

WebSphere MQ for z/OS



Messages and Codes

Version 5 Release 3.1

Note!

Before using this information and the product it supports, be sure to read the general information under Appendix G, "Notices", on page 583.

Third Edition (March 2003)

- | This edition applies to WebSphere MQ for z/OS Version 5 Release 3.1 and to all subsequent releases and
- | modifications until otherwise indicated in new editions. Changes from the previous edition are marked by vertical
- | lines to the left of the changes.

This book is based on the *Messages and Codes* book for MQSeries for OS/390 Version 5 Release 2, GC34-5375.

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About this book

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

Who this book is for

This book is for system operators, system programmers, and anybody else who needs to understand and respond to WebSphere MQ 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 WebSphere MQ produces, the different places to which it sends these messages, and the different audiences they are intended to reach.

Terms used in this book

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

In this book, z/OS means any release of z/OS or OS/390® that supports the current version of WebSphere MQ

How to use this book

When you are using WebSphere MQ 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 WebSphere MQ messages in alphanumeric order.

All WebSphere MQ 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 581 to find out which product issued the message.

The fourth character is the component identifier; this identifies the component of WebSphere MQ that issued the message. These are shown in Appendix B, “WebSphere MQ component identifiers”, on page 555. 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 WebSphere MQ for z/OS.

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.
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About this book

Table 1. Message type codes (continued)

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 messages issued by the queue manager itself and the mover, the message identifier is normally followed by the *command prefix* (CPF); this indicates which WebSphere MQ queue manager issued the message. These messages have prefixes starting CSQE, CSQH, CSQI, CSQM, CSQN, CSQP, CSQR, CSQV, CSQX, CSQY, CSQ2, CSQ3, CSQ5, and CSQ9; some messages with prefixes CSQJ and CSQW also have the CPF. In certain exceptional cases, the CPF might show as blank.

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

Messages from other components, that is messages with prefixes CSQO, CSQQ, CSQU, and CSQ1 (and some with prefixes CSQJ and CSQW) have no indicator.

Part 2, “Codes”

Describes all WebSphere MQ 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 WebSphere MQ component. These are shown in Appendix B, “WebSphere MQ component identifiers”, on page 555. The last two bytes are the numeric identifier, which is unique within the component.

Part 3, “WebSphere MQ CICS abend codes”

Describes the CICS abend codes issued by the WebSphere MQ CICS adapter, the CICS distributed queuing component, and the WebSphere MQ 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.

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, "WebSphere MQ component identifiers"
- Appendix C, "Communications protocol return codes"
- Appendix E, "Distributed queuing message codes"
- Appendix F, "Messages from other products"

WebSphere MQ system completion codes

WebSphere MQ uses two system completion codes:

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

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

X'6C6' This code indicates that WebSphere MQ has detected a severe error, and has terminated the entire WebSphere MQ queue manager abnormally. During such termination, a user task with an active WebSphere MQ connection can be ended abnormally with an X'6C6' system completion code; in rare instances, the entire connected address space might end abnormally.

When this abend code is issued, WebSphere MQ has determined continued operation could result in the loss of data integrity. Errors associated with an X'6C6' abend completion code might be preceded by a z/OS system error, or by one or more WebSphere MQ X'5C6' abend completion codes.

About this book

For information about the system actions, and diagnostic information available to WebSphere MQ following one of these completion codes, refer to the description of the reason code associated with the system completion code in Part 2, “Codes”, starting on page 277. This reason code is shown in the various messages that appear on the z/OS console in connection with the abnormal termination; for example an X'6C6' completion code is usually accompanied by message CSQV086E. In many cases, you will be advised to contact your IBM Support Center to report the problem; see the *WebSphere MQ for z/OS Problem Determination Guide* for information about how to do this.

Note: If the queue manager has terminated, you can restart it, even if there is a problem to be reported to the IBM Support Center. Similarly, if a component of the queue manager (such as the channel initiator) has terminated, you can restart that component.

Message routing codes

The majority of WebSphere MQ messages sent to the console have routing codes determined by the **ROUTCDE** parameter of the CSQ6SYSP macro. (See the *WebSphere MQ for z/OS System Setup Guide* for information about using this macro.) However, some WebSphere MQ 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 WebSphere MQ 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).

Summary of changes

This section describes changes in this edition of *WebSphere MQ for z/OS Messages and Codes*. Changes since the previous edition of the book are marked by vertical lines to the left of the changes.

Changes for this edition (GC34-6056-01)

- New messages have been included for functions added for WebSphere MQ for z/OS V5.3.1

Changes for the previous edition (GC34-6056-00)

- New messages have been included for functions added for WebSphere MQ for z/OS V5.3
- Existing messages have been updated to include new functions, and information added for existing functions.

Changes

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Chapter 1. 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 CICS START command, but the retrieve was unsuccessful.

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.

Severity: 8

System Action: CKTI ends.

Operator Response: Refer to Appendix A, “API completion and reason codes”, on page 481 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).

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.

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.

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.

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.

Severity: 8

System Action: CKTI ends.

System Programmer Response: Refer to Appendix A, “API completion and reason codes”, on page 481 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 MQ CICS adapter. This is a normal completion of CKTI.

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.

Severity: 8

System Action: CKTI ends.

Operator Response: Start CKTI from either CKCN or CKSQ.

CSQC109D *cics-applid csect-name* **MQCLOSE failed. MQCC=mqcc 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.

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 *mqcc* 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.

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.

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=mqcc 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.

Severity: 8

System Action: CKTI ends.

System Programmer Response: Refer to Appendix A, “API completion and reason codes”, on page 481 for information about *mqcc* 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 API 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.

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=mqcc 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.

Severity: 8

System Action: CKTI ends.

Programmer Response: Refer to Appendix A, “API completion and reason codes”, on page 481 for

information about *mqcc* and *mqr*c to determine why an MQINQ call could not be made on the queue.

CSQC116A *cics-applid csect-name* **Cannot open the queue manager. MQCC=mqcc MQRC=mqrc**

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

Severity: 8

System Action: CKTI ends.

System Programmer Response: Refer to Appendix A, “API completion and reason codes”, on page 481 for information about *mqcc* and *mqr*c to determine the cause of the problem.

CSQC117A *cics-applid csect-name* **Cannot query the queue manager. MQCC=mqcc MQRC=mqrc**

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

Severity: 8

System Action: CKTI ends.

System Programmer Response: Refer to Appendix A, “API completion and reason codes”, on page 481 for information about *mqcc* and *mqr*c 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.

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.

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.

Severity: 8

System Action: CKTI ends.

Programmer Response: Refer to Appendix A, “API completion and reason codes”, on page 481 for information about *mqcc* and *mqr*c to determine why an MQPUT call could not be made for the queue.

CSQC121A *cics-applid csect-name* **No dead-letter queue defined for queue manager**

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

Severity: 8

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

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

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

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

Severity: 8

System Action: CKTI ends.

System Programmer Response: Refer to Appendix A, “API completion and reason codes”, on page 481 for information about *mqcc* and *mqr*c 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.

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.

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.

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 MQ 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 MQ, 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).

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 MQ CICS adapter control panels (the CKQC transaction) to retry the connection process. See the *WebSphere MQ for z/OS System Setup 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 MQ, but it was unsuccessful because the CSQCPARM keyword in the INITPARM statement did not contain

the name of the required queue manager.

Severity: 8

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

System Programmer Response: Use the MQ CICS adapter control panels (the CKQC transaction) to specify the queue manager name, and retry the connection process. See the *WebSphere MQ for z/OS System Setup 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 MQ, but CKTI cannot be started as no initiation queue name has been specified.

Severity: 0

System Action: The queue manager is connected, but CKTI is not started.

Operator Response: Use the MQ 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 MQ.

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

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

Severity: 8

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

System Programmer Response: Use the MQ 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 *WebSphere MQ for z/OS System Setup 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 MQ, but it was unsuccessful because the initiation queue name given was more than 48 characters long.

Severity: 8

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

System Programmer Response: Use the MQ 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 MQ but no trace number was specified in the **CSQCPARM** keyword of the **INITPARM** statement. The default of 0 will be used.

Severity: 0

System Action: The queue manager is connected with a trace number of 0.

System Programmer Response: Use the MQ 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 MQ.

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 MQ but the trace number specified in the **CSQCPARM** keyword of the **INITPARM** statement was not valid. The default of 0 will be used.

Severity: 4

System Action: The queue manager 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 MQ.

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.

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 MQ 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.

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 MQ 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.

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.

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).

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 was requested; this function can only be used from the MQ CICS adapter control panels (the CKQC transaction).

Severity: 8

System Action: The request is ignored.

Operator Response: Use the MQ CICS adapter control panels to access the display functions.

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

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

Severity: 8

System Action: The panel request is ignored.

Operator Response: Use a 3270 device to display the MQ CICS adapter control panels.

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.

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.

Severity: 8

System Action: The request is ignored.

Operator Response: Reissue the request 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.

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.

Severity: 8

System Action: The request is ignored.

Operator Response: Use the MQ CICS adapter control panels (the CKQC transaction) to request the function, or check the request syntax in the *WebSphere MQ for z/OS System Administration 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.

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 request 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 MQ, but CICS is shutting down so the connection request has been rejected.

Severity: 8

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

CSQC300D *cics-applid csect-name* **Already connected to queue manager *qmgr-name*. 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.

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.

Severity: 0

CSQC302D *cics-applid csect-name* **Unable to EXTRACT EXIT CSQCTURE. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrcode***

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

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.

Severity: 0

CSQC304D *cics-applid csect-name* **Failed to ENABLE CSQCTURE. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrcode***

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

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.

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 MQ CICS adapter was unable to start CKTI.

Severity: 8

System Action: The queue manager 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 *qmgr-name***

Explanation: The connection to queue manager *qmgr-name* was successful.

Severity: 0

CSQC308D *cics-applid csect-name* **Queue manager *qmgr-name* is stopped. Connect request deferred**

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

Severity: 0

System Action: The connection will be made when *qmgr-name* becomes active.

Operator Response: Check that you entered the correct queue manager name (*qmgr-name*). 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 *qmgr-name*. MQCC=*mqqc* MQRC=*mqrc***

Explanation: An attempt to connect to queue manager *qmgr-name* was unsuccessful.

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 481 for information about *mqqc* and *mqrc*, and take the appropriate action.

CSQC310D *cics-applid csect-name* **Duplicate connect to queue manager *qmgr-name*. Connect rejected**

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

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 MQ CICS adapter was unable to start the alert monitor CKAM.

Severity: 8

System Action: The queue manager is connected, but CKAM is not started so the function of the MQ CICS adapter is restricted.

Operator Response: Without the alert monitor, the

MQ CICS adapter is unable to perform the following functions:

- It cannot handle a deferred connection
- It cannot respond to a queue manager 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 MQ CICS adapter was unable to obtain storage for the CLOC control block.

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=*conn-name.uow-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.

Severity: 0

System Programmer Response: See the *WebSphere MQ for z/OS System Administration Guide* for information about resolving the MQ 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.

Severity: 0

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

Explanation: The MQ 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.

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.

Severity: 0

Operator Response: Check the console for further messages.

CSQC318I *cics-applid csect-name* **UOWID=conn-name.uow-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.

Severity: 0

System Programmer Response: See the *WebSphere MQ for z/OS System Administration Guide* for information about resolving the MQ 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.

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.

CSQC320E *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 MQ CICS adapter that you are using.

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)

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 MQ CICS adapter was made, but it was rejected because the syntax of the shutdown request was not valid.

Severity: 8

System Action: The request is ignored.

Operator Response: Issue the request again. See the *WebSphere MQ for z/OS System Administration Guide* for details of the correct syntax.

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

Explanation: The request 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.

Severity: 0

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

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

Severity: 8

System Action: The request is ignored.

CSQC330E *cics-applid csect-name* **CICS Transaction Server Version *version* Release *release* is not supported**

Explanation: The version of CICS Transaction Server that you are running is not supported by the version of the MQ CICS adapter that you are using .

Severity: 8

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

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

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

Severity: 4

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

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

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

Severity: 0

System Action: The adapter shutdown process continues.

Operator Response: If the queue manager is already shut down, you can ignore this message. Refer to Appendix A, "API completion and reason codes", on page 481 for information about *mqcc* and *mqrc*, and take the appropriate action.

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

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

Severity: 8

System Action: The adapter shutdown process continues.

Operator Response: If the queue manager is already shut down, you can ignore this message. Refer to Appendix A, "API completion and reason codes", on page 481 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.

Severity: 0

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

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

Severity: 0

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

Explanation: The request to shut down the MQ 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.

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.

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).

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.

Severity: 8

System Action: The request is ignored.

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

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

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 MQ CICS adapter control panels (the CKQC transaction) to restart the MQ 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.

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.

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.

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 MQ 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 MQ CICS adapter is ready to shut down but cannot link to CSQCDSC.

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 MQ CICS adapter control panels (the CKQC transaction) to disconnect from MQ.

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.

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.)

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 MQ and CICS.

Severity: 8

System Action: The request is ignored.

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

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.

Severity: 8

System Action: The request 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 *WebSphere MQ for z/OS System Administration 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.

Severity: 8

System Action: The request 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.

Severity: 8

System Action: The request is ignored.

Operator Response: If required, use the MQ 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.

Severity: 8

System Action: The request is ignored.

Operator Response: Wait until the initiation queue has stopped, and then reissue the start request 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

Severity: 8

System Action: The request is ignored.

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

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

Explanation: The MQ CICS adapter has processed the *command* request. However, the CICS task might not have completed its processing 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.

Severity: 0

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

Explanation: The syntax of the CICS adapter request entered was incorrect.

Severity: 8

System Action: The request is rejected.

System Programmer Response: See the *WebSphere MQ for z/OS System Administration Guide* for details of the correct syntax, or use the MQ CICS adapter control panels (the CKQC transaction) to request the function.

CSQC390I *cics-applid csect-name* **CICS Transaction Server is Version** *version* **Release** *release*

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

Severity: 0

CSQC400I *cics-applid csect-name* **UOWID=conn-**
name.uow-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 MQ commands (for example, RESOLVE INDOUBT).

Severity: 0

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

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

Severity: 0

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

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

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, MQ was unable to do this.

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 481 for information about *mqcc* and *mqrc*)
- Disconnect MQ.
- Use the MQ CICS adapter control panels (the CKQC transaction) to reconnect MQ.

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, MQ was unable to do this.

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 *WebSphere MQ for z/OS System Administration Guide* for information about resolving the MQ unit of recovery associated with the in-doubt CICS unit of work.

CSQC406E *cics-applid csect-name* **Cannot resolve, syncpoint disposition lost**

Explanation: The syncpoint coordinator has been subjected to a cold start, and information regarding units of work has been lost (syncpoint state UERTDGCS). The coordinator cannot inform the MQ 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*.

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 *WebSphere MQ for z/OS System Administration Guide* for information about resolving the MQ unit of recovery associated with the in-doubt CICS unit of work.

CSQC407E *cics-applid csect-name* **Cannot resolve, syncpoint disposition unknown**

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

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

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 *WebSphere MQ for z/OS System Administration Guide* for information about resolving the MQ 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.

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.

Severity: 0

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

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

Severity: 0

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

Operator Response: See the *WebSphere MQ for z/OS System Administration Guide* for more information about MQ CICS adapter shutdown.

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

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

Severity: 0

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

Operator Response: See the *WebSphere MQ for z/OS System Administration Guide* for more information about MQ CICS adapter shutdown.

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

Explanation: The MQ CICS adapter detected a CICS abend.

Severity: 0

System Action: The MQ 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.

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*.

Severity: 0

System Action: The outstanding task has been completed and, because it is not in a must-commit state, the MQ 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.

Severity: 0

System Action: The outstanding task has been completed but, because it is in a must-commit state (for example, syncpoint), the MQ 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 z/OS

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

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.

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.

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 MQ API 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.)

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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 *WebSphere MQ for z/OS System Setup 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.

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.

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.

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.

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.

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.

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.

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.

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 MQ CICS adapter control panels, but the syntax was incorrect.

Severity: 8

System Action: The request is ignored.

System Programmer Response: See the *WebSphere MQ for z/OS System Administration Guide* for details of the correct syntax.

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

Explanation: This message is issued as the reply to the CKQC DISPLAY request, and gives the status of the connection to queue manager *qmgr-name* and the number of tasks that are in-flight on that connection.

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.

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 MQ services.

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.

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 MQ CICS adapter control panels. This is not supported.

Severity: 8

System Action: The request is rejected.

System Programmer Response: Use the MQ 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.

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.

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.

Severity: 8

System Action: The request 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 MQ CICS adapter is being shut down, and the server task with TCB address *address* has been terminated.

Severity: 0

CSQC471A *cics-applid csect-name* **Server subtask (TCB
address=address) unable to establish
ESTAE, RC=rc**

Explanation: The server subtask was trying to establish a z/OS ESTAE but failed with return code *rc*. This error occurred while the server subtask was undergoing its initialization phase, so no CICS tasks will have been affected.

Severity: 8

System Action: The server subtask terminates. The MQ 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 MQ CICS adapter is starting, and the server task with the TCB address *address* has made a connection to MQ.

Severity: 0

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

Explanation: This message is used as the title for an MQ 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.

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 MQ CICS adapter dump if an unexpected error occurs. *frb-address* is the address of the function request block.

Severity: 0

CSQC700I *transid taskid IBM WebSphere MQ for z/OS version – CICS bridge. copyright notice*

Explanation: Copyright statement.

System Programmer Response: None.

CSQC701E *transid taskid StrucId 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-z/OS platforms. Results are unpredictable*

Explanation: The bridge is being run on a platform other than z/OS. 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 mq-call failed, MQCC=mqcc MQRC=mqrc*

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

System Programmer Response: Refer to Appendix A, "API completion and reason codes", on page 481 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 the queue manager 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.

CSQC714I *transid taskid* **Bridge task starting**

Explanation: Monitor is starting.

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 481 for information about *mqrc*.

CSQC731I *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 481 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 481 for information about *mqrc*.

CSQC733I *transid taskid* **Dead-letter queue not defined with 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 is 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 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, the queue manager, 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 queue manager 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 481 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**

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 not defined as local**

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 481 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* **MsgId=MsgId**

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* **CorrelId=CorrelId**

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* **Queue manager 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. CICS Bridge message

CSQC765E *transid taskid* **Transaction transid not started within monitor wait interval**

Explanation: The bridge task did not notify the bridge monitor that it had started execution within the wait interval specified at monitor startup.

System Programmer Response: Either:

- Increase the WAIT parameter on monitor startup
- Correct the problem in CICS that prevented the transaction from starting. One possible cause might be that the MAXACTIVE value for the transaction class associated with the transaction is too low, so causing a queue to build up.

Chapter 2. Coupling Facility manager messages (CSQE...)

The value shown for *struc-name* in the coupling facility manager messages that follow is the 12-character name as used by WebSphere MQ. The external name of such structures for use by z/OS is formed by prefixing the MQ name with the name of the queue-sharing group to which the queue manager is connected.

CSQE005I **Structure** *struc-name* **connected as**
conn-name, version=version

Explanation: The queue manager has successfully connected to structure *struc-name*.

System Action: Processing continues. The queue manager can now access the structure.

CSQE006I **Structure** *struc-name* **connection name**
conn-name **disconnected**

Explanation: The queue manager has disconnected from structure *struc-name*.

System Action: Processing continues.

CSQE007I *event-type* **event received for structure**
struc-name **connection name** *conn-name*

Explanation: The queue manager has received XES event *event-type* for structure *struc-name*.

System Action: Processing continues.

System Programmer Response: Examine the event code to determine what event was issued. The event codes are described in the *z/OS MVS Programming: Sysplex Services Reference* manual.

CSQE008I **Recovery event from** *qmgr-name* **received**
for structure *struc-name*

Explanation: The queue manager issued a peer level recovery event for structure *struc-name*.

System Action: Processing continues. The queue manager will begin peer level recovery processing.

CSQE011I **Recovery phase 1 started for structure**
struc-name **connection name** *conn-name*

Explanation: Peer level recovery has started phase one of its processing, following the failure of another queue manager in the queue-sharing group.

System Action: Processing continues.

System Programmer Response: Determine why a queue manager within the queue-sharing group failed.

CSQE012I **Recovery phase 2 started for structure**
struc-name **connection name** *conn-name*

Explanation: Peer level recovery has started phase two of its processing.

System Action: Processing continues.

CSQE013I **Recovery phase 1 completed for**
structure *struc-name* **connection name**
conn-name

Explanation: Peer level recovery has completed phase one of its processing.

System Action: Processing continues.

CSQE014I **Recovery phase 2 completed for**
structure *struc-name* **connection name**
conn-name

Explanation: Peer level recovery has completed phase two of its processing.

System Action: Processing continues.

CSQE015I **Recovery phase 2 not attempted for**
structure *struc-name* **connection name**
conn-name

Explanation: Phase two of peer level recovery processing was not attempted because of a previous error in phase one on one of the participating queue managers.

System Action: Processing continues. The connection will be recovered by the failed queue manager when it restarts.

System Programmer Response: Investigate the cause of the error, as reported in the preceding messages.

CSQE016E **Structure** *struc-name* **connection name**
conn-name **disconnected, RC=return-code**
reason=reason

Explanation: The queue manager has disconnected from structure *struc-name*.

System Action: Processing continues.

System Programmer Response: Examine the return and reason codes to determine why the structure was

disconnected. The codes are described in the *z/OS MVS Programming: Sysplex Services Reference* manual.

CSQE018I Admin structure data building started

Explanation: The queue manager is building its own data for the administration structure.

System Action: Processing continues.

CSQE019I Admin structure data building completed

Explanation: The queue manager has built its own data for the administration structure.

System Action: Processing continues.

**CSQE020E Structure *struc-name* connection as *conn-name* failed, RC=return-code
reason=reason codes=s1 s2 s3**

Explanation: The queue manager failed to connect to structure *struc-name*.

System Action: This depends on the component that caused the connection request (queue manager or channel initiator) and the reason for connecting to the structure. The component may terminate, or may continue processing but with functions that require the structure inhibited.

System Programmer Response: Examine the return and reason codes to determine why the connect failed. Codes *s1 s2 s3* are the XES IXLCONN diagnosis codes, which are described in the *z/OS MVS Programming: Sysplex Services Reference* manual.

**CSQE021I Structure *struc-name* connection as *conn-name* warning, RC=return-code
reason=reason codes=s1 s2 s3**

Explanation: The queue manager has successfully connected to structure *struc-name*, but the XES IXLCONN call returned with a warning rc.

System Action: Processing continues.

System Programmer Response: Examine the return and reason codes to determine why the connect warning message was issued. Codes *s1 s2 s3* are the XES IXLCONN diagnosis codes, which are described in the *z/OS MVS Programming: Sysplex Services Reference* manual.

CSQE022E Structure *struc-name* unusable, size is too small

Explanation: The queue manager cannot use the named structure because its size is less than the minimum that MQ requires.

System Action: The queue manager disconnects from the structure, which becomes unusable. If it is an

application structure, the queues that use the structure are not usable. If it is the administration structure, the queue manager terminates with completion code X'6C6' and reason code X'00C53000'.

System Programmer Response: Increase the size of the structure to at least the minimum size required. See the *WebSphere MQ for z/OS System Setup Guide* for guidance on required structure sizes.

If the structure is allocated and the Coupling Facility Resource Manager policy allows the size of it to be increased, use the z/OS command SETXCF START,ALTER,STRNAME=*ext-struc-name*,SIZE=*newsize*. If the policy does not so allow, or there is insufficient space in the Coupling Facility that hosts the structure, the policy must be altered; then the structure can be rebuilt using the z/OS command SETXCF START,REBUILD,STRNAME=*ext-struc-name*. (In these commands, *ext-struc-name* is formed by prefixing *struc-name* with the queue-sharing group name.)

If the structure is not allocated, alter the policy to specify a larger INITSIZE for the structure.

CSQE024E Incorrect coupling facility level *level1*, required *level2*

Explanation: The queue manager cannot join the queue-sharing group because the version of z/OS or OS/390 being used supports only CF level *level1*, but MQ requires at least level *level2*.

System Action: CF support is not active.

System Programmer Response: Upgrade z/OS or OS/390 and the coupling facility as necessary.

CSQE025E Invalid UOW for *qmgr-name* in list *list-id* cannot be recovered, key=*uow-key*

Explanation: A unit-of-work descriptor was read during recovery processing that contained unexpected data. The descriptor was for the indicated queue manager; it was in the coupling facility list *list-id* and had key *uow-key* (shown in hexadecimal).

System Action: The unit-of-work in error cannot be processed and the descriptor is marked as being in error. Processing continues.

System Programmer Response: Take a dump of the indicated list in your coupling facility administration structure for queue manager *qmgr-name* and contact your IBM support center.

CSQE026E Structure *struc-name* unusable, incorrect coupling facility level *level1*, required *level2*

Explanation: The queue manager cannot use the named structure because it has been allocated in a CF which supports level *level1*, but MQ requires at least level *level2*.

System Action: The queues that use the structure are not usable.

System Programmer Response: Either upgrade the coupling facility, or use a structure which is in a CF running level *level2* or above.

CSQE027E **Structure** *struc-name* **unusable, vector size *n1* incorrect, required *n2***

Explanation: The queue manager cannot use the named structure because it has been allocated a list notification vector of size *n1*, but MQ requires at least size *n2*. This is probably because there is not enough available hardware storage area (HSA) for the vector.

System Action: The queues that use the structure are not usable.

System Programmer Response: You cannot adjust the amount of HSA defined for your processor. Instead, retry the application (or other process) which was attempting to open the shared queue. If the problem persists, contact your IBM support center for assistance.

CSQE028I **Structure** *struc-name* **reset, all messages discarded**

Explanation: When it tried to connect to the named structure, the queue manager detected that the structure had been deleted, so a new empty structure has been created.

System Action: All the messages on the queues that use the structure are deleted.

CSQE029E **Structure** *struc-name* **unusable, version *v1* differs from group version *v2***

Explanation: The queue manager cannot use the named structure because the version number of the structure differs from that of the queue-sharing group.

System Action: The queue manager disconnects from the structure, which becomes unusable. If it is an application structure, the queues that use the structure are not usable. If it is the administration structure, the queue manager terminates with completion code X'6C6' and reason code X'00C51057'.

System Programmer Response: Check that the configuration of your queue manager, queue-sharing group, and data-sharing group is correct. If so, deallocate the structure using the z/OS commands SETXCF FORCE,CON and SETXCF FORCE,STRUCTURE. (In these commands, the structure name is formed by prefixing *struc-name* with the queue-sharing group name.)

CSQE030I **Serialized application cannot start, admin structure data incomplete**

Explanation: A serialized application attempted to start, but it could not do so because one or more queue managers in the queue-sharing group has not completed building its data for the administration structure. Messages CSQE031I and CSQE032I precede this message to identify such queue managers. :module.CSQEQSR1

System Action: The application is not started. The MQCONN call that it issued to connect to the queue manager fails with a completion code of MQCC_FAILED and a reason code of MQRC_CONN_TAG_NOT_USABLE. (See Appendix A, "API completion and reason codes" for more information about these codes.)

System Programmer Response: Restart any queue managers identified by message CSQE032I. When all the queue managers identified in messages CSQE031I or CSQE032I have built their data for the administration structure (as shown by message CSQE019I), restart the application.

CSQE031I **Admin structure data from *qmgr-name* incomplete**

Explanation: Some functions are not yet available because the indicated queue manager has not completed building its data for the administration structure.

System Action: Processing continues. The functions will be available when all the queue managers identified by messages CSQE031I and CSQE032I have issued message CSQE019I.

CSQE032I **Admin structure data from *qmgr-name* unavailable**

Explanation: Some functions are not yet available because the indicated queue manager is not active and therefore its data for the administration structure is not available. :module.CSQEQSR1

System Action: Processing continues.

System Programmer Response: Start the indicated queue manager. The functions will be available when all the queue managers identified by messages CSQE031I or CSQE032I have issued message CSQE019I.

CSQE033E **Recovery phase 1 failed for structure *struc-name* connection name *conn-name*, RC=*return-code* reason=*reason***

Explanation: An error occurred during phase one of peer level recovery processing. The recovery attempt is terminated. *return-code* and *reason* are the diagnosis codes (in hexadecimal) from an XES IXL call.

System Action: Processing continues. The connection

will be recovered by the failed queue manager when it restarts.

System Programmer Response: See the *z/OS MVS Programming: Sysplex Services Reference* manual for information about the XES IXL diagnosis codes. Restart the queue manager that failed; if it is unable to recover, contact your IBM support center.

CSQE034E **Recovery phase 2 failed for structure**
struc-name **connection name** *conn-name*,
RC=return-code reason=reason

Explanation: An error occurred during phase two of peer level recovery processing. The recovery attempt is terminated. *return-code* and *reason* are the diagnosis codes (in hexadecimal) from an XES IXL call.

System Action: Processing continues. The connection will be recovered by the failed queue manager when it restarts.

System Programmer Response: See the *z/OS MVS Programming: Sysplex Services Reference* manual for information about the XES IXL diagnosis codes. Restart the queue manager that failed; if it is unable to recover, contact your IBM support center.

CSQE035E *csect-name* **Structure** *struc-name* **in failed state, recovery needed**

Explanation: The queue manager attempted to use structure *struc-name*, but it is in a failed state. The failure occurred previously; it was not caused by the current use of the structure. :module.CSQECONN

System Action: Processing continues, but queues that use this structure will not be accessible.

System Programmer Response: Check the console for messages from XES relating to the earlier failure, and investigate the cause. See the *z/OS MVS Programming: Sysplex Services Reference* manual for information about diagnosing problems in XES.

When the problem is resolved, issue a RECOVER CFSTRUCT command specifying TYPE(NORMAL) for this and any other failed structure.

CSQE101I *csect-name* **Unable to backup or recover structure** *struc-name*, **structure in use**

Explanation: A BACKUP or RECOVER CFSTRUCT command was issued for a structure that is in use by another process. The most likely cause is that another BACKUP or RECOVER CFSTRUCT command is already in progress.

System Action: Processing of the command is terminated.

System Programmer Response: Check that the correct CF structure name was entered on the command. If so,

wait until the current process ends before reissuing the command if required.

CSQE102E *csect-name* **Unable to recover structure**
struc-name, **not in failed state**

Explanation: A RECOVER CFSTRUCT command was issued for a structure that is not in a failed state. Only a CF structure that has previously failed can be recovered.

System Action: Processing of the command is terminated.

System Programmer Response: Check that the correct CF structure name was entered on the command.

CSQE103E *csect-name* **Unable to recover structures, admin structure data incomplete**

Explanation: A RECOVER CFSTRUCT command was issued, but recovery could not be performed because one or more queue managers in the queue-sharing group has not completed building its data for the administration structure.

System Action: Messages CSQE031I and CSQE032I are sent to the z/OS console to identify such queue managers. Processing of the command is terminated.

System Programmer Response: Restart any queue managers identified by message CSQE032I. When all the queue managers identified in messages CSQE031I or CSQE032I have built their administration structure data (as shown by message CSQE019I), reissue the command.

CSQE104I **RECOVER task initiated for structure**
struc-name

Explanation: The queue manager has successfully started a task to process the RECOVER CFSTRUCT command for the named structure.

System Action: Processing continues.

CSQE105I **BACKUP task initiated for structure**
struc-name

Explanation: The queue manager has successfully started a task to process the BACKUP CFSTRUCT command for the named structure.

System Action: Processing continues.

CSQE106E **Unable to backup structure** *struc-name*,
reason=reason

Explanation: A BACKUP CFSTRUCT command was issued for a structure, but the backup could not be performed.

System Action: Processing of the command is terminated.

System Programmer Response: Examine the reason code to determine why the structure could not be backed-up. The codes are described in the *z/OS MVS Programming: Sysplex Services Reference* manual.

CSQE107E *csect-name* **Unable to backup or recover structure *struc-name*, structure has never been used**

Explanation: A BACKUP or RECOVER CFSTRUCT command was issued for a structure that has never been used, and so does not contain any messages or data.

System Action: Processing of the command is terminated.

System Programmer Response: Check that the correct CF structure name was entered on the command.

CSQE108E *csect-name* **Unable to backup or recover structure *struc-name*, structure does not support recovery**

Explanation: A BACKUP or RECOVER CFSTRUCT command was issued for a structure whose functional capability is incompatible with this command; for example, the CF structure level is not high enough to support recovery, or the RECOVER attribute is set to NO.

System Action: Processing of the command is terminated.

System Programmer Response: Ensure that the CF structure is at a level of functional capability that allows the use of the BACKUP or RECOVER CFSTRUCT command and that its RECOVER attribute is set to YES. Check that the correct CF structure name was entered on the command.

CSQE109E *csect-name* **Unable to recover structure *struc-name*, no backup information available**

Explanation: A RECOVER CFSTRUCT command was issued for a structure, but no backup information could be found.

System Action: Processing of the command is terminated.

System Programmer Response: Check that the correct CF structure name was entered on the command. If so, issue a BACKUP CFSTRUCT command to ensure that backup information is available.

CSQE120I **Backup of structure *struc-name* started at RBA=*rba***

Explanation: The named CF structure is being backed-up in response to a BACKUP CFSTRUCT command. The backup begins at the indicated RBA.

System Action: Processing continues.

CSQE121I *csect-name* **Backup of structure *struc-name* completed at RBA=*rba*, size *n* MB**

Explanation: The named CF structure has been backed-up successfully. The backup ends at the indicated RBA, and *n* is its approximate size in megabytes.

System Action: Processing continues.

CSQE130I **Recovery of structure *struc-name* started, using *qmgr-name* log range from RBA=*from-rba* to RBA=*to-rba***

Explanation: The named CF structure is being recovered from the log of queue manager *qmgr-name*. The log range to be used is shown.

System Action: Processing continues.

CSQE131I *csect-name* **Recovery of structure *struc-name* completed**

Explanation: The named CF structure has been recovered successfully. The structure is available for use again.

System Action: Processing continues.

CSQE132I **Structure recovery started, using *qmgr-name* log range from LRSN=*from-lrsn* to LRSN=*to-lrsn***

Explanation: CF structure recovery is starting in response to a RECOVER CFSTRUCT command. It must read the log range shown in order to determine how to perform recovery. The logs are read backwards, from the latest failure time of the structures to be recovered to the earliest last successful backup time of those structures.

System Action: Processing continues.

CSQE133I **Structure recovery reading log backwards, LRSN=*lrsn***

Explanation: This is issued periodically during log reading by CF structure recovery to show progress. The log range that needs to be read is shown in the preceding CSQE132I message.

System Action: Processing continues.

System Programmer Response: If this message is issued repeatedly with the same LRSN value, investigate the cause; for example, MQ might be waiting for a tape with an archive log data set to be mounted.

CSQE134I Structure recovery reading log completed

Explanation: CF structure recovery has completed reading the logs. The individual structures can now be recovered.

System Action: Each structure is recovered independently, as shown by messages CSQE130I and CSQE131I.

CSQE135I Recovery of structure *struc-name* reading log, RBA=*rba*

Explanation: This is issued periodically during log reading for recovering the named CF structure to show progress. The log range that needs to be read is shown in the preceding CSQE130I message.

System Action: Processing continues.

System Programmer Response: If this message is issued repeatedly with the same RBA value, investigate the cause; for example, MQ might be waiting for a tape with an archive log data set to be mounted.

Chapter 3. Security manager messages (CSQH...)

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.

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 to your external security manager (ESM) 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 abnormal termination with one of the following reason codes:

- X'00C8000D'
- X'00C80032'
- X'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 CSQH001I, 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 z/OS router table is incorrect

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* **In-storage profiles successfully listed**

Explanation: This message is issued in response to a REFRESH SECURITY command that caused the in-storage 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 in-storage tables to be rebuilt.

Severity: 0

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

CSQH006I **Error returned from CSQTTIME, security timer not started**

Explanation: An error was returned from the MQ timer component, so the security timer was not started.

Severity: 8

System Action: The queue manager terminates abnormally, with a reason code of X'00C80042'.

System Programmer Response: Refer to Chapter 28, "Security manager codes (X'C8')", on page 289 for an explanation of the reason code.

CSQH007I **Reverify flag not set for userid** *user-id*, **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).

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 was issued, but the subsystem security switch is off, so there are no internal control tables to flag for reverification.

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 if a nonzero return code is received from the timer (CSQTTIME) during an attempt to restart the security timer

Severity: 8

System Action: Processing continues.

System Programmer Response: Contact your IBM support center to report the problem.

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

Severity: 8

System Action: If this message follows message CSQH009I, the queue manager ends abnormally with one of the following reason codes:

csect-name

Reason code

CSQH010I

X'00C80040'

CSQH010I

X'00C80041'

System Programmer Response: Refer to Chapter 28, "Security manager codes (X'C8)", on page 289 for information about the reason code.

CSQH011I *csect-name* **Security interval is now set to zero**

Explanation: The ALTER SECURITY command was entered with the INTERVAL attribute set to 0. This means that no user timeouts will occur.

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).

Severity: 8

System Action: Processing continues.

System Programmer Response: Contact your IBM support center to report the problem.

CSQH013I **Out of range value *value* for TIMEOUT keyword**

Explanation: The ALTER SECURITY command was issued, but a parameter associated with the TIMEOUT keyword was not valid.

Severity: 0

System Action: Message CSQ9023E is issued, and the command is ignored.

System Programmer Response: See the *WebSphere MQ Script (MQSC) Command Reference* manual for more information about the ALTER SECURITY command.

CSQH014I **Out of range value *value* for INTERVAL keyword**

Explanation: The ALTER SECURITY command was issued, but a parameter associated with the INTERVAL keyword was not valid.

Severity: 0

System Action: Message CSQ9023E is issued, and the command is ignored.

System Programmer Response: See the *WebSphere MQ Script (MQSC) 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.

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.

Severity: 0

CSQH017I Security refresh 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.

Severity: 8

System Action: Processing continues.

System Programmer Response: Contact your IBM support center to report the problem.

CSQH018I *csect-name* Security refresh for *resource-type* not processed, security switch set OFF

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.

Severity: 0

System Programmer Response: Ensure that the REFRESH SECURITY request was issued for the correct resource type.

CSQH021I *csect-name switch-type* security switch set OFF, profile '*profile-type*' found

Explanation: This message is issued during queue manager initialization and in response to a REFRESH SECURITY command for each security switch that is set OFF because the named security profile has been found.

Severity: 0

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

System Programmer Response: Messages CSQH021I through CSQH026I are issued so that you can check the security configuration of your queue manager. See the *WebSphere MQ for z/OS System Setup Guide* for information about setting security switches.

CSQH022I *csect-name switch-type* security switch set ON, profile '*profile-type*' found

Explanation: This message is issued during queue manager initialization and in response to a REFRESH SECURITY command for each security switch that is set ON because the named security profile has been found.

Severity: 0

System Programmer Response: Messages CSQH021I

through CSQH026I are issued so that you can check the security configuration of your queue manager. See the *WebSphere MQ for z/OS System Setup Guide* for information about setting security switches.

CSQH023I *csect-name switch-type* security switch set OFF, profile '*profile-type*' not found

Explanation: This message is issued during queue manager initialization and in response to a REFRESH SECURITY command for each security switch that is set OFF because the named security profile has not been found.

Severity: 0

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

System Programmer Response: Messages CSQH021I through CSQH026I are issued so that you can check the security configuration of your queue manager. See the *WebSphere MQ for z/OS System Setup Guide* for information about setting security switches.

CSQH024I *csect-name switch-type* security switch set ON, profile '*profile-type*' not found

Explanation: This message is issued during queue manager initialization and in response to a REFRESH SECURITY command for each security switch that is set ON because the named security profile has not been found.

Severity: 0

System Programmer Response: Messages CSQH021I through CSQH026I are issued so that you can check the security configuration of your queue manager. See the *WebSphere MQ for z/OS System Setup Guide* for information about setting security switches.

CSQH025I *csect-name switch-type* security switch set OFF, internal error

Explanation: This message is issued during queue manager initialization and in response to a REFRESH SECURITY command for each security switch that is set OFF because an error occurred.

Severity: 0

System Action: The message may be issued in conjunction with message CSQH004I when an unexpected setting is encountered for a switch.

System Programmer Response: See message CSQH004I for more information.

Messages CSQH021I through CSQH026I are issued so that you can check the security configuration of your queue manager.

CSQH026I *csect-name switch-type security switch forced ON, profile 'profile-type' overridden*

Explanation: This message is issued during queue manager initialization and in response to a REFRESH SECURITY command for each security switch that was forced ON. This happens when an attempt was made to turn off both the queue manager and queue-sharing group security switches for the named profile, which is not allowed.

Severity: 0

System Programmer Response: Correct the profiles for the queue manager and queue-sharing group security switches, and refresh security if required.

Messages CSQH021I through CSQH026I are issued so that you can check the security configuration of your queue manager. See the *WebSphere MQ for z/OS System Setup Guide* for information about setting security switches.

CSQH030I **Security switches ...**

Explanation: This is issued in response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command and is followed by messages CSQH031I through CSQH036I for each security switch to show its setting and the security profile used to establish it.

Severity: 0

System Action: If the subsystem security switch is set off, you will get only one message (for that switch). Otherwise, a message is issued for each security switch.

CSQH031I *switch-type OFF, 'profile-type' found*

Explanation: This message is issued in response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command for each security switch that is set OFF because the named security profile has been found.

Severity: 0

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

CSQH032I *switch-type ON, 'profile-type' found*

Explanation: This message is issued in response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command for each security switch that is set ON because the named security profile has been found.

Severity: 0

CSQH033I *switch-type OFF, 'profile-type' not found*

Explanation: This message is issued in response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command for each security switch that is set OFF because the named security profile has not been found.

Severity: 0

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

CSQH034I *switch-type ON, 'profile-type' not found*

Explanation: This message is issued in response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command for each security switch that is set ON because the named security profile has not been found.

Severity: 0

CSQH035I *switch-type OFF, internal error*

Explanation: This message is issued in response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command for each security switch that is set OFF because an error occurred during initialization or when refreshing security.

Severity: 0

System Action: The message may be issued when an unexpected setting is encountered for a switch.

System Programmer Response: Check all your security switch settings. If required, correct them and refresh your security.

CSQH036I *switch-type ON, 'profile-type' overridden*

Explanation: This message is issued in response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command for each security switch that was forced ON. This happens when an attempt was made to turn off both the queue manager and queue-sharing group security switches for the named profile, which is not allowed.

Severity: 0

System Programmer Response: Correct the profiles for the queue manager and queue-sharing group security switches, and refresh security if required.

Chapter 4. Data manager messages (CSQI...)

CSQI002I *csect-name* **Page set** *psid* **value out of range**

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.

Severity: 8

System Action: The command is ignored.

Operator Response: Reissue the command using the correct syntax. (See the *WebSphere MQ Script (MQSC) Command Reference* manual for information about the command.)

CSQI003I *csect-name* **PSID keyword not allowed with TYPE(DATASET)**

Explanation: A DISPLAY USAGE command was issued specifying both the PSID keyword and TYPE(DATASET), which is not allowed.

Severity: 8

System Action: The command is ignored.

Operator Response: Reissue the command using the correct syntax. (See the *WebSphere MQ Script (MQSC) 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 the queue manager. This might be because the page set has not been defined to the queue manager with the DEFINE PSID command.

rba is the restart RBA for page set *nn*.

Severity: 0

System Action: Processing continues.

CSQI006I *csect-name* **COMPLETED IN-STORAGE INDEX FOR QUEUE** *q-name*

Explanation: During restart, in-storage indexes are built for non-shared queues that have the INDXTYPE attribute, which might take some time. This message records that index-building has been completed for the specified queue.

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 non-shared queues that have the INDXTYPE attribute, which might take some time. This message records that an index is being built for the specified queue.

Severity: 0

System Action: The in-storage index is built.

CSQI010I **Page set usage ...**

| **Explanation:** This message is the response to the
| DISPLAY USAGE command. It provides information
| about the page set usage, as follows:

| **Page ...**
| **set**
| **–** *n* *page-set-information*
| **:**
| **End of page set report**

| where *n* is the page set identifier. The columns of
| *page-set-information* are:

| *Buffer pool*
| The buffer pool used by the page set.

| *Total pages*
| The total number of 4 KB pages in the page
| set (this relates to the records parameter on the
| VSAM definition of the page set).

| *Unused pages*
| The number of pages that are not used (that is,
| available page sets).

| *Persistent data pages*
| The number of pages holding persistent data
| (these pages are being used to store object
| definitions and persistent message data).

| *Nonpersistent data pages*
| The number of pages holding nonpersistent
| data (these pages are being used to store
| nonpersistent message data).

| *Restart extents*
| The number of extents used by the page set at
| restart.

| *Expand count*
| The number of times the page set has been
| dynamically expanded since restart. (The

| maximum number of times the page set can be
| expanded is 123, provided that enough space
| is available.)

| **Note:** The page numbers are approximate because
| other threads might be altering the status of
| pages in this page set while the command is
| being processed.

| If a page set is unavailable, *page-set-information* will be
| one of:

| **has never been online**
| if the page set has been defined, but has never
| been used.

| **OFFLINE, recovery RBA=*rba***
| if the page set is currently not accessible by
| the queue manager, for example because the
| page set has not been defined to the queue
| manager with the DEFINE PSID command; *rba*
| is the restart RBA for the page set.

| **is not defined**
| if the command was issued for a specific page
| set that is not defined to the queue manager.

| Exceptionally, the last line of the report might be:

| **Page set report terminated**

| if there was an error in obtaining the information. The
| error is described in the following messages.

Severity: 0

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.

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 it all to be
displayed.

CSQI020I **MAXSMGS**(*number*)

Explanation: This message is issued in response to a
DISPLAY MAXSMGS command, and displays the
maximum number of messages that a task can get or
put within a single unit of recovery.

Severity: 0

CSQI021I *csect-name* **PAGE SET *psid* IS EMPTY.
MEDIA RECOVERY STARTED**

Explanation: The queue manager has recognized a
page set with a recovery RBA of zero. It will update the
page set using information in the log data sets.

Severity: 0

System Action: The queue manager rebuilds the page
set.

CSQI022I *csect-name* **PAGE SET *psid* NEWLY
ADDED**

Explanation: The queue manager has recognized that
page set *psid* is new to the system.

Severity: 0

CSQI023I *csect-name* **PAGE SET *psid* ONLINE
AGAIN. MEDIA RECOVERY STARTED**

Explanation: A page set has been redefined to the
queue manager after a period offline.

Severity: 0

System Action: Any updates to the page set that are
necessary are applied.

CSQI024I *csect-name* **Restart RBA for system as
configured = *restart-rba***

Explanation: This message gives the restart RBA
(relative byte address) for the queue manager, 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.

Severity: 0

CSQI025I *csect-name* **Restart RBA including offline
page sets = *restart-rba***

Explanation: This message gives the restart RBA
(relative byte address) for the queue manager,
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.

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.

Severity: 0

System Action: Processing continues.

CSQI027I *csect-name* **PAGE SET *nn* TREATED AS A NEW PAGE SET**

Explanation: This message indicates that the page set *nn* has been formatted using TYPE(NEW). It is treated as if it has been newly-added to the system, so all historical information relating to this page set is discarded. In particular, all queues that use storage classes that reference the page set will be cleared of all messages.

Severity: 0

System Action: Processing continues.

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.

Severity: 8

System Action: This message might be issued more than once, each occurrence naming a different queue. The queue manager ends abnormally with reason code X'00C93800'.

System Programmer Response: Contact your IBM support center for assistance.

CSQI029I *csect-name* **PAGE SET *psid* IS AN OLD COPY. MEDIA RECOVERY STARTED**

Explanation: The queue manager has recognized that the media recovery RBA held within the page set is older than the media recovery RBA checkpointed for the page set. This is because the queue manager was started with an old copy of the page set.

Severity: 0

System Action: Any updates to the page set that are necessary are applied. Restart processing continues.

CSQI030I *csect-name* **PAGE SET *nn* TREATED AS A REPLACEMENT PAGE SET**

Explanation: This message indicates that the page set *nn* has been formatted using TYPE(REPLACE). No media recovery will be performed on the page set.

Severity: 0

System Action: Processing continues.

CSQI031I *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.

Severity: 0

System Action: Processing continues.

CSQI032I *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.

Severity: 0

System Action: Processing continues.

CSQI041I *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.

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.

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.

System Programmer Response: Plan to stop the queue manager at a convenient time and reset the logs. See the *WebSphere MQ for z/OS System Administration 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.

System Programmer Response: Stop the queue manager as soon as is convenient and reset the logs. See the *WebSphere MQ for z/OS System Administration 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.

System Programmer Response: Stop the queue manager immediately and reset the logs. See the *WebSphere MQ for z/OS System Administration 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 *WebSphere MQ for z/OS System Setup Guide* for information about the 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.

CSQI049I **Page set psid has media recovery RBA=rcvry-rba, checkpoint RBA=chkpt-rba**

Explanation: During restart, the queue manager opened the indicated page set. The media recovery RBA from the page set itself and the checkpointed RBA from the logs are as shown.

If the RBAs differ, it indicates that an old copy of the page set is being used. If the checkpoint RBA and the prior checkpoint RBA shown in message CSQR003I differ, it indicates that the page set has been offline.

Severity: 0

System Action: Processing continues. Media recovery is performed if necessary to bring the page set up to date.

	<i>rrr</i>	The RBA or LRSN corresponding to the
		circumstance.
	<i>dsname</i>	The name of the copy 1 data set. If no data set
		relates to a circumstance, this is shown as
		None ; if the data set name cannot be
		determined, this is shown as Not found .

Severity: 0

Operator Response: This information can be used to help manage data sets; see the *WebSphere MQ for z/OS System Administration Guide* for details.

Chapter 5. Recovery log manager messages (CSQJ...)

CSQJ001I **CURRENT COPY *n* ACTIVE LOG**
DATA SET IS DSN=*dsname***,**
STARTRBA=*sss* **ENDRBA=***ttt*

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 (or when an ARCHIVE LOG command is issued), MQ 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 STARTRBA is the RBA of the first byte of log data in the named data set. The value specified by ENDRBA is the RBA of the last possible byte in the data set.

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 **END OF ACTIVE LOG DATA SET**
DSN=*dsname***, STARTRBA=***sss*
ENDRBA=*ttt*

Explanation: This message is sent at the time the log manager switches to a new empty data set. The message shows the name and log RBA range of the full data set.

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**
DSN=*dsname***, STARTRBA=***sss*
ENDRBA=*ttt***, STARTTIME=***ppp*
ENDTIME=*qqq***, UNIT=***unitname***,**
COPY*n***VOL=***vvv* **VOLSPAN=***xxx*
CATLG=*yyy*

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.

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

STARTTIME

The starting store-clock value of the log records in the volume

ENDTIME

The ending store-clock value of the log records in the volume

UNIT

The device unit to which the data set was allocated

COPY*n***VOL**

The name of the volume; this 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:

NO

The data set is entirely contained on the volume specified by COPY*n*VOL

FIRST

This is the first entry of a multivolume data set

MIDDLE

This is the middle entry of a multivolume data set

LAST

This is the last entry of a multivolume data set

CATLG

An indicator to denote one of two conditions:

NO

The archive log data set is uncataloged

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=*ttt*

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.

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 terminates

abnormally while in single mode with the system parameter 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.

System Programmer 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.

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=*sss***

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.

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.

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.

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 ends abnormally with the same reason code.

CSQJ008E ***nn* OF *mm* ACTIVE LOGS ARE FULL,
qmgr-name NEEDS ARCHIVE SCRATCH**

Explanation: MQ needs a scratch volume for offloading an active log data set. *qmgr-name* is the name of the queue manager. *nn* is the number of full active log data sets. *mm* is the total number of active log data sets.

System Action: The offload task issues message CSQJ021D and waits for the operator's reply.

Operator Response: There are three options:

- Get a scratch volume ready, make sure there is an available unit for the volume, and reply 'Y'. MQ 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 MQ 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 ***qmgr-name* NEEDS VOL SER=*nnnnnn***

Explanation: MQ needs the specified archive volume for a read operation. *qmgr-name* is the name of the queue manager.

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'. MQ 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.

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'.

System Action: If 'Y' is the response, the queue manager is started conditionally, using the record found. If 'N' is the response, startup is terminated.

System Programmer Response: Respond as indicated.

If a normal restart 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 *dsname*, CONNECTION-ID=*xxxx* THREAD-XREF=*yyyyyyy*

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. *dsname* is the name of the active or archive log data set from which the record was read. If *dsname* 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.

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 abnormal termination that will follow.

System Programmer Response: See the *WebSphere MQ for z/OS System Administration 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 reason code associated with the SDUMP that is produced. *rrr* is the log RBA at which the error was detected.

System Action: The queue manager will terminate with a dump, and will not write the damaged buffer to either COPY 1 or COPY 2 active log data set.

System Programmer Response: Restart the queue manager after it terminates.

Because the damaged buffer has not been written to a log data set, the queue manager 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 reason code associated with the SDUMP that is produced. *rrr* is the log RBA at which the error was detected.

System Action: The queue manager terminates with a dump, and does not write the damaged buffer to the COPY 2 data set.

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 the queue manager 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. **QUEUE MANAGER STARTUP**
IS TERMINATED

Explanation: The operator chose to terminate queue manager startup by answering 'N' to *msg-num*.

System Action: The queue manager will not restart.

Operator Response: To restart the queue manager, 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.

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.

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. The status of these logs is STOPPED in the BSDS.

System Action: The queue manager terminates with a dump.

System Programmer Response: The log RBA range must be available for the queue manager 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 *WebSphere MQ for z/OS System Administration 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.

CSQJ033I **FULL ARCHIVE LOG VOLUME**
DSNAME=*dsname*, STARTRBA=*sss*
ENDRBA=*ttt*, STARTLRSN=*ppp*
ENDLRSN=*qqq*, UNIT=*unitname*,
COPY=*n* VOL=*vvv* VOLSPAN=*xxx*
CATLG=*yyy*

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.

This message is issued in place of CSQJ003I for queue-sharing groups.

System Action: See message CSQJ003I. STARTTIME and ENDTIME are replaced by the following:
STARTLRSN

The starting LRSN contained in the volume for queue-sharing groups.

ENDLRSN

The ending LRSN contained in the volume for queue-sharing groups.

CSQJ060E *parm-name* **system parameters are**
unusable

Explanation: The format of the parameters set by *parm-name* in the system parameter load module is invalid, so they cannot be used.

System Action: The queue manager is terminated with abnormally with reason code X'00E80084'.

System Programmer Response: Ensure that the queue manager is started with a correct system parameter module, for example CSQZPARM. If necessary, reassemble the module that uses the indicated parameters, and relink-edit your system parameter load module.

CSQJ061I *parm-name* **system parameters are**
obsolete

Explanation: The parameters set by *parm-name* in the system parameter load module use some values which are now obsolete.

System Action: Processing continues. The obsolete parameters are ignored, and default values are used for new parameters.

System Programmer Response: Review your system parameter settings. If necessary, reassemble the module that uses the indicated parameters, and relink-edit your

system parameter load module.

CSQJ070E *csect-name* **ARCHIVE LOG DSN PREFIX NOT IN PROPER FORMAT TO RECEIVE TIME STAMP DATA. TIME STAMPING OF *dsname* BYPASSED**

Explanation: The system parameters (set by CSQ6ARVP) specify 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, MQ 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.

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.

System Programmer Response: The system 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 *WebSphere MQ for z/OS System Setup Guide*, under the CSQ6ARVP macro subtopic.

CSQJ071E *csect-name* **TIMER FAILURE CAUSED TIME STAMPING OF ARCHIVE *dsname* TO BE BYPASSED**

Explanation: The system parameters (set by CSQ6ARVP) specify 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.

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, OVERRIDING CATALOG PARAMETER**

Explanation: The system parameters (set by CSQ6ARVP) specify that all archive log data sets should be uncataloged (CATALOG=NO). However, MQ requires that all archive log data sets allocated to non-tape 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.

System Action: The archive log data set has been allocated to a nontape device, and has been cataloged. The system parameter CATALOG=NO setting has been overridden. The BSDS reflects that the data set has been cataloged.

System Programmer Response: The archive system 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 *WebSphere MQ for z/OS System Setup Guide*, under the CSQ6ARVP macro subtopic.

CSQJ073E **LOG ARCHIVE UNIT ALLOCATION FAILED, REASON CODE=*ccc*. ALLOCATION OR OFFLOAD 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 *ccc* in the message, further clarifies the problem as follows:

4-28 (X'4'-X'1C')

Return code from z/OS 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')

MQ was able to obtain a list of devices corresponding to the device type (unit name) specified in the system parameters. However, it was determined that this list contained a mixture of tape and nontape devices.

36 (X'24')

Nonfetch-protected storage could not be obtained to build a parameter list for a z/OS service.

40 (X'28')

The device type (unit name) specified by the user in the system parameters 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 the system parameters is valid. However, no DASD volumes are available with a volume use attribute of *storage*.

System Action: This message is issued 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 reason 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. MQ uses a volume count of 20 when allocating to tape, and uses the standard z/OS 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 MQ to determine the device type on which the data set is to be allocated. Therefore, the standard z/OS 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 a z/OS completion code X'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, MQ will use a unit count to facilitate multivolume archive data sets. With most of the above errors, it might be impossible for MQ 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 a z/OS X'B37' (out of space) completion code, and the archive log data set will be deallocated.

System Programmer Response: The required action is based on the reason 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 z/OS IEFGB4UV macro. The most likely causes for the common values are:

4 (X'04')

Incorrect specification in the archive system parameters. Correct the UNIT parameter. If the UNIT parameter from the archive system parameters appears to be correct, check the EDT to ensure that the esoteric or generic unit name specified in the parameters 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 system parameters, 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 queue manager address space might have to be increased, or standard z/OS diagnostic procedures might have to be used to correct the problem.

20 (X'14')

Incorrect specification in archive system parameters, incorrect operational

32 (X'20') or 40 (X'28')

To correct this situation, change the archive system parameter UNIT 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 the z/OS command MOUNT 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 the archive system parameters to use a different esoteric or generic unit name for the UNIT

CSQJ077E LOG OR BSDS READ ERROR FOR QMGR *qmgr-name*, REASON CODE=ccc

Explanation: This message identifies a queue manager whose log data cannot be accessed. The logs or BSDS of other queue managers in a queue-sharing group may be accessed during a RECOVER CFSTRUCT operation.

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: Look for earlier messages which may identify more specifically the data

set being accessed and the problem.

If you are unable to solve the problem, note the reason code, collect the following items, and contact your IBM support center:

- System dump
- Console output for the issuing queue manager
- Console output for the other queue manager
- Printout of SYS1.LOGREC

CSQJ098E *csect-name* **RESTART CONTROL
ENDLRSN *rrr* IS NOT IN KNOWN
LRSN RANGE. QUEUE MANAGER
STARTUP IS TERMINATED**

Explanation: A conditional restart control record requests truncation, but it cannot take place because the end LRSN was not in the range of LRSN values known to either the active or archive logs. *rrr* is the end LRSN specified in the active record. The end LRSN is either higher than the end LRSN of the most recent active log data set, or lower than the starting LRSN of the oldest archive log data set.

System Action: Queue manager startup is terminated.

System Programmer Response: Check the ENDLRSN value specified in the conditional restart control record. If it is not correct, run the change log inventory utility (CSQJU003) using CRESTART CANCEL cancel the conditional restart, and a new CRESTART specifying the correct ENDLRSN.

CSQJ099I **LOG RECORDING TO COMMENCE
WITH STARTRBA=*sss***

Explanation: This message is generated when the log manager is initialized during startup. The value specified by STARTRBA is the RBA of the next byte of log data to be recorded in the active log data sets.

This message is preceded by one (if single logging) or two (if dual logging) CSQJ001I messages.

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=*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 queue manager started task JCL procedure (xxxxMSTR) 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*.

System Action: When this error occurs at initialization time, 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 queue manager continues in single BSDS mode.

System Programmer Response: Recover the BSDS that cannot be opened. See the *WebSphere MQ for z/OS System Administration 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 NOT IN KNOWN RBA
RANGE. QUEUE MANAGER STARTUP
IS TERMINATED**

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: Queue manager startup is terminated.

System Programmer Response: Check the ENDRBA value specified in the conditional restart control record. If it is not correct, run the change log inventory utility (CSQJU003) using CRESTART CANCEL cancel the conditional restart, and a new CRESTART specifying the correct ENDRBA.

Otherwise, then 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 the queue manager.

CSQJ102E **LOG RBA CONTENT OF LOG DATA
SET DSNAME=*dsname*, STARTRBA=*sss*
ENDRBA=*ttt*, 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.

System Action: Startup processing is terminated.

System Programmer Response: Use the print log map and change log inventory utilities to make the BSDS consistent with the log data sets.

CSQJ103E *csect-name* **LOG ALLOCATION ERROR**
DSNAME=*dsname*, **ERROR**
STATUS=*eeeeiiii*, **SMS REASON**
CODE=*ssssssss*

Explanation: The log manager encountered an error while attempting to allocate the active or archive log data set indicated by DSNAME. STATUS indicates the error reason code returned by z/OS dynamic allocation (SVC99).

This message might be preceded by message CSQJ073E.

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, 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.

System Programmer Response: The error status portion of this message contains a 2-byte error code (*eeee*, S99ERROR) followed by the 2-byte information code (*iiii*, S99INFO) from the SVC99 request block. If the S99ERROR code indicates an SMS allocation error ('97xx'), then *ssssssss* contains additional SMS reason code information obtained from S99ERSN. See the *MVS Authorized Assembler Services Guide* manual for a description of these codes.

For active log data sets, if the problem occurred during queue manager initialization, you can resolve the problem by doing one of the following:

- Resolve the error associated with the active log data set as indicated by STATUS
- Provide another copy of the active log data set, using Access Method Services
- Update the BSDS with the change log inventory utility (CSQJU003)
- Restart the queue manager

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 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 *WebSphere MQ for z/OS System Administration Guide* for information about dealing with problems on the log.

This message might also be issued as the result of a user error. If STATUS 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 JCL.
- 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 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 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 IEC161I 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 *WebSphere MQ for z/OS System Administration Guide* for information about dealing with problems on the log.

System Action: If this condition is encountered during log manager initialization, 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 queue manager is terminated.

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 after startup, 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=*dsname*, LOGRBA=*rrr*,
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.

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=*dsname*,
LOGRBA=*rrr*, 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.)

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 queue manager might continue with the alternate log data set if dual logging is used, or end abnormally.

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 *WebSphere MQ for z/OS System Administration 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 specified by DSNAME is missing, and STATUS 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 *WebSphere MQ for z/OS System*

Administration Guide for information about using the change log inventory utility.

- Reset the log system parameters to indicate single logging. You can do this by setting TWOACTV to 'NO' in the CSQ6LOGP system parameters.

CSQJ107E READ ERROR ON BSDS
DSNAME=dsname ERROR STATUS=eee

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 *WebSphere MQ for z/OS System Administration Guide* for information about dealing with problems on the BSDS or the log.

System Action: If dual BSDSs are available, the log manager attempts to read from the other BSDSs. If the read from the second BSDS fails or if there is only one BSDS, an error code is returned to the log request that caused access to the BSDS.

If the read error is detected during restart, the queue manager terminates.

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 queue manager started task JCL procedure (xxxxMSTR) to specify the new BSDS name.

CSQJ108E WRITE ERROR ON BSDS
DSNAME=dsname ERROR STATUS=eee

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.

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.

System Programmer Response: If dual BSDS mode is being used, run an offline Access Method Services job to rename the error BSDS and define a new BSDS with the same name. Then enter the RECOVER BSDS command to reestablish dual BSDS mode.

If dual BSDS mode is not being used, the queue

manager 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=dsname

Explanation: There is no more space in the specified BSDS. The operation that encountered the out-of-space condition did not complete properly.

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.

System Programmer Response: If dual BSDS mode is being used, run an offline Access Method Services job to rename the full BSDS and define a new, larger BSDS with the same name. Enter the RECOVER BSDS command to reestablish dual BSDS mode.

If dual BSDS mode is not being used, the queue manager must be shut down and the BSDS recovered offline. In this case, run the same Access Method Services job mentioned above to rename the full data set and define a larger data set. Next, run 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 5% full, and is reissued after each additional 5% of the data set space is filled.

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 MQ processing will stop.

System Programmer 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 MQ 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, 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 the queue manager to be inactive 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 MQ 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.
- Insufficient active log space.

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. Recovery logging cannot continue.

System Action: The log manager waits for an available data set. Any tasks performing MQ API calls that require logging will wait.

System Programmer 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.

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 *WebSphere MQ for z/OS System Administration Guide*.

If the problem occurred because archiving was set off, or because archive data sets could not be allocated, or for any other reason that requires the system parameters to be changed, the queue manager must be canceled as neither STOP MODE(QUIESCE) nor STOP MODE(FORCE) will work.

To free any tasks that are waiting because they were performing MQ API calls that require logging, you must solve the underlying problem, or cancel the queue manager.

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 the queue manager. 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.

- The CSQ6LOGP system parameters specified TWOACTV=YES 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.

System Action: Startup is terminated.

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 system parameters specified in CSQ6LOGP, or to add further active log data sets so that there are two or more active log data sets available for use in each active log copy. Restart the queue manager.

Note: Log data sets that are flagged as STOPPED will not be reused by MQ. Once the queue manager has been restarted you might need to recover STOPPED log data sets. To clear the STOPPED status:

1. Stop the queue manager
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 RBA log-rba NOT IN ANY ACTIVE OR ARCHIVE LOG DATA SET, CONNECTION-ID=xxxx THREAD-XREF=yyyyyy

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 MQ task). See the *WebSphere MQ for z/OS System Administration Guide* for information about dealing with problems on the log.

System Action: Depending upon what log record is being read and why, the log manager might end abnormally with a reason code of X'00D1032A'.

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 the queue manager.

**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.

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.

System Action: Offload will be tried at a later time.

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 ADDING 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.

System Action: Offload will be retried at a later time.

System Programmer Response: See the specific preceding message for action.

**CSQJ117E INITIALIZATION ERROR READING
BSDS DSNAME=*dsname*, ERROR
STATUS=*eee***

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.

System Action: Startup is terminated.

System Programmer Response: Determine the cause of the read error using the VSAM error status information provided. Restart the queue manager.

**CSQJ118E MACRO *xxx* FAILED IN LOG
INITIALIZATION, RC=*ccc***

Explanation: Log manager initialization received a return code from the named macro.

System Action: Startup is terminated.

System Programmer Response: Determine the problem from the documentation on the named macro and return code. Then take appropriate steps, and restart the queue manager. 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 *WebSphere MQ for z/OS System Administration Guide* for information about dealing with problems on the BSDS or the log.

System Action: Startup is terminated.

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=*uty-bsds1*,
BSDS2=*uty-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.

System Action: Startup is terminated.

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 INITIALIZATION ERROR READING
JFCB, DDNAME=ddd**

Explanation: During log manager initialization (if dual BSDS data sets are specified), the job file control block (JFCB) in z/OS is read to obtain the data set names associated with DDnames BSDS1 and BSDS2. This error is caused by a missing DD statement.

System Action: Startup is terminated.

System Programmer Response: Ensure that a DD statement exists in the queue manager started task JCL procedure xxxxMSTR for DDname BSDS1. If dual BSDS data sets are used, ensure that a DD statement also exists in the queue manager started task JCL procedure xxxxMSTR 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.

System Action: Startup is terminated.

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.

System Action: Startup is terminated.

System Programmer Response: Run the print log map utility to determine what operation against the BSDS 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.

System Action: Active log data sets continue to be offloaded as they become full.

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 queue manager,

and remove the error-prone active log data set.

**CSQJ125E ERROR COPYING BSDS, OFFLOAD
CONTINUING WITHOUT THE BSDS
COPY**

Explanation: An error occurred while copying the BSDS data set during the offload process. The data set is not produced, and the volume containing the offloaded data set does not contain a BSDS for recovery use.

System Action: The queue manager continues the offload process without producing a copy 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 copied 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 offloads 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.

System Action: The log manager enters single BSDS mode using the remaining BSDS.

System Programmer Response: Run an offline Access Method Services job to rename the error BSDS and define a new BSDS with the same name. Then enter the RECOVER BSDS command to reestablish dual BSDS mode.

**CSQJ127I SYSTEM TIME STAMP FOR BSDS=date
time**

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 queue manager 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.

System Action: Startup continues.

System Programmer Response: If the time displayed is not close to the time this queue manager was last stopped, and you cannot explain any time discrepancy, cancel the queue manager. From the queue manager started task JCL procedure xxxxMSTR, 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 queue manager. If not, then change the started task JCL procedure xxxxMSTR for the queue manager to use the correct BSDSs.

CSQJ128E LOG OFFLOAD TASK FAILED FOR ACTIVE LOG *dsname*

Explanation: The offload task ended abnormally while attempting to offload the RBA range in active log data set *dsname*.

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 queue manager 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 queue manager to truncate and offload the active log data set, and switch to a new active log data set

System Programmer Response: This message is the result of an offload error, and will be preceded by one or more MQ messages (for example, CSQJ073E) and z/OS messages (for example, IEC030I, IEC031I, IEC032I). If the queue manager is operating with restricted active log resources (see message CSQJ110E), quiesce the system to restrict logging activity until the abnormal termination or the CSQJ110E condition can be resolved.

Investigate and correct the cause of the abnormal termination before the offload is attempted again by the queue manager.

Problem Determination: This message is the result of an offload error and will be preceded by one or more MQ messages and z/OS messages. See the appropriate manual for the associated MQ and z/OS 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 z/OS 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 z/OS message IEC032I.
- The primary space allocation for the archive log data set (as specified in the system parameters) is too large to allocate to any available online DASD device. This condition is normally accompanied by z/OS 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*.

System Action: Startup processing is terminated.

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 the queue manager.

If the data set is not available, contact your IBM support center.

CSQJ131E *csect-name* ERROR WRITING QUEUE MANAGER INFORMATION TO DB2

Explanation: During command processing, a failure occurred attempting to write queue manager information to DB2.

System Action: Processing of the command is terminated.

System Programmer Response: Check the console for messages relating to the problem.

CSQJ132E *csect-name* ERROR READING QUEUE MANAGER INFORMATION FROM DB2

Explanation: During command processing, a failure occurred attempting to read queue manager information from DB2.

System Action: Processing of the command is terminated.

System Programmer Response: Check the console for messages relating to the problem.

CSQJ133E **LRSN *rrr* NOT IN ANY ACTIVE OR
ARCHIVE LOG DATA SET,
CONNECTION-ID=*xxxx*
THREAD-XREF=*yyyyyy*,
QMGR=*qmgr-name***

Explanation: The log manager has been requested to read the log record starting at this LRSN by the indicated queue manager (which might not be the issuer of the message). 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 MQ task). See the *WebSphere MQ for z/OS System Administration Guide* for information about dealing with problems on the log.

System Action: Depending upon what log record is being read and why, the log manager might end abnormally with a reason code of X'00D1032A'.

System Programmer Response: This is probably a 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 LRSN. 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 the queue manager.

CSQJ136I **UNABLE TO ALLOCATE TAPE UNIT
FOR CONNECTION-ID=*xxxx*
CORRELATION-ID=*yyyyyy*, *m*
ALLOCATED *n* ALLOWED**

Explanation: An attempt to allocate a tape unit for the indicated connection ID failed. The current maximum tape unit specified is *n*, but only *m* are physically available.

System Action: The process for the connection ID and correlation ID is held until either an allocated tape unit becomes free or more tape units are varied online and made available to the archive read task. This situation rectifies itself over time as currently allocated tape units become available.

Operator Response: To improve throughput, vary additional tape units online and make them available to MQ. Note that an archive process rescan is not attempted until the SET LOG command is issued or an allocated tape dismounts.

CSQJ139I **LOG OFFLOAD TASK ENDED**

Explanation: Processing of the active log offload ended.

System Action: This message is written to the z/OS 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 this, 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.

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 the queue manager. If the problem that caused this error cannot be corrected, ensure that the default CSQJW117 entry (load module CSQJL004 - supplied with MQ) is available during the next queue manager start.

CSQJ151I *csect-name* **ERROR READING RBA *rrr*,
CONNECTION-ID=*xxxx*
CORRELATION-ID=*yyyyyy* REASON
CODE=*ccc***

Explanation: The queue manager could not successfully complete the read of the indicated RBA due to reason code *ccc*. The user or application that encountered the error is identified by the connection and correlation IDs. Messages that have the same connection ID and correlation ID relate to the same application. Correlation IDs beginning with '0nn', where nn is a number from 01 to 28, identify system agents.

System Action: The queue manager attempts to recover from the error.

System Programmer Response: If the queue manager was able to recover from the error and successfully complete the application, no further action is required. If the application abnormally terminated or the queue manager could not recover successfully, this message is followed by one or more messages. Refer to the information in this message and the subsequent messages to determine the appropriate corrective action. For information about recovery from log

failures, refer to the *WebSphere MQ for z/OS System Administration Guide*.

CSQJ152I *csect-name* **ERROR BUILDING
ARCHIVE LOG VOLUME REPORT,
CONNECTION-ID=xxxx
CORRELATION-ID=yyyyyy REASON
CODE=ccc**

Explanation: An error occurred while attempting to create the archive log volume report. An RBA range could not be successfully mapped into one or more archive data sets due to reason code *ccc*. The user or application that encountered the error is identified by the connection and correlation IDs. This message might be preceded by one or more related error messages. Messages that have the same connection ID and correlation ID relate to the same application. Correlation IDs beginning with '0nn', where nn is a number from 01 to 28, identify system agents.

This failure could be caused by one or more missing archive log data sets, or a system error (for example, an I/O error reading the BSDS).

System Action: The archive log volume report (see message CSQJ330I) is not produced. In addition, no premounting of tapes is possible.

The user or application continues execution. The physical read process for the user or application continues until the job completes normally or terminates abnormally. The job can terminate abnormally if the error is encountered again when the data set is physically required for the read process.

System Programmer Response: If the user or application completes successfully, no further action is necessary. If the user or application does not complete successfully, refer to the messages related to the actual failure to determine the appropriate corrective action. For information about recovery from log failures, refer to the *WebSphere MQ for z/OS System Administration Guide*.

CSQJ153I *csect-name* **ERROR READING LRSN *rrr*,
CONNECTION-ID=xxxx
CORRELATION-ID=yyyyyy REASON
CODE=ccc, QMGR=*qmgr-name***

Explanation: The queue manager could not successfully complete the read of the indicated LRSN for the indicated queue manager (which might not be the issuer of the message) due to reason code *ccc*. The user or application that encountered the error is identified by the connection and correlation IDs. Messages that have the same connection ID and correlation ID relate to the same application. Correlation IDs beginning with '0nn', where nn is a number from 01 to 28, identify system agents.

System Action: The queue manager attempts to recover from the error.

System Programmer Response: If the queue manager was able to recover from the error and successfully complete the application, no further action is required. If the application abnormally terminated or the queue manager could not recover successfully, this message is followed by one or more messages. Refer to the information in this message and the subsequent messages to determine the appropriate corrective action. For information about recovery from log failures, refer to the *WebSphere MQ for z/OS System Administration Guide*.

CSQJ160I **LONG-RUNNING UOW FOUND,
URID=*urid* CONNECTION NAME=*name***

Explanation: During active log offload, an uncommitted unit of recovery was encountered that now has records on the newly created archive log. The unit of recovery identifier *urid* together with the connection name *name* identify the associated thread.

System Action: Processing continues.

System Programmer Response: Consult with the application programmer to determine if there is a problem with the unit of recovery, and to ensure that the application commits work frequently enough. Uncommitted units of recovery can lead to difficulties later.

CSQJ161I **UOW UNRESOLVED AFTER *n*
OFFLOADS, URID=*urid* CONNECTION
NAME=*name***

Explanation: During active log offload, an uncommitted unit of recovery was encountered that now has records spanning several archive logs. The unit of recovery identifier *urid* together with the connection name *name* identify the associated thread.

n is the number of logs archived since the unit of recovery was started. The message is first issued during an offload when *n* exceeds half the MAXARCH system parameter value, and is issued during every offload thereafter while the unit of recovery remains uncommitted.

System Action: Processing continues.

System Programmer Response: Consult with the application programmer to determine if there is a problem with the unit of recovery, and to ensure that the application commits work frequently enough. Uncommitted units of recovery can lead to difficulties later.

CSQJ200I *csect-name* **UTILITY PROCESSING
COMPLETED SUCCESSFULLY**

Explanation: The utility completed successfully.

CSQJ201I *csect-name* UTILITY PROCESSING WAS UNSUCCESSFUL

Explanation: The utility was unable to complete processing successfully.

System Action: The current utility is terminated.

System Programmer Response: Review other messages produced by the utility to determine the appropriate action to be taken.

CSQJ202E INSUFFICIENT VIRTUAL STORAGE AVAILABLE TO CONTINUE WITH UTILITY

Explanation: A request for storage was unsuccessful because no more storage is available for the job-step.

System Action: The current utility is terminated.

System Programmer Response: Rerun the utility after providing a larger storage allocation for the job-step.

CSQJ203E *oper* OPERATION IS INVALID

Explanation: The user entered a utility control statement operation (*oper*) that is invalid.

System Action: The current utility is terminated.

System Programmer Response: Correct the control statement, and rerun the utility.

CSQJ204E *xxxx* PARAMETER IS INVALID

Explanation: The user specified a utility control statement parameter (*xxxx*) that is invalid.

System Action: The current utility is terminated.

System Programmer Response: Correct the control statement, and rerun the utility.

CSQJ205E *xxxx* PARAMETER HAS NO ARGUMENT

Explanation: *xxxx* contains the name of a parameter that requires an argument.

System Action: The current utility is terminated.

System Programmer Response: Specify an argument for the identified parameter and then rerun the utility.

CSQJ206E *xxxx* PARAMETER REQUIRES NO ARGUMENT

Explanation: *xxxx* contains the name of the parameter that has been incorrectly followed by an = symbol.

System Action: The current utility is terminated.

System Programmer Response: Correct the control statement, and rerun the utility.

CSQJ207E PARAMETERS INCONSISTENT WITH SPECIFIED OPERATION

Explanation: The user has specified utility control statement parameters that are inconsistent with the specified utility operation.

System Action: The current utility is terminated.

System Programmer 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.

System Action: The current utility is terminated.

System Programmer Response: Correct the control statements, and rerun the utility.

CSQJ212E ERROR RETURNED FROM BSDS READ, RPLERRCD=*yy*, DDNAME=*ddd*

Explanation: A VSAM GET was issued that resulted in a nonzero return code. *yy* contains the error code returned by VSAM. *ddd* contains the DDname of the BSDS encountering the error.

System Action: The current utility is terminated.

System Programmer Response: The action taken is dictated by the return code. The BSDS might have to be recovered by use of a backup copy.

CSQJ213E ERROR RETURNED FROM BSDS WRITE, RPLERRCD=*yy*, DDNAME=*ddd*

Explanation: A VSAM PUT was issued that resulted in a nonzero return code. *yy* contains the error code returned by VSAM. *ddd* contains the DDname of the BSDS encountering the error.

System Action: The current utility is terminated.

System Programmer 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 DSNAME ALREADY EXISTS IN BSDS, DDNAME=*ddd*

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 DSNAME currently exists in either the active or archive records of that BSDS. *ddd* contains the DDname of the subject BSDS.

System Action: The current utility is terminated.

System Programmer 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=ddd**

Explanation: The maximum number of active log data sets is fixed. No further entries can be inserted after the maximum has been reached. *ddd* contains the DDname of the subject BSDS.

System Action: The current utility is terminated.

System Programmer 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=ddd**

Explanation: The DELETE operation specifies a DSNNAME that cannot be found in the BSDS. *ddd* contains the DDname of the subject BSDS.

System Action: The current utility is terminated.

System Programmer Response: Correct the control statement, and rerun the utility.

**CSQJ218E SPECIFIED VOLUME DOES NOT
EXIST IN BSDS, DDNAME=ddd**

Explanation: The DELETE operation specifies a COPY1VOL or COPY2VOL argument that cannot be found in the BSDS. *ddd* contains the DDname of the subject BSDS.

System Action: The current utility is terminated.

System Programmer Response: Correct the control statement, and rerun the utility.

CSQJ219E OPEN ERROR, DDNAME=ddd

Explanation: An error occurred when *csect-name* tried to open a data set named *ddd*.

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 queue manager is currently active
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 *ddd* is already open, possibly due to an earlier error
5. The user is not authorized to access the data set associated with *ddd*
6. Insufficient storage is available to perform the OPEN operation

7. The catalog indicates that the data set associated with *ddd* has an invalid physical record size

System Action: The current utility is terminated.

System Programmer 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 *WebSphere MQ for z/OS System Administration Guide* for details concerning the required DD statements.
2. Wait until the queue manager is inactive before running the utility again because the log utility cannot run while it 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 *ddd*. Rerun the log utility job.
5. In the case of an authorization problem, a separate message is usually generated from the authorization facility (RACE, for example). Investigate the authorization messages and obtain the proper authorization before running the utility again.
6. Insufficient storage is usually accompanied by a separate error from z/OS. Increase the REGION size for the 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=ddd**

Explanation: The print log map utility found the BSDS to be in create mode, so it cannot contain data to map. *ddd* contains the DDname of the data set.

System Action: The current utility is terminated.

System Programmer Response: Correct the JCL so that a non-null data set can be processed.

**CSQJ221I PREVIOUS ERROR CAUSED *oper*
OPERATION TO BE BYPASSED**

Explanation: Errors were encountered during utility processing. These errors subsequently caused *oper* to be bypassed.

This message is a warning only and is displayed after messages that specify the error or errors that occurred. Note that the error or errors might not be associated with the current *oper* 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.

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.

System Programmer 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.

System Action: The current utility is terminated.

System Programmer 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.

System Action: The current utility is terminated.

System Programmer 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.

System Action: The current utility is terminated.

System Programmer Response: Remove the redundant parameter, and rerun the utility.

CSQJ225I *oper* OPERATION SUCCESSFULLY COMPLETED

Explanation: The *oper* specified in the message identifies the name of the change log inventory utility operation that has been successfully completed.

CSQJ226E SPECIFIED VOLUME ALREADY EXISTS IN BSDS, DDNAME=*ddd*

Explanation: The specified volume currently exists in the archive log records of the BSDS. *ddd* specifies the DDname of the subject BSDS.

System Action: The current utility is terminated.

System Programmer 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=*ddd*

Explanation: The maximum number of archive volumes has been exceeded, and no more space is available for volume entries in the copy specified.

System Action: The current utility is terminated.

System Programmer Response: Delete some of the archive entries in the specified copy number, and rerun the utility.

CSQJ228E *csect-name* LOG DEALLOCATION ERROR DSNAME=*dsname*, ERROR STATUS=*eeeeiiii*, SMS REASON CODE=*ssssssss*

Explanation: The log manager encountered an error when trying to dynamically deallocate the data set. Error status is the error reason code returned by z/OS dynamic allocation.

System Action: Log manager processing continues.

System Programmer Response: The error status portion of this message contains a 2-byte error code (*eeee*, S99ERROR) followed by the 2-byte information code (*iiii*, S99INFO) from the SVC99 request block. If the S99ERROR code indicates an SMS allocation error ('97xx'), then *ssssssss* contains additional SMS reason code information obtained from S99ERSN. 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.

System Action: Startup is terminated.

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 command function was unable to complete its initialization process.

System Action: Startup is terminated.

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.

System Action: 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.

System Action: Startup is terminated.

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.

System Action: Startup is terminated.

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.

System Action: Startup is terminated.

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.

System Action: Log manager shutdown continues to the next step.

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.

System Action: Log manager shutdown continues to the next step.

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 command function was unable to complete its termination process.

System Action: Log manager shutdown continues to the next step.

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.

System Action: The log manager shutdown continues to the next step.

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.

System Action: Log manager shutdown continues to the next step.

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.

System Action: Log manager shutdown continues to the next step.

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.

System Action: Log manager shutdown continues to the next step.

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 MACRO *xxx* FAILED IN LOG
TERMINATION, RC=*ccc***

Explanation: Log manager termination was passed a return code from the named macro that indicated an error.

System Action: Log manager termination processing continues.

System Programmer Response: If the problem persists, contact your IBM support center for assistance.

**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', queue manager startup continues. If 'N', startup is terminated.

Operator Response: Reply 'N' if the truncation is going to occur at an undesirable point. Reply 'Y' to continue the restart.

System Programmer Response: Run the change log inventory utility (CSQJU003) 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 the queue manager is to be cold started and that logging is to begin at the specified RBA.

System Action: If 'Y', queue manager startup continues. If 'N', startup is terminated.

Operator Response: Reply 'N' if the truncation is going to occur at an undesirable point. Reply 'Y' to continue the cold start.

System Programmer Response: Run the change log inventory utility (CSQJU003) to modify the conditional restart record.

**CSQJ247E *csect-name* I/O ERROR PROCESSING
BSDS ARCHIVE LOG RECORD, RC=*rc*
REASON=*reason***

Explanation: An input/output error occurred while processing a BSDS record. *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.

System Action: Startup is terminated.

System Programmer Response: For a return code of 4, if the problem persists, contact your IBM support centre for assistance. For a return code of 8, run an offline Access Method Services job to determine the cause of the VSAM error.

| **CSQJ250I** *csect-name* **DATA SET *dsname* HAS**
| **SHAREOPTIONS LESS THAN (2 3) –**
| **CF STRUCTURE RECOVERY NOT**
| **POSSIBLE**

| **Explanation:** An active log data set was detected with
| share options that do not permit CF structure recovery
| in a queue-sharing group environment. All active log
| data sets must have SHAREOPTIONS(2 3) at least to
| allow CF structure recovery.

| This can occur when the queue manager's own log
| data sets are checked during startup, or when a
| RECOVER CFSTRUCT command is issued that requires
| to access another queue manager's log data sets.

| **System Action:** If this is a result of a RECOVER
| CFSTRUCT command, the command is terminated.
| Otherwise, startup continues, but CF structure recovery
| will not be possible.

| **System Programmer Response:** If you want CF
| structure recovery, use the Access Method Services
| ALTER function to correct the SHAREOPTIONS for the
| data set; for example

| ALTER *dsname*.DATA SHAREOPTIONS(2 3)

| Then restart the queue manager that owns the data set.

| **CSQJ295D** **RESTART CONTROL INDICATES**
| **TRUNCATION AT LRSN *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 LRSN.

| **System Action:** If 'Y', queue manager startup
| continues. If 'N', startup is terminated.

| **Operator Response:** Reply 'N' if the truncation is
| going to occur at an undesirable point. Reply 'Y' to
| continue the restart.

| **System Programmer Response:** Run the change log
| inventory utility (CSQJU003) to modify the conditional
| restart record.

CSQJ301E *csect-name* **ERROR USING ONLINE**
 BOOTSTRAP DATA SET (ACTION
 CODE *a*)

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 by the code *a*:

- 1 Unable to OPEN the BSDS
- 2 Unable to read a required record from the
 BSDS
- 3 Unable to write a required record to the BSDS

4 The contents of the stable BSDS was
 successfully copied to the replacement BSDS;
 however, the queue manager was unable to
 successfully restore dual BSDS operation

System Action: If this message was received during
processing of the RECOVER BSDS command, then the
queue manager 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.

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=*dsname* ERROR STATUS=*eee*

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 z/OS dynamic allocation.

System Action: Processing of the command is
terminated. The queue manager continues in single
BSDS mode.

System Programmer 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.

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=*dsname* ERROR
 STATUS=*eee*

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 queue manager continues in single
BSDS mode.

System Programmer Response: Run 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 RECOVER BSDS command to reestablish dual BSDS mode.

**CSQJ304E ERROR CLOSING REPLACEMENT
 BSDS DSNNAME=*dsname* ERROR
 STATUS=*eee***

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.

System Action: Processing of the command is terminated. The queue manager continues in single BSDS mode.

System Programmer Response: Run 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 RECOVER BSDS command to reestablish dual BSDS mode.

**CSQJ305E REPLACEMENT BSDS NOT EMPTY
 DSNAME=*dsname***

Explanation: The RECOVER BSDS command was issued, but the replacement BSDS was not empty; that is, it contained data.

System Action: Processing of the command is terminated. The queue manager continues in single BSDS mode.

System Programmer Response: Run 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 RECOVER BSDS command to reestablish dual BSDS mode.

**CSQJ306I DUAL BSDS MODE ALREADY
 ESTABLISHED**

Explanation: The RECOVER BSDS command was issued, but the queue manager was already in dual BSDS mode.

System Action: The command is ignored.

**CSQJ307I LOG INITIALIZED IN SINGLE BSDS
 MODE**

Explanation: The RECOVER BSDS command was issued, but the queue manager was initialized in single BSDS mode.

System Action: Processing of the command is terminated. The queue manager continues in single BSDS mode.

**CSQJ308I LOG NOT OFFLOADED FOR
 ARCHIVE LOG COMMAND,
 ARCHIVING IS OFF**

Explanation: The ARCHIVE LOG command was issued, but archiving is off (that is, OFFLOAD is set to 'NO' in the CSQ6LOGP system parameters).

System Action: The current active log data set is not offloaded. However, it is truncated and logging continues using the next active log data set.

**CSQJ309I QUIESCING FOR ARCHIVE LOG
 COMMAND WITH WAIT(YES)
 STARTED FOR MAXIMUM OF *xxx*
 SECONDS**

Explanation: An ARCHIVE LOG command with the MODE(QUIESCE) and WAIT(YES) options has been accepted by the queue manager. The quiesce processing has commenced.

WAIT(YES) means that quiesce processing will be synchronous to the user; that is, the user can enter additional commands, but they will not be processed until the quiesce processing has ended.

System Action: The queue manager attempts to stop all updates to MQ resources within the time period specified in the message. Users and jobs using the queue manager 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 the queue manager following the initiation of the offload processing. If the queue manager can effectively block all users from performing updates before the maximum specified time, the offload is initiated immediately, and normal processing is resumed.

This message will be followed by message CSQJ311I or CSQJ317I.

Operator Response: No response is necessary. However, it can be expected that users and jobs using MQ resources will be suspended through the duration of the specified time interval, or until the queue manager 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 QUIESCING FOR ARCHIVE LOG
 COMMAND WITH WAIT(NO)
 STARTED FOR MAXIMUM OF *xxx*
 SECONDS**

Explanation: An ARCHIVE LOG command with the MODE(QUIESCE) and WAIT(NO) by the queue manager. The quiesce processing has commenced.

WAIT(NO) 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 queue manager will accept, and process, any new commands while the quiesce task is running.

System Action: The queue manager attempts to stop all updates to MQ resources within the time period specified in the message. Users and jobs using the queue manager 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 the queue manager following the initiation of the offload processing. If the queue manager can effectively block all users from performing updates before the maximum specified time, the offload is initiated immediately, and normal processing is resumed.

This message will be followed by message CSQJ311I or CSQJ317I.

Operator Response: No response is necessary. However, it can be expected that users and jobs using MQ resources will be suspended through the duration of the specified time interval, or until the queue manager 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 queue manager. A task to archive (offload) the active log data set has been started.

System Action: The current active log data sets will be truncated and switched to the next available active log data sets. The task has been started will archive the active log data sets asynchronously, allowing the queue manager to continue processing.

This message will be followed by the CSQJ312I message if the MODE(QUIESCE) option was used with the ARCHIVE LOG command.

Operator Response: 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 MQ 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.

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 'xxxx' for keyword *kwd* is not
in valid range**

Explanation: The parameter value specified on a command is outside the range that is valid for the named keyword.

System Action: Processing for the command is terminated.

Operator Response: See the *WebSphere MQ Script (MQSC) Command Reference* manual for information about the correct syntax of the command. Correct the command syntax, and re-enter the command.

CSQJ314E **Keyword *kwd1* requires keyword *kwd2* to
be specified too**

Explanation: A command was entered that specified the *kwd1* keyword. However, use of this keyword requires that the *kwd2* keyword is also used.

System Action: Processing for the command is terminated.

Operator Response: See the *WebSphere MQ Script (MQSC) 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.

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 ARCHIVE LOG command with the MODE(QUIESCE) option or a SUSPEND QMGR LOG command was issued 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.

System Action: Command processing will terminate. The system quiesce currently in progress will continue.

**CSQJ317I QUIESCE PERIOD EXPIRED WITH *nn*
OUTSTANDING URS AT *time*.
ARCHIVE LOG PROCESSING
TERMINATED**

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.

System Action: This message is for information only. The queue manager determined that *nn* 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 MQ resources will be commenced.

This message will be followed by the CSQJ312I message.

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 MQ 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 z/OS command DISPLAY ACTIVE,LIST.

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 the system parameters
- 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 queue manager. 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 queue manager 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 value in the CSQ6ARVP system parameters. See the *WebSphere MQ for z/OS System Setup 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.

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 queue manager to exhaust its available active log resources and immediately halt processing.

System Action: Processing for the command is terminated.

If the situation is not corrected, the queue manager 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 processing will stop until active log space is made available.

System Programmer 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, either correct the problem that is causing the offload problem, or add more active log data sets. Note that the latter action requires the queue manager to be inactive 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 queue manager 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.
- Insufficient active log space.

| **CSQJ320E** *csect-name* **UNABLE TO PROCESS LOG TRUNCATION REQUEST DUE TO INTERNAL ERROR. (ERROR DATA=ddd)**

| **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.

| **System Action:** Processing for the command is terminated.

| **System Programmer Response:** This is an internal error detected by the queue manager. The error might be caused by an unrelated error in the log buffer writer component (CSQJWxxx), by a STOP QMGR MODE(FORCE) command, or by abnormal termination. See any messages that precede this message.

| **CSQJ321E** **UNABLE TO CONTINUE ARCHIVE LOG QUIESCE DUE TO INTERNAL ERROR. ARCHIVE LOG PROCESSING TERMINATED**

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 MQ resources. During the internal interaction between the log manager and the recovery manager, an internal error occurred.

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.

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.

CSQJ322I **DISPLAY** *parm-type* **report ...**

Explanation: This message comprises part of the response to the DISPLAY and SYSTEM *parm-type* commands (where *parm-type* is SYSTEM, LOG, or ARCHIVE). It provides information about the corresponding system parameters as follows:

Parameter	Initial value	SET value
<i>parm-name</i>	<i>vvv</i>	<i>sss</i>
:		

End of *parm-type* **report**

where:

parm-name

is the name of the system parameter or subparameter.

vvv

is the value for the indicated parameter (specified in CSQ6SYSP, CSQ6LOGP, or CSQ6ARVP) used when the queue manager was started.

sss

is the value for the indicated parameter in use currently, as specified by a SET *parm-type* command. If *sss* is blank, the initial value is in use currently.

System Action: Processing continues.

CSQJ325I **ARCHIVE** *tape unit* **report ...**

Explanation: This message comprises part of the response to the DISPLAY and SET ARCHIVE commands. It provides information about tape units used for archive logging, as follows:

Addr	St	CorrelID	VolSer	DSName
<i>addr</i>	<i>st</i>	<i>correlid</i>	<i>volser</i>	<i>dsname</i>
:				

End of *tape unit* **report**

where:

addr

The physical address of a tape unit allocated to read the archive log.

st

The status of the tape unit:

- | | |
|----------|--|
| B | Busy, actively processing an archive log data set. |
| P | Premount, active and allocated for premounting. |
| A | Available, inactive and waiting for work. |
| * | Unknown. |

correlid The correlation ID associated with the user of the tape being processed; '*****' if there is no current user.

volser The volume serial number of the tape that is mounted.

dsname The data set name on the tape volume that is being processed or was last processed.

If no tape units are allocated, the list is replaced by:

No tape archive reading activity

System Action: Processing continues.

CSQJ330I ARCHIVE LOG VOLUMES required for connection-ID *xxxx*, correlation-ID *yyyyyy*: *v1*, *v2*, ...

Explanation: This message lists the names of the archive log volumes needed by the indicated correlation ID for the given connection ID. It is generated automatically by the archive read process at the first archive log tape mount for that correlation ID. The connection ID is an identifier representing the connection name used to establish the thread; the correlation ID is an identifier associated with a specified thread, such as a job name.

A volume name prefixed with an '*' signifies that the data on the archive log volume is also mapped by an active log data set. As such, the volume might not be required for the read process, because the data is read from the active log if possible.

If the report is completed successfully, it is terminated by:

End of ARCHIVE LOG VOLUMES report

System Action: Processing continues.

CSQJ334E Parameter value is unacceptable for keyword *kw*

Explanation: The parameter value specified is not an acceptable value for the named keyword.

System Action: Processing for the command is terminated.

Operator Response: See the *WebSphere MQ Script (MQSC) Command Reference* manual for information about the correct syntax of the command. Correct the command syntax, and re-enter the command.

CSQJ335E Invalid command syntax

Explanation: No keywords or an unacceptable combination of keywords was specified on a command.

System Action: Processing for the command is terminated.

Operator Response: See the *WebSphere MQ Script (MQSC) Command Reference* manual for information

about the correct syntax of the command. Correct the command syntax, and re-enter the command.

CSQJ337I *parm-type* parameters set

Explanation: The SET command completed successfully, setting system parameter values for the indicated *parm-type* (SYSTEM, LOG, or ARCHIVE).

CSQJ366I Logging already suspended

Explanation: A SUSPEND QMGR LOG command was issued, but logging was already suspended by a previous command.

System Action: The command is ignored.

CSQJ367I Queue manager stopping

Explanation: A SUSPEND QMGR LOG command was issued, but the queue manager is stopping.

System Action: The command is ignored.

CSQJ368I Logging not suspended

Explanation: A RESUME QMGR LOG command was issued, but logging was not suspended.

System Action: The command is ignored.

CSQJ369E *csect-name* Failure while suspending logging

Explanation: A SUSPEND QMGR LOG command was issued, but it terminated abnormally.

System Action: The command is ignored, and logging is not suspended.

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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

CSQJ370I LOG status report ...

Explanation: This message comprises part of the response to the DISPLAY and SET LOG commands. It provides information about the status of the log data sets, as follows:

```

Copy %Full DSName
  1   k   dsname
  2   k   dsname
Restarted at date time using RBA=sss
Latest RBA=rrr
Offload task is xxx
Full logs to offload – m of n

```

where:

- 1, 2** Information for the current active log copy 1 and copy 2 data sets respectively.
- k** The percentage of the active log data set that has been used.
- dsname** The data set name of the active log data set. If the copy is not currently active, this is shown as **Inactive**.
- date time** The time that the queue manager was started.
- sss** The RBA from which logging began when the queue manager was started.
- rrr** The RBA of the most recently written log record. If logging is suspended, this line is replaced by
Logging suspended at RBA=rrr
- xxx** The status of the offload task, which can be:
BUSY, allocating archive data set
This could indicate that a tape mount request is pending.
BUSY, copying BSDS
Copying the BSDS data set.
BUSY, copying active log
Copying the active log data set.
BUSY Other processing.
AVAILABLE
Waiting for work.
- m, n** The number of full active log data sets that have not yet been archived, and the total number of active log data sets.

System Action: Processing continues.

CSQJ372I Logging suspended for qmgr-name at RBA=rrr

Explanation: This is issued in response to a SUSPEND QMGR LOG command if it completed successfully.

It is also issued in response to other commands if logging is suspended, indicating that the command cannot be processed while logging is suspended.

System Action: All log update activity is suspended for the queue manager named. *rrr* is the RBA of the last log record written.

For commands other than SUSPEND QMGR LOG, the command is ignored.

System Programmer Response: Use the RESUME QMGR LOG command when ready to resume logging.

CSQJ373I Logging resumed for qmgr-name

Explanation: The RESUME QMGR LOG command completed successfully.

System Action: All log update activity is resumed for the queue manager named.

CSQJ401E 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.

System Action: Utility processing continues.

CSQJ404E kwd NOT ALLOWED FOR oper OPERATION

Explanation: An invalid keyword was used during the *oper* operation.

System Action: The current utility processing is terminated.

CSQJ405E KEYWORDS kwd1 AND kwd2 CANNOT BOTH BE SPECIFIED

Explanation: Keywords *kwd1* and *kwd2* cannot appear on the same control statement.

System Action: The current utility processing is terminated.

Operator Response: Correct the control statement and rerun the utility.

CSQJ406E EITHER KEYWORD kwd1 OR kwd2 MUST BE SPECIFIED

Explanation: A required keyword was not used on the control statement. Use either *kwd1* or *kwd2* with the attempted control statement type.

System Action: The current utility processing is terminated.

Operator Response: Correct the control statement and rerun the utility.

CSQJ407E 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.

System Programmer Response: The last 100 checkpoints are recorded in the BSDS, including the log STARTRBA and log ENDRBA of the checkpoint range. The utility attempts to locate a valid checkpoint in the range. In this case the utility was unsuccessful in finding a valid checkpoint.

Use the Print Log Map Utility (CSQJU004) to determine the valid RBA ranges, and rerun the job with a suitable RBA specification.

CSQJ408I 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 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.

System Action: The current utility processing is terminated. This message is accompanied by message CSQJ212E.

System Programmer Response: Determine the cause of the error based on the error status information provided in message CSQJ212E.

CSQJ410E 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.

System Action: The current utility processing is terminated. This message is accompanied by message CSQJ213E.

System Programmer Response: Determine the cause of the error based upon the error status information provided in message CSQJ213E.

CSQJ411I CRESTART CREATE FOR CRCRID=*yyyyy*, DDNAME=*ddd*

Explanation: A CRESTART CREATE request has just completed. *yyyyy* is the restart control record hexadecimal identifier and *ddd* is the BSDS data set (SYSUT1 or SYSUT2) associated with the request.

System Action: Current utility processing continues.

System Programmer Response: Note the record identifier for future reference.

CSQJ412E 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.

System Programmer Response: None necessary, if CANCEL was the intended action. Otherwise, correct the control statement and rerun the utility.

CSQJ413E 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.

System Programmer 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 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.

System Programmer Response: No additional actions are required if a cold start of the queue manager 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 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.

System Programmer 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.

System Action: Current utility processing continues.

System Programmer 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 *xxxx* PARAMETER FOR *oper* OPERATION IS MISSING

Explanation: Required parameter *xxxx* for a log utility operation was missing from the log utility control statement. The attempted operation is *oper*.

System Action: The log utility *oper* operation does not perform its function. All subsequent log utility control statements are processed. A nonzero return code is issued by the utility.

System Programmer 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=*sss* ENDRBA=*ttt*

Explanation: The data set name specified on the DSNAME parameter of the change log inventory utility DELETE statement was a NOTREUSABLE active log.

System Action: The change log inventory utility processing continues. It will terminate with a return code of 4.

System Programmer 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 CRESTART CANCEL FOR CRCRID=*yyyy*, DDNAME=*ddd*

Explanation: A CRESTART CANCEL request has just completed. *yyyy* is the restart control record hexadecimal identifier and *ddd* is the BSDS data set (SYSUT1 or SYSUT2) associated with the request.

System Action: Current utility processing continues.

System Programmer Response: Note the record identifier for future reference.

CSQJ425E INVALID VALUE OR FORMAT FOR *xxxx* PARAMETER (YYYYDDHHHMSST)

Explanation: The *xxxx* parameter contains an incorrect value or incorrect format for the date and time.

System Action: The current utility is terminated.

System Programmer 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. Therefore, the ENDTIME value must be equal to or greater than STARTIME value.

System Action: The current utility is terminated.

System Programmer 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=*sss* ENDRBA=*ttt*

Explanation: The checkpoint record specified has been deleted from the checkpoint queue in the BSDS. *sss* and *ttt* 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.

System Programmer 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.

System Programmer 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.

System Programmer 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 *kwd* VALUE MUST END WITH 'xxx'

Explanation: The value specified for keyword *kwd* is not valid. It must end with 'xxx'.

System Action: The current utility is terminated.

System Programmer Response: Correct the control statement and rerun the utility.

**CSQJ440I *csect-name* IBM WebSphere MQ for z/OS
version**

Explanation: This message is issued as part of the header to reports issued by the utility programs.

**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.

**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.

**CSQJ491I *csect-name* Log Data Set Preformatter
Utility – *date time***

Explanation: This message is issued as a header to the report issued by the utility program.

CSQJ492I Log data set name = *dsname*

Explanation: This identifies the name of the log data set to be preformatted.

CSQJ493I Log data set is not VSAM

Explanation: The input log data set is not a VSAM data set.

System Action: Utility processing is terminated.

System Programmer Response: Check that the SYSUT1 DD statement and the data set name is specified correctly. Use Access Method Services to define the data set as a VSAM linear data set.

CSQJ494E VSAM OPEN failed, ACBERRFLG=*ee*

Explanation: Opening the log data set failed with the indicated ACB error code.

System Action: Utility processing is terminated if the error code is 128 or more; otherwise processing continues.

System Programmer Response: See the *DFSMS/MVS Macro Instructions for Data Sets* for information about the VSAM error code.

**CSQJ495E VSAM PUT failed, RPLERREG=*ee*
reason code=*reason***

Explanation: Writing the log data set failed with the indicated RPL error code and reason code.

System Action: Utility processing is terminated.

System Programmer Response: See the *DFSMS/MVS Macro Instructions for Data Sets* for information about the VSAM error code and reason code.

CSQJ496I **Log preformat completed successfully, *n* records formatted**

Explanation: The active log data set has been preformatted successfully.

System Action: Utility processing is complete.

CSQJ497I **Log preformat terminated**

Explanation: Preformatting the active log data set did not complete successfully.

System Action: Utility processing is terminated.

System Programmer Response: See the preceding error messages for more information.

CSQJ498I **Log data set is not empty**

Explanation: The input log data set is not an empty data set.

System Action: Utility processing is terminated.

System Programmer Response: Check that the SYSUT1 DD statement and the data set name is specified correctly. Use Access Method Services to define the data set as a VSAM linear data set.

Chapter 6. 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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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 |

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.

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).

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.

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.

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.

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.

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.

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.

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.

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.

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.

Severity: 4

System Action: The copy or create command is ignored, and the panel is redisplayed.

Operator Response: See the *WebSphere MQ 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.

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.

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 retrigged before the errors have been corrected.

Severity: 8

System Action: The channel ends.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqr*c 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.

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.

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.

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.

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.

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 *mqr*c 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*.

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 *mqr*c 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*.

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.

Severity: 8

System Action: The request is ignored.

CSQK465I *cics-applid csect-name* **New settings not saved. Record updated since display**

Explanation: MQ is unable to save your changes because another user has changed the channel definition since you displayed the Alter panel.

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 MQ.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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 queue
manager

Explanation: An MQINQ call to the queue manager to find the CCSID (coded character set identifier) was unsuccessful.

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.

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: MQ was unable to allocate a session to the remote system.

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.

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.

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.

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.

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.

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.

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 active?

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.

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.

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.

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 *mqcc*.

CSQK490I *cics-applid csect-name* **Channel is not active**

Explanation: A stop command has been entered, but the channel is not active.

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.

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.

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=mqcc MQRC=mqrc

Explanation: The *command* command was unsuccessful because the indoubt status of the target system was not available.

Severity: 8

System Action: The panel is redisplayed.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqcc* and *mqrc* to determine the reason for the problem.

CSQK494E *cics-applid csect-name command failed because queue manager call failed.*
MQCC=mqcc MQRC=mqrc

Explanation: The *command* command was unsuccessful because the corresponding call to the queue manager failed.

Severity: 8

System Action: The panel is redisplayed.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqcc* and *mqrc* to determine the reason for the problem.

CSQK500A *cics-applid csect-name trans-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.

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 MQ was unable to read the channel definition from the CICS file.

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.

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.

Severity: 0

CSQK504I *cics-applid csect-name* **Channel** *channel-name* **stopped**

Explanation: Channel *channel-name* has stopped. Preceding messages give the reason for this.

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.

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.

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 distributed queuing component only supports protocol level 1.

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

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.

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.

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.

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 *WebSphere MQ Intercommunication* manual for information about resolving the MQ unit of recovery associated with the in-doubt CICS unit of work.

CSQK516A *cics-applid csect-name* **number indoubt**
LUIDs 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.

Severity: 12

System Action: The channel does not start.

System Programmer Response: See the *WebSphere MQ Intercommunication* manual for information about resolving the MQ unit of recovery associated with the in-doubt CICS unit of work.

CSQK517I *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.

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.

CSQK518I *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.

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 MQ 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.

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.

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.

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 *WebSphere MQ 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.

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.

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.

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, MQ 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.

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.

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 nottrigger.

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.

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.

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

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.

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 *WebSphere MQ Intercommunication* manual for information about resolving the MQ 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.

Severity: 8

System Action: The channel ends.

System Programmer Response: Reset the channel sequence numbers to resolve the problem. See the *WebSphere MQ 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.

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.

Severity: 4

System Action: The channel stops. The transmission queue is set to not trigger.

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*.

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.

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.

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.

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.

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.

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.

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 *WebSphere MQ Intercommunication* manual for information about resolving the MQ 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 LUWIDs in question, as follows:

exp-luwid

The last LUWID committed

rec-luwid

The LUWID received

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).

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.

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.

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.

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 *WebSphere MQ 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.

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 *mqrc* 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.

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 CSQK515I, CSQK548A, and CSQK550A, giving the sequence numbers in question.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.)

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.

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.

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.

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.

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.

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.

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.

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.

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 MQMD description in the *WebSphere MQ 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.

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.

Severity: 0

CSQK573I *cics-applid csect-name* **CorrelId=*correl-id***

Explanation: This message follows message CSQK570I. *correl-id* is the correlation identifier of the message in question.

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.

Severity: 0

CSQK575I *cics-applid csect-name* **Invalid strucid *strucid* 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 *strucid*, not XQH.

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.

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.

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.

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.

Severity: 8

System Action: The channel abends with one of the following 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 *WebSphere MQ 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.

Severity: 4

System Action: The channel abends with one of the following 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.

Severity: 8

System Action: The channel abends with one of the following 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 *WebSphere MQ 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.

Severity: 8

System Action: The channel abends with one of the following 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 *WebSphere MQ 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.

Severity: 8

System Action: The channel abends with one of the following 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 *WebSphere MQ 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.

Severity: 8

System Action: The channel abends with one of the following 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 *WebSphere MQ 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

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.

Severity: 8

System Action: The channel abends with one of the following 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 *WebSphere MQ 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*).

Severity: 8

System Action: The channel abends with one of the following 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 *WebSphere MQ 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.

Severity: 8

System Action: The channel abends with one of the following 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 *WebSphere MQ 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.

Severity: 8

System Action: The channel abends with one of the following 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 *WebSphere MQ 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.

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.

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.

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 *WebSphere MQ Intercommunication*

manual for information about valid channel definition types.

CSQK602A *cics-applid csect-name* **Partner detected protocol error 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

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* **Queue manager quiescing. Channel** *channel-name* **will stop**

Explanation: The channel has detected that either:

- The queue manager is quiescing
- The connection is quiescing

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.

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.

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.

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.

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.

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).

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.

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.

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.

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.

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.

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*.

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 ended abnormally 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.

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

*mqr*c give the reason for the problem.

Severity: 8

System Action: The channel stops.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqr*c and *mqr*c.

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.

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.

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 MsgId and CorrelId was found on the sequence number queue.

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.

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=*mqr*c MQRC=*mqr*c**

Explanation: An MQOPEN call has been unable to open a queue.

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 *mqr*c and *mqr*c 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.

Severity: 0

System Action: Processing continues.

CSQK905A *cics-applid csect-name* **MQINQ failed. MQCC=*mqr*c MQRC=*mqr*c**

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.

Severity: 8

System Action: The channel terminates.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqr*c and *mqr*c 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.

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.

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 MQ CICS adapter cannot commit this unit of work.

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 MQ CICS adapter (CSQCxxx) to determine the cause of the problem.

CSQK915A *cics-applid csect-name* **Cannot back out luwid-idnode.luwid-uow**

Explanation: The MQ CICS adapter cannot back out this unit of work.

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 MQ CICS adapter (CSQCxxx) 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.

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 MQ CICS adapter is unable to provide an address pointing to the in-doubt units of work.

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.

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.

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.

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.

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.

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.

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.

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 nottrigger.

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=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 CSQK923I, indicating the name of the queue in question.

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 *mqcc* and *mqrc* 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 queue manager*

Explanation: A dead-letter queue is required by the distributed queuing component, but one has not been defined.

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**.

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**.

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.

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 XMITQ**

Explanation: The queue defined as the transmission queue in the channel definition is not of type XMITQ.

Severity: 8

System Action: The channel ends.

System Programmer Response: Investigate why a queue of the wrong type was specified.

Chapter 7. Message manager messages (CSQM...)

CSQM050I *csect-name* **Intra-group queuing agent starting, TCB=*tcb-name***

Explanation: The intra-group queuing (IGQ) agent was started during the initialization of a queue manager that is in a queue-sharing group. The agent uses TCB *tcb-name*.

The IGQ agent handles
SYSTEM.QSG.TRANSMIT.QUEUE.

Severity: 0

System Action: Processing continues. The IGQ agent starts asynchronously.

CSQM051I *csect-name* **Intra-group queuing agent stopping**

Explanation: The intra-group queuing (IGQ) agent is stopping because:

- the queue manager is stopping
- it has retried a failing request repeatedly without success
- it was unable to recover from an abnormal ending

Severity: 0

System Action: The IGQ agent stops.

System Programmer Response: If the queue manager is not stopping, investigate the cause of the error as reported in the preceding messages. To restart the IGQ agent, issue an ALTER QMGR command specifying IGQ(ENABLED).

CSQM052I *csect-name* **Shared channel recovery completed for *qmgr-name*, *n* channels found, *p* FIXSHARED, *r* recovered**

Explanation: The queue manager successfully recovered some shared channels that were owned by queue manager *qmgr-name* in the queue-sharing group when it or its channel initiator terminated abnormally. This recovery process may occur when:

- another queue manager or its channel initiator terminates abnormally
- the channel initiator is started, for channels that were owned by other queue managers
- the channel initiator is started, for channels that were owned by itself

n channels were found that needed recovery, of which *p* were originally started as FIXSHARED. The number recovered, *r*, may be less than *n* (or even 0) because other active queue managers are also recovering the channels and because FIXSHARED channels cannot be recovered by another queue manager.

| See the *WebSphere MQ Intercommunication* manual for more information about shared channel recovery.

Severity: 0

System Action: Processing continues.

CSQM053E *csect-name* **Shared channel recovery terminated, DB2 not available**

Explanation: Because DB2 is not available or no longer available, the queue manager was unable to recover some shared channels that were owned by a queue manager in the queue-sharing group when it or its channel initiator terminated abnormally. This recovery process may occur when:

- another queue manager or its channel initiator terminates abnormally
- the channel initiator is started, for channels that were owned by other queue managers
- the channel initiator is started, for channels that were owned by itself

Severity: 8

System Action: The recovery process is terminated; some channels may have been recovered, while others have not.

System Programmer Response: Use the preceding messages on the z/OS console to investigate why DB2 is not available, and restart it if necessary. Any channels that were not recovered will be recovered when the recovery process next runs; alternatively, they can be restarted manually.

CSQM054E *csect-name* **Shared channel recovery terminated, error accessing DB2**

Explanation: Because there was an error in accessing DB2, the queue manager was unable to recover some shared channels that were owned by a queue manager in the queue-sharing group when it or its channel initiator terminated abnormally. This recovery process may occur when:

- another queue manager or its channel initiator terminates abnormally
- the channel initiator is started, for channels that were owned by other queue managers
- the channel initiator is started, for channels that were owned by itself

Severity: 8

System Action: The recovery process is terminated; some channels may have been recovered, while others have not.

System Programmer Response: Resolve the error

reported in the preceding messages. Any channels that were not recovered will be recovered when the recovery process next runs; alternatively, they can be restarted manually.

CSQM055E *csect-name* **Shared channel recovery terminated, error putting command, reason=mqrc**

Explanation: Because there was an error putting a message on the system-command input queue, the queue manager was unable to recover some shared channels that were owned by a queue manager in the queue-sharing group when it or its channel initiator terminated abnormally. This recovery process may occur when:

- another queue manager or its channel initiator terminates abnormally
- the channel initiator is started, for channels that were owned by other queue managers
- the channel initiator is started, for channels that were owned by itself

Severity: 8

System Action: The recovery process is terminated; some channels may have been recovered, while others have not.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqrc*, and resolve the error. Any channels that were not recovered will be recovered when the recovery process next runs; alternatively, they can be restarted manually.

CSQM056E *csect-name mqapi-call* **failed for queue q-name, reason=reason**

Explanation: The indicated MQ API call for the named queue, failed for the specified reason, which may be an MQ reason code (MQRC_) or a signal completion code (MQEC_).

Severity: 8

System Action: If the queue is SYSTEM.ADMIN.CONFIG.EVENT, processing continues but configuration events are not generated; message CSQM071E follows to show how many event messages have not been generated since the problem first occurred. These messages are generated on the first occurrence of the problem, and at intervals thereafter while the problem persists.

For other queues, it is the intra-group queuing (IGQ) agent that issued the call. Depending on the queue involved and the type of error, it may continue processing, retry the request at regular intervals until the error is corrected, or terminate.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about MQ reason codes or the *WebSphere MQ*

Application Programming Reference manual for information about signal completion codes. Correct the problem with the queue, or use the ALTER QMGR command to disable configuration events or the IGQ agent if the function is not required.

CSQM059E *csect-name* **Queue q-name has incorrect attributes**

Explanation: The named queue, used by the intra-group queuing (IGQ) agent, has incorrect attributes. For example, SYSTEM.QSG.TRANSMIT.QUEUE must have attributes USAGE(XMITQ), INDXTYPE(CORRELID), QSGDISP(SHARED).

Severity: 8

System Action: The IGQ agent retries at regular intervals until the error is corrected.

System Programmer Response: Redefine the queue with the correct attributes.

CSQM060E *csect-name* **Cluster information area is full**

Explanation: No more space is available in the clustering information area.

Severity: 8

System Action: The application call that resulted in the need for more space will fail with MQRC_CLUSTER_RESOURCE_ERROR. Processing continues, and existing users of clustering will be unaffected unless their actions are such as to need more clustering information space.

System Programmer Response: The problem may be temporary. If it persists, the queue manager must be restarted; this will cause more space to be allocated for the clustering information area.

CSQM064I *csect-name* **Intra-group queuing agent put messages to dead-letter queue**

Explanation: The intra-group queuing (IGQ) agent was unable to deliver some messages to the required destination queue, so has put them on the dead-letter queue.

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.

CSQM065E *csect-name mqapi-call failed for queue q-name, reason=reason*

Explanation: The indicated MQ API call failed for the specified reason, which is an MQ reason code (MQRC_).

Severity: 8

System Action:

It is the intra-group queuing (IGQ) agent that issued the call; it was unable to commit or backout a batch of messages for the specified reason. Depending on the type of error, it may retry the request at regular intervals until the error is corrected, or terminate.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about MQ reason codes. Correct the problem if required.

CSQM067E *csect-name Intra-group queuing agent ended abnormally. Restarting*

Explanation: The intra-group queuing (IGQ) agent has ended abnormally because a severe error occurred, as reported in the preceding messages.

Severity: 8

System Action: The IGQ agent attempts to restart a number of times. If it fails persistently, it terminates.

System Programmer Response: Investigate the reason for the abnormal termination, as reported in the preceding messages.

CSQM070E *csect-name Configuration event queue available again, n messages not generated*

Explanation: An earlier problem with putting messages on the configuration event queue has been corrected. *n* is the number of event messages that have not been generated since the problem first occurred.

Severity: 4

System Action: Processing continues and configuration events will be generated again.

System Programmer Response: If complete configuration information is required, use the REFRESH QMGR TYPE(CONFIGEV) command to generate events to replace those that were not generated; specify the INCLINT parameter to cover the period when the problem was occurring.

CSQM071E *csect-name Configuration event queue unavailable, n messages not generated*

Explanation: There was an error putting a message on the configuration event queue, as reported in the preceding CSQM056E message; *n* is the number of

event messages that have not been generated since the problem first occurred.

Severity: 8

System Action: Processing continues but configuration events are not generated. These messages are generated on the first occurrence of the problem, and at intervals thereafter while the problem persists.

System Programmer Response: Correct the problem with the configuration event queue, or use the ALTER QMGR command to set the CONFIGEV attribute to DISABLED if configuration events are not required.

CSQM084I *csect-name COMMAND INHIBITED DURING RESTART/TERMINATION*

Explanation: A command that will affect a recoverable object has been requested either too early in queue manager startup, or too late in termination.

The usual reason for receiving this message is that some prohibited command has been issued in the initialization input data set CSQINP1.

Severity: 8

System Action: Message CSQM085I is also issued and the command is ignored.

System Programmer Response: Wait until the queue manager is in a state where it is possible to reissue the prohibited commands. If appropriate, 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.

Severity: 8

System Action: The command is not actioned.

System Programmer Response: Wait until the queue manager 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 restart, the creation of the queue manager object has failed. The reason code is of the form ‘00D4xxx’.

Severity: 8

System Action: The queue manager fails to restart.

System Programmer Response: Refer to Chapter 32, “Message manager codes (X'D4)”, on page 345 for an explanation of the reason code, and what action to take. Reissue the START QMGR command to restart the

queue manager. If the error persists note this reason code, and contact your IBM support center.

CSQM090E *csect-name* **FAILURE REASON CODE**
reason-code

Explanation: A command has failed. The reason code is of the form '00D4xxx'. This message is accompanied by one or more other more specific messages, which indicate the reason for the failure.

Severity: 8

System Action: The command is ignored.

System Programmer Response: See the explanations of the accompanying messages for more information. Refer to Chapter 32, "Message manager codes (X'D4)", on page 345 for an explanation of the reason code, and what action to take. If the reason code is not one of those listed, make a note of it and contact your IBM support center.

CSQM091E *csect-name* **FAILURE MQRC=***mqr**c*

Explanation: A command has failed. The reason code is an MQ reason code. This message is accompanied by one or more other more specific messages, which indicate the reason for the failure.

Severity: 8

System Action: The command is ignored.

System Programmer Response: See the explanations of the accompanying messages for more information. Refer to Appendix A, "API completion and reason codes" for an explanation of *mqr**c*, and what action to take.

CSQM092I *csect-name keyword(value)* **VALUE RANGE ERROR**

Explanation: A numeric parameter is out of range on a command.

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 *WebSphere MQ Script (MQSC) 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 *WebSphere MQ Script (MQSC) Command Reference* manual for information about validation required for the name in question to correct this.

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 *WebSphere MQ Script (MQSC) Command Reference* manual.

CSQM094I *csect-name keyword(value)* **WAS NOT FOUND**

Explanation: A command has been issued that refers to an object that does not exist. That is, no object could be found with the specified name and type (and subtype, for queues and channels) and with any disposition in the queue-sharing group.

Severity: 8

System Action: The command is ignored.

System Programmer Response: Check that you specified the correct name for the object, and the correct subtype (for queues and channels). If a queue-sharing group is in use, check that DB2 is available. Define the object if necessary.

Notes:

1. If you are dealing with a queue or channel object, an object of the same name, but of a different subtype, might already exist.
2. Remember that the object might have recently been deleted by someone else, or from another queue manager in the queue-sharing group.

CSQM095I *csect-name keyword(value)* **ALREADY EXISTS**

Explanation: A DEFINE command has been issued, but an object of that type with the specified name already exists, although it might not necessarily have the same subtype, or the same disposition in the queue-sharing group. (You cannot have a locally-defined object and a local copy of a group object with the same name; for local queues, you cannot have a shared queue with the same name as a queue with any other disposition.)

Severity: 8

System Action: The command is ignored.

System Programmer Response: Reissue the command with another name or with the REPLACE option, or use the existing object, as appropriate.

CSQM096I *csect-name keyword(value)* **NAME HAS INVALID LENGTH**

Explanation: A name has been specified that is of an incorrect length.

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 *WebSphere MQ Script (MQSC) 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.

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 *WebSphere MQ Script (MQSC) Command Reference* manual.

CSQM098I *csect-name keyword(value)* **FIELD TOO LONG**

Explanation: Either a numeric or character parameter has been specified but it is too long, or (if *value* is blank) a list of character parameters has been specified whose total length is too long.

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 *WebSphere MQ Script (MQSC) 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, although it might not necessarily have the same disposition in the queue-sharing group. (You cannot have a locally-defined object and a local copy of a group object with the same name; for local queues, you cannot have a shared queue with the same name as a queue with any other disposition.)

Severity: 8

System Action: The command is ignored.

System Programmer Response: Reissue the command with the correct name and subtype. For more information about the command, see the *WebSphere MQ Script (MQSC) Command Reference* manual.

CSQM100I *csect-name keyword(value)* **VALUE INVALID OR OUT OF RANGE**

Explanation: Either a keyword has been entered that can take a series of character values but the value specified is not one of them, or a keyword has been entered that can take a bounded numeric value but the

value specified is outside the bounds.

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 *WebSphere MQ Script (MQSC) 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 it is a CF structure, there is a queue defined as using the CF structure, and there are messages currently on the queue or the queue is open.
- When altering the index type of a queue, the necessary conditions regarding messages and uncommitted activity are not satisfied.
- 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 MQ.

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, or the intra-group queuing (IGQ) agent, 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 of the ALTER command to overcome the situations that cause this message.

For more information about the command, see the *WebSphere MQ Script (MQSC) Command Reference* manual.

CSQM103I *csect-name keyword(value)*
**QSGDISP(disposition) 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.

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. If the queue is a local copy of a group object, you must issue the request specifying PURGE explicitly for the local copy; specifying PURGE on the request to delete the group object has no effect.

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.

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.

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.

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.

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)* **NOT
ALLOWED, INCOMPATIBLE NAME
AND TYPE**

Explanation: An attempt was made to issue a DEFINE command on a reserved object name, 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.CONFIG.EVENT SYSTEM.ADMIN.PERFM.EVENT SYSTEM.ADMIN.QMGR.EVENT
Alias queue	SYSTEM.DEFAULT.ALIAS.QUEUE
Local queue	SYSTEM.CHANNEL.COMMAND SYSTEM.CHANNEL.INITQ 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 SYSTEM.QSG.CHANNEL.SYNCQ SYSTEM.QSG.TRANSMIT.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

Type	Object
Authentication information	SYSTEM.DEFAULT.AUTHINFO.CRLLDAP
Namelist	SYSTEM.DEFAULT.NAMELIST
Process	SYSTEM.DEFAULT.PROCESS
Storage class	SYSTEMST

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 queue manager restart, because an error occurred whilst attempting to delete it. *mqr* gives the reason code for the error.

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. The most likely reason codes are:

- MQRC_OBJECT_IN_USE
- MQRC_PAGESET_ERROR
- MQRC_Q_NOT_EMPTY

CSQM110I *csect-name keyword(value)*
QSGDISP(disposition) HAS
INCOMPLETE UNITS OF RECOVERY

Explanation: A command has been issued that refers to a local queue that has incomplete units of recovery outstanding for it.

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 issue the command again.

CSQM111E *csect-name* **COULD NOT PUT TO THE**
DEAD QUEUE, REASON=*mqr*

Explanation: An attempt to put a message to the dead letter queue was unsuccessful. *mqr* gives the reason code for the error.

Severity: 4

System Action: Processing continues.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqr* to determine the cause of the problem.

CSQM112E *csect-name* **ERROR ACCESSING**
keyword(value)

Explanation: While processing a command for an object, object information could not be accessed. This may be because of an error on page set zero, or in the coupling facility information, or because a coupling facility structure has failed, or because DB2 is not available. This message is issued with message CSQM090E or CSQM091E, which include a reason code that gives more information about the error.

Severity: 4

System Action: The command is ignored.

System Programmer Response: Check for error messages on the console log that might relate to the problem. Verify that page set zero is set up correctly; refer to the *WebSphere MQ for z/OS System Administration Guide* for information about this. If a queue-sharing group is in use, check whether the coupling facility structure has failed and check that DB2 is available. If the accompanying message is CSQM091E, refer to Appendix A, “API completion and reason codes” for an explanation of the *mqr* in that message, and what action to take.

CSQM113E *csect-name* **NO SPACE FOR**
keyword(value) **QSGDISP(disposition)**

Explanation: A command failed because page set zero is full, or because the application structure is full, or because no more application structures are available in the coupling facility (the limit is 63).

Severity: 8

System Action: The command is not actioned.

System Programmer Response: Do one of the following, depending on the cause of the error:

- Increase the size of page set zero or the application structure. Refer to the *WebSphere MQ for z/OS System Administration Guide* for information about how to do this.
- Reduce the number of application structures you are using.

CSQM114E *csect-name keyword(value)* **EXCEEDED**
LOCAL QUEUE LIMIT

Explanation: A command failed because no more local queues could be defined. There is an implementation limit of 524 287 for the total number of local queues that can exist. For shared queues, there is a limit of 512 queues in a single coupling facility structure.

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, ALTER WITH 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.

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, or the intra-group queuing (IGQ) agent, 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.
- Use the ALTER 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 *WebSphere MQ Script (MQSC) Command Reference* manual.

CSQM117E *csect-name* **ERROR ACCESSING** *keyword(value)* **QSGDISP(disposition)**

Explanation: While processing a command for an object, object information could not be accessed. This may be because of an error on page set zero, or in the coupling facility information, or because a coupling facility structure has failed, or because DB2 is not available. This message is issued with message CSQM090E or CSQM091E, which include a reason code that gives more information about the error.

Severity: 4

System Action: The command is ignored.

System Programmer Response: Check for error messages on the console log that might relate to the problem. If *disposition* is QMGR, COPY, or PRIVATE, verify that page set zero is set up correctly; refer to the

WebSphere MQ for z/OS System Administration Guide for information about this. If *disposition* is GROUP or SHARED, check whether the coupling facility structure has failed and check that DB2 is available. If the accompanying message is CSQM091E, refer to Appendix A, "API completion and reason codes" for an explanation of the *mqrc* in that message, and what action to take.

CSQM118I *csect-name keyword(value)* **QSGDISP(disposition) LEVEL IS INCOMPATIBLE**

Explanation: The definition level of the specified object is incompatible with that of the queue manager or other members of the queue-sharing group.

System Action: Processing of the command is terminated.

System Programmer Response: See the *WebSphere MQ for z/OS Concepts and Planning Guide* and the *WebSphere MQ for z/OS System Setup Guide* for information about migration and compatibility between releases.

CSQM119I *csect-name keyword(value)* **LEVEL IS INCOMPATIBLE**

Explanation: The definition level of the specified object is incompatible with that of the queue manager or other members of the queue-sharing group.

System Action: Processing of the command is terminated.

System Programmer Response: See the *WebSphere MQ for z/OS Concepts and Planning Guide* and the *WebSphere MQ for z/OS System Setup Guide* for information about migration and compatibility between releases.

CSQM120I *csect-name keyword(value)* **NOT ALLOWED FOR SHARED QUEUE**

Explanation: The specified value for the object name or attribute is not allowed for a local queue whose disposition is shared or a model queue used to create a dynamic queue that is shared.

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command correctly.

CSQM121I *csect-name keyword(value)* **NOT ALLOWED, NOT IN QUEUE-SHARING GROUP**

Explanation: The specified value for the attribute requires a queue-sharing group, but the queue manager is not in a group.

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command correctly.

CSQM122I *csect-name 'verb-name object'* **COMPLETED FOR QSGDISP(disposition)**

Explanation: Processing for the specified command that refers to an object with the indicated disposition has completed successfully.

Severity: 0

System Action: A command is generated specifying CMDSCOPE(*) to perform further processing on all queue managers in the queue-sharing group. For example, if *disposition* is GROUP, the corresponding processing must be performed for local copies of the group object.

CSQM123I *csect-name keyword* **VALUE CANNOT BE CHANGED**

Explanation: The value for the specified attribute cannot be changed.

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: To change the attribute, the object must be deleted and then redefined with the new value.

CSQM124I *csect-name keyword(value)* **ALLOWED ONLY WITH QSGDISP(disposition)**

Explanation: The specified value for the attribute is allowed only for an object that has the indicated disposition.

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command correctly.

CSQM125I *csect-name keyword(value)* **QSGDISP(disposition) WAS NOT FOUND**

Explanation: A command has been issued that refers to an object that does not exist. That is, no object could be found with the specified name and type (and subtype, for queues and channels) and disposition in the queue-sharing group.

Severity: 8

System Action: The command is ignored.

System Programmer Response: Check that you specified the correct name for the object, and the correct subtype (for queues and channels) or channel definition table (for deleting channels). If *disposition* is GROUP or SHARED, check that DB2 is available. Define the object if necessary.

Notes:

1. An object of the same name and type, but of a different disposition, might already exist.
2. If you are dealing with a queue or channel object, an object of the same name, but of a different subtype, might already exist.
3. Remember that the object might have recently been deleted by someone else, or from another queue manager in the queue-sharing group.

CSQM126I *csect-name keyword* **KEYWORD ONLY APPLICABLE TO LU62 PROTOCOL**

Explanation: The named keyword can only be specified when TRPTYPE(LU62) is specified.

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 OR WRONG TYPE**

Explanation: A namelist used to specify a list of clusters has no names in it or does not have type CLUSTER or NONE.

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command specifying a namelist that is not empty and has type CLUSTER or NONE.

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.

Severity: 8

System Action: In general, the command is not actioned. If the command was REFRESH QMGR for configuration events, it may be partially completed as indicated by the preceding CSQM169I messages.

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**

Explanation: The command (or the command with the particular disposition) cannot be used with the named channel because it cannot be used for channels of that type.

Severity: 8

System Action: The command is not actioned.

System Programmer Response: Check that the correct channel name and disposition was specified on the command. For more information about the command, see the *WebSphere MQ Script (MQSC) Command Reference* manual.

CSQM130I *csect-name* **CLUSTER REQUEST QUEUED**

Explanation: Initial processing for a command has completed successfully. The command requires further action by the cluster repository manager, for which a request has been queued.

This message is followed by message CSQ9022I to indicate that the command has completed successfully, in that a request has been sent. It does **not** indicate that the cluster request has completed successfully. Such requests are processed asynchronously by the cluster repository manager; any errors are reported to the z/OS console, not to the command issuer.

Severity: 0

System Action: A request has been queued for the cluster repository manager, which will process it asynchronously.

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.

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.

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.

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: Initial processing for a command has completed successfully. The command requires further action by the channel initiator, for which a request has been queued. Messages reporting the success or otherwise of the action will be sent to the command issuer subsequently.

Severity: 0

System Action: A request has been queued for the channel initiator. Further messages will be produced when the command has been completed.

CSQM135I *csect-name* **NO CHANNEL INITIATOR AVAILABLE**

Explanation: A command was issued for a shared channel, but there was no suitable channel initiator available for any active queue manager in the queue-sharing group. This could be because:

- no channel initiators are running
- the channel initiators that are running are too busy to allow any channel, or a channel of the particular type, to be started

Severity: 8

System Action: The command is not actioned.

System Programmer Response: Start a new channel initiator (on an active queue manager where there is no channel initiator running), or try again when there are fewer channels running.

CSQM137I *csect-name command keyword* **COMMAND ACCEPTED**

Explanation: Initial processing for a command has completed successfully. The command requires further action by the channel initiator, for which a request has been queued. Messages reporting the success or otherwise of the action will be sent to the command issuer subsequently.

Severity: 0

System Action: A request has been queued for the channel initiator. Further messages will be produced when the command has been completed.

CSQM138I *csect-name* **CHANNEL INITIATOR STARTING**

Explanation: A START CHINIT command has been issued and the channel initiator address space has been started successfully.

Severity: 0

System Action: Further messages will be produced when the channel initiator itself has started.

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.

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.

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).

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. That is, the REPOS attribute of the queue manager is not *cluster-name*, or the namelist specified by the REPOSNL attribute of the queue manager does not contain *cluster-name* or is not of type CLUSTER or NONE.

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.

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.SEQNO
SYSTEM.CHANNEL.SYNCQ
SYSTEM.CLUSTER.COMMAND.QUEUE
SYSTEM.CLUSTER.REPOSITORY.QUEUE
SYSTEM.COMMAND.INPUT
SYSTEM.QSG.CHANNEL.SYNCQ
SYSTEM.QSG.TRANSMIT.QUEUE

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command with the correct values.

CSQM145I *csect-name keyword* **VALUE REQUIRED FOR SHARED QUEUE**

Explanation: A non-blank value must be specified for the named keyword for a local queue whose disposition is shared or a model queue used to create a dynamic queue that is shared.

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command with a value for the keyword added.

CSQM146I *csect-name* **USAGE(XMITQ) NOT ALLOWED WITH INDXTYPE(value) >**

Explanation: An attempt was made to define or alter a queue so that it was both a transmission queue and had an index type of GROUPID or MSGTOKEN. This is not allowed.

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.

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.

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.

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.

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.

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.

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command with correct values.

CSQM153E *csect-name* **DB2 NOT AVAILABLE**

Explanation: Because DB2 is not available or no longer available, the queue manager cannot handle the command for a CF structure or shared channel.

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Use the preceding messages on the z/OS console to investigate why DB2 is not available, and restart it if necessary.

CSQM154E *csect-name* **ERROR ACCESSING DB2**

Explanation: Because there was an error in accessing DB2, the queue manager cannot handle the command for a CF structure or shared channel.

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Resolve the error reported in the preceding messages.

CSQM155I *csect-name* **STATUS(STOPPED) NOT ALLOWED WITH QMNAME OR CONNAME**

Explanation: An attempt was made to stop a channel using STATUS(STOPPED), but a queue manager name or connection name was also specified. This is not allowed.

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command with correct values.

CSQM156I *csect-name* **INDXTYPE(GROUPID) NOT ALLOWED FOR** *keyword(value)*

Explanation: An attempt was made to define or alter a queue with a reserved name so that it had an index type of GROUPID. This is not allowed.

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command with correct values.

CSQM157E *csect-name* **NO SPACE FOR** *keyword(value)*

Explanation: An MQ DEFINE CFSTRUCT command failed because no more application structures are available in the coupling facility (the limit is 63).

Severity: 8

System Action: The command is not actioned.

System Programmer Response: Reduce the number of application structures you are using.

CSQM158I *csect-name* **RECOVER(YES) NOT ALLOWED WITH CFLEVEL(value)**

Explanation: An attempt was made to define or alter a CF structure to support recovery, but the level of the CF structure was less than 3. This is not allowed.

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command with correct values. You cannot alter the level of a CF structure; you must delete the structure and then redefine it.

CSQM159I *csect-name verb-name object(obj-name)* **NOT ALLOWED, INCOMPATIBLE QUEUE MANAGER CMDLEVELS**

Explanation: An attempt was made to alter the CF level of a CF structure, or to delete the structure. This action requires that all queue managers in the queue-sharing group must have a command level of at least 530. Some of the queue managers have a lower level.

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Ensure all the queue managers in the queue-sharing group have the appropriate command level. For information about restrictions on the command, see the *WebSphere MQ Script (MQSC) Command Reference* manual.

CSQM160I *csect-name keyword(value)* **IS NOT UNIQUE**

Explanation: A command has been issued that refers to an object that exists with more than one disposition in the queue-sharing group, so the object to be used cannot be determined.

Severity: 8

System Action: The command is not executed.

System Programmer Response: Delete one of the objects.

CSQM161I *csect-name* **QUEUE ATTRIBUTES ARE INCOMPATIBLE**

Explanation: A MOVE QLOCAL command has been issued, but the queues involved have different values for one or more of these attributes: DEFTYPE, HARDENBO, INDXTYPE, USAGE. Messages cannot be moved safely if these attributes differ.

Severity: 8

System Action: The command is not executed.

System Programmer Response: Check that the queue names have been entered correctly. Change the queue attributes as necessary.

CSQM162I *csect-name keyword(value)* **MAXDEPTH IS TOO SMALL**

Explanation: A MOVE QLOCAL command has been issued, but the MAXDEPTH attribute value for the target queue is too small to allow all the messages to be moved.

Severity: 8

System Action: The command is not executed.

System Programmer Response: Change the MAXDEPTH value for the queue.

CSQM163I *csect-name* **ERROR USING** *keyword(value), REASON=mqrc*

Explanation: During the processing of a MOVE QLOCAL command, an attempt to open the named queue or to get or put a message for it failed for the specified reason. For example, a put to the target queue will fail if a message is too long.

Severity: 8

System Action: The command stops processing. If some messages have already been moved and committed, they will remain on the target queue; the rest of the messages will not be moved.

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

CSQM164I *csect-name keyword(value)* **HAS MESSAGES ASSOCIATED WITH IT**

Explanation: A MOVE QLOCAL command has been issued specifying TYPE(MOVE), the target queue already has messages associated with it.

Severity: 8

System Action: The command is not executed.

System Programmer Response: Check that the queue name has been entered correctly. Determine if it is safe to add messages to the queue, then reissue the command using the TYPE(ADD) option.

CSQM165I *csect-name n* **MESSAGES MOVED**

Explanation: A MOVE QLOCAL command has been issued, and moved the indicated number of messages.

If the command completed successfully and moved all the messages on the queue, this confirms the number moved. If an error occurred while moving the messages, this shows how many messages were successfully moved to the target queue and committed.

Severity: 0

System Action: Processing continues.

System Programmer Response: If the command did not complete successfully, as shown by the following CSQ9023E message, investigate the problem reported in the preceding messages.

CSQM166I *csect-name keyword(value)* **NOT AUTHORIZED**

Explanation: You do not have proper authorization to use the command for the specified object.

Severity: 8

System Action: The command is not executed for that object.

System Programmer Response: Check that the object name has been entered correctly. If required, arrange for someone who is authorized to use the object to issue the command for you, or get the necessary authority granted to you.

CSQM167I *csect-name* **PERFORMANCE EVENTS DISABLED**

Explanation: A command was issued that required performance events to be enabled.

Severity: 8

System Action: The command is not executed.

System Programmer Response: Use the ALTER QMGR command to set the PERFMEV attribute to ENABLED if performance events are required.

CSQM168I *csect-name* **CONFIGURATION EVENTS DISABLED**

Explanation: A command was issued that required configuration events to be enabled.

Severity: 8

System Action: The command is not executed.

System Programmer Response: Use the ALTER QMGR command to set the CONFIGEV attribute to ENABLED if configuration events are required.

CSQM169I *csect-name object-type* **OBJECTS: m FOUND, n EVENTS GENERATED**

Explanation: A REFRESH QMGR command has been issued for configuration events. *m* objects of the indicated type were found that matched the specified selection criteria (such as name or time of alteration), and *n* event messages were generated. The number of event messages may be less than the number of objects found because certain objects may be excluded, such as temporary dynamic queues or objects in the process of being deleted. It may also be less than the number of objects found if there was a problem with the event queue.

Severity: 0

System Action: Processing continues.

System Programmer Response: If *n* is less than *m*, but message CSQ9022I follows these messages to indicate that the command completed successfully, no action is needed. Otherwise, investigate the problem with the event queue as reported in the preceding messages.

CSQM170I *csect-name* **REFRESHING**
CONFIGURATION EVENTS SINCE
date time

Explanation: A REFRESH QMGR command has been issued for configuration events specifying a refresh interval with the INCLINT keyword. Event messages will be generated for all objects with an alteration date and time later than *date time* (provided they match any other specified selection criteria, such as name or type). However, event messages will not be generated for objects deleted after that time.

Severity: 0

CSQM171I *csect-name* **CONFIGURATION EVENTS**
REFRESH NEEDED

Explanation: An ALTER QMGR command has been issued that enables configuration events. Event messages need to be generated to ensure that the configuration information is complete and up-to-date.

Severity: 0

System Action: Processing continues.

System Programmer Response: If complete configuration information is required, do one of the following, as appropriate:

- If this is the first time that configuration events have been enabled, use the REFRESH QMGR TYPE(CONFIGEV) command to generate configuration events for **all** objects. If you have many objects, it may be preferable to use several such commands each with a different selection of objects, but such that all are included.
- Otherwise, use the REFRESH QMGR TYPE(CONFIGEV) command to generate events to replace those that were not generated while configuration events were disabled; specify the INCLINT parameter to cover this period.

CSQM172I *csect-name keyword* **KEYWORD NOT**
ALLOWED WITH TYPE(value)

Explanation: The named keyword cannot be specified with the TYPE value shown.

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command without the named keyword.

CSQM173I *csect-name* **EXPIRED MESSAGE SCAN**
REQUESTED FOR *m* QUEUES

Explanation: A REFRESH QMGR command has been issued for expired message scanning. *m* queues were found that matched the specified selection criteria.

Severity: 0

System Action: Processing continues.

CSQM201I *csect-name verb-name obj-type* **DETAILS**

Explanation: This message is the response to a command that displays attributes or other information about objects, when that command was entered from either the console, or the command server initialization server. It shows the attributes requested for *obj-type*, as follows:

| *obj-type* (*name*)
| *attribute-value*
| *attribute-value*
| \vdots

| **END *obj-type* DETAILS**

| *csect-name* might include the command prefix (CPF),
| depending on how the command was entered.

| Exceptionally, the last line might be:

| *obj-type* **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.)

| **Severity:** 0

CSQM293I *csect-name m obj-type* **FOUND**
MATCHING REQUEST CRITERIA

Explanation: A command that displays attributes or other information about objects has been issued. *m* objects were found that matched the specified selection criteria.

System Action: For each object found, a message follows giving its details.

Severity: 0

CSQM294I *csect-name* **CANNOT GET INFORMATION FROM DB2**

Explanation: While processing a command that displays attributes or other information about objects with a disposition of GROUP or SHARED, information could not be obtained from DB2. This may be because DB2 is not available or no longer available, or because there was an error in accessing DB2, or because a DB2 table was temporarily locked.

Severity: 8

System Action: Information about objects with a disposition of GROUP or SHARED is not displayed, so the information displayed may therefore be incomplete.

System Programmer Response: Refer to the console log for messages giving more information about the error.

CSQM295I *csect-name* **UNEXPECTED ERROR DURING DISPLAY**

Explanation: A severe error occurred while processing a command that displays attributes or other information about objects, when that command was entered from either the console, or the command server initialization server. It is followed by message CSQ9023E.

Severity: 8

System Action: The command is terminated.

System Programmer Response: Refer to the console log for messages giving more information about the error.

CSQM297I *csect-name* **NO *obj-type* FOUND MATCHING REQUEST CRITERIA**

Explanation: A command that displays attributes or other information about objects found that there are no objects that match the specified name and satisfy any other criteria requested (such as subtype or disposition in a queue-sharing group).

Severity: 0

CSQM298I *csect-name* **TOTAL MESSAGE LENGTH ALLOWED ON CONSOLE EXCEEDED**

Explanation: The total message length for the command allowed on the console (32 K) has been exceeded. This message is issued in response to commands entered from the console, and is followed by message CSQ9023E.

Severity: 8

System Action: The command is actioned, but the display of the command is terminated.

System Programmer Response: This error occurs if a

command that displays attributes or other information about objects is entered using a generic name (for example, DIS Q(*) ALL), and the total amount of data to be displayed exceeds 32 K. 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 command that displays attributes or other information about objects. This message is issued in response to commands entered from the console and the command server, and is followed by message CSQ9023E.

Severity: 8

System Action: The command is actioned, but the display of the information is terminated.

System Programmer Response: If this error occurs when a generic name is used in the command (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.

CSQM4nnI *object details*

Explanation: This message consists of the entire object or object status details formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

The message number depends on the object or object status type, as follows:

Number	Object or status type
CSQM400I	Storage class object
CSQM401I	Local queue object
CSQM402I	Model queue object
CSQM403I	Alias queue object
CSQM406I	Remote queue object
CSQM407I	Namelist object
CSQM408I	Process object
CSQM409I	Queue manager object
CSQM410I	Sender channel object
CSQM411I	Server channel object
CSQM412I	Receiver channel object
CSQM413I	Requester channel object
CSQM415I	Server-connection channel object
CSQM416I	Client-connection channel object
CSQM417I	Cluster-receiver channel object
CSQM418I	Cluster-sender channel object
CSQM420I	Sender channel status

Number	Object or status type
CSQM421I	Server channel status
CSQM422I	Receiver channel status
CSQM423I	Requester channel status
CSQM425I	Server-connection channel status
CSQM427I	Cluster-receiver channel status
CSQM428I	Cluster-sender channel status
CSQM430I	CF structure object
CSQM431I	Cluster queue object
CSQM437I	Authentication information object
CSQM439I	Cluster queue manager object
CSQM440I	CF structure status
CSQM441I	Local queue status
CSQM451I	Local queue statistics

Severity: 0

CSQM999E *csect-name* **UNRECOGNIZED RETURN**
CODE *ret-code* **FOR KEYWORD** '*keyword*'

Explanation: An unexpected return code has been issued from a command.

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.

Chapter 8. Command server messages (CSQN...)

CSQN001I COMMAND SERVER STARTED

Explanation: A request to start the command server with the START CMDSERV command has been accepted.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

Severity: 0

CSQN018E *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 queue manager was unable to start the task that processes commands in CSQINP1.

INSSRV02

During the later part of initialization, the queue manager was unable to start the task that processes commands in CSQINP2.

RTSSRV01

After initialization has completed with the command server enabled, or in response to a START CMDSERV command, the queue manager was unable to start the command server task that processes commands in the system-command input queue.

GRSSRV01

After initialization has completed with the command server enabled, or in response to a START CMDSERV command, the queue manager was unable to start the command server task that processes commands using CMDSCOPE.

Severity: 8

System Action: The task is not started.

System Programmer Response: Stop and restart the queue manager. 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 to report the problem.

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 commands in CSQINP1.

INSSRV02

During the later part of initialization an error occurred when trying to delete the task that processes commands in CSQINP2.

RTSSRV01

During 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 that processes commands in the system-command input queue.

GRSSRV01

During 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 that processes commands using CMDSCOPE.

Severity: 8

System Action: If the value of *identifier* was INSSRV01

or INSSRV02, the error is ignored, and startup continues.

If the value of *identifier* was RTSSRV01 or GRSSRV01 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.

CSQN020E *csect-name* **UNABLE TO START
COMMAND SERVER** *identifier*

Explanation: *csect-name* was unable to start the command server task *identifier*.

Severity: 8

System Action: If *identifier* is INSSRV01 or INSSRV02, initialization is not completed and a dump might be produced. In other cases, the command server is not started.

System Programmer Response: Stop and restart the queue manager. 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 task *identifier* was unable to complete its processing during startup.

Severity: 8

System Action: Queue manager startup continues.

System Programmer Response: Check the z/OS 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, reissue any unprocessed commands, or resolve the problem and restart the queue manager.

CSQN100I **COMMAND EXCEEDS MAXIMUM
SIZE, COMMAND IGNORED**

Explanation: The command string was too long.

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 *WebSphere MQ for z/OS System Setup 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.

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 *WebSphere MQ for z/OS System Setup Guide*.

CSQN102I **COMMAND BUFFER INVALID,
ERROR UNKNOWN, COMMAND
IGNORED**

Explanation: An internal error has occurred.

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
00000008	Syntax or command preprocessor 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 abnormal termination
00000014	Command completed, but there is insufficient storage for the messages
00000018	Command preprocessor has insufficient storage (there could be further messages about this error)
0000001C	The command processor has insufficient storage (the command could be partially completed)

00000020

Security check

00D50102

Refer to Chapter 33, "Command server codes (X'D5)"

Note: If the return code is '00000010', the reason code has no meaning.

If *reason* is 00000004 and *return code* is 00000000, the command has been accepted and will be completed later. Further messages will be produced when the command has been completed.

Otherwise the reason code indicates the command result as follows:

Reason	Description
--------	-------------

00000000	Command completed
----------	-------------------

00000004	Partial completion
----------	--------------------

00000008	Command not actioned
----------	----------------------

0000000C	Command processorabend
----------	------------------------

FFFFFFFF	Command not actioned
----------	----------------------

Severity: 4

System Action: The next command is processed, if possible.

System Programmer Response: If *reason* indicates that the command did not complete, examine the command and all associated messages. See the *WebSphere MQ Script (MQSC) Command Reference* manual for further information about the 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.

Severity: 8

System Action: The system action depends on the reason code (*reason*). Refer to Chapter 33, "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 Chapter 33, "Command server codes (X'D5)" for information about the code you have received.

CSQN105I **Commands from ddname for queue**
 manager qmgr-name – date time

Explanation: This message forms the header for the output data sets CSQOUT1 and CSQOUT2.

Severity: 0

CSQN121I **'verb-name pkw-name' command responses**
 from qmgr-name

Explanation: The following messages are responses from queue manager *qmgr-name* to the indicated command – either entered or generated by another command – that specified CMDSCOPE.

CSQN122I **'verb-name pkw-name' command for**
 CMDSCOPE(qmgr-name) normal
 completion

Explanation: Processing for the indicated command that specified CMDSCOPE(*qmgr-name*) – either entered or generated by another command – has completed successfully on all requested queue managers.

CSQN123E **'verb-name pkw-name' command for**
 CMDSCOPE(qmgr-name) abnormal
 completion

Explanation: Processing for the indicated command that specified CMDSCOPE(*qmgr-name*) – either entered or generated by another command – has completed, but not successfully. If the command was sent to more than one queue manager, it may have completed successfully on some and not on others.

System Programmer Response: Examine the preceding responses from the command. Reissue the command correctly if necessary for the queue managers where it failed.

CSQN127E **Queue-sharing group error,**
 reason=reason

Explanation: While processing a command that specified CMDSCOPE, the command server experienced an error while trying to send data to the coupling facility.

Severity: 8

System Action: The command is not processed.

System Programmer Response: The response you should make depends on the reason code (*reason*). Refer to Chapter 25, "Coupling Facility codes (X'C5)" for information about the code.

**CSQN128E Insufficient storage for
CMDSCOPE(*qmgr-name*)**

Explanation: While processing a command that specified CMDSCOPE, the command server was unable to obtain storage needed.

System Action: The command is not processed.

System Programmer Response: If the problem persists, you may need to restart the queue manager after making more storage available.

**CSQN129E Error saving command reply
information**

Explanation: While processing a command that specified CMDSCOPE or a command for the channel initiator, the command server experienced an error while trying to save information about the command.

Severity: 8

System Action: The command is not processed.

System Programmer Response: The most likely cause is insufficient storage. If the problem persists, you may need to restart the queue manager after making more storage available.

**CSQN130E Command exceeds maximum size for
CMDSCOPE(*qmgr-name*)**

Explanation: A command that specified CMDSCOPE(*qmgr-name*) was too long.

System Action: The command is not processed.

System Programmer Response: Reissue the command correctly.

**CSQN131E CMDSCOPE(*qmgr-name*) not allowed
during restart**

Explanation: A command that specified CMDSCOPE(*qmgr-name*) was issued in the initialization input data set CSQINP1. This is not allowed.

System Action: The command is not processed.

System Programmer Response: Reissue the command later.

**CSQN132E CMDSCOPE(*qmgr-name*) not allowed
with disposition *disposition***

Explanation: A command that specified CMDSCOPE(*qmgr-name*) with QSGDISP(*disposition*) or CHLDISP(*disposition*) was issued. This combination of values is not allowed.

System Action: The command is not processed.

System Programmer Response: Reissue the command correctly.

**CSQN133E CMDSCOPE(*qmgr-name*) not allowed,
command server unavailable**

Explanation: A command that specified CMDSCOPE(*qmgr-name*) was entered or generated by another command, but the command server is not running and not enabled.

System Action: The command is not processed.

System Programmer Response: Use the START CMDSERV command to start the command server, and reissue the command.

**CSQN135E Queue manager *qmgr-name* not active in
queue-sharing group**

Explanation: A command specifying CMDSCOPE(*qmgr-name*) was entered or generated by another command, but that queue manager is not currently active in the group.

System Action: The command is not processed.

System Programmer Response: Start the queue manager and reissue the command if required.

CSQN136E Not in queue-sharing group

Explanation: A command that requires a queue-sharing group was entered, but the queue manager is not in a group.

System Action: The command is not processed.

System Programmer Response: Reissue the command correctly.

**CSQN137I '*verb-name pkw-name*' accepted for
CMDSCOPE(*qmgr-name*), sent to *n***

Explanation: A command that specified CMDSCOPE was entered. It has been passed to the requested queue manager(s) for processing; *n* is the number of queue managers.

System Action: Processing continues.

**CSQN138I '*verb-name pkw-name*' generated for
CMDSCOPE(*qmgr-name*), sent to *n***

Explanation: A command that specified CMDSCOPE was generated in response to the command originally entered. It has been passed to the indicated queue manager(s) for processing; *n* is the number of queue managers.

System Action: Processing continues.

CSQN201I COMMAND SERVER IS SHUTTING DOWN

Explanation: This message confirms that the command server is shutting down after an error.

Severity: 0

System Action: The command server shuts down and will not process any more commands.

System Programmer Response: Correct the errors reported in the preceding messages, and use the START CMDSERV command to restart the command server.

CSQN202I COMMAND SERVER RETURN CODE=*rc*, REASON=*reason*

Explanation: An error occurred in the command server, as indicated by the preceding messages.

Severity: 8

System Action: The system action depends on the reason code (*reason*). Refer to Chapter 33, "Command server codes (X'D5)" or Chapter 25, "Coupling Facility codes (X'C5)" for information about the code.

System Programmer Response: The response you should make depends on the reason code (*reason*).

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, as indicated in the preceding message, did not complete successfully. *mqcc* is the completion code, and *mqrc* is the reason code.

Severity: 8

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

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 *WebSphere MQ for z/OS System Administration 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

00000008

Syntax or command preprocessor error, see the following messages

0000000C

Command processor error, see the following messages

00000010

Command processor abnormal termination

00000014

Command completed, but there is insufficient storage for the messages

00000018

Command preprocessor has insufficient storage, (there could be further messages about this error)

0000001C

The command processor has insufficient storage (the command could be partially completed)

00000020

Security check, check userid authority

00000024

Command too long, see the following messages

00000028

Queue-sharing group error, see the following messages

00D5xxxx

Refer to Chapter 33, "Command server codes (X'D5)"

Note: If the return code is '00000010', the reason code has no meaning.

If *reason* is 00000004 and *return code* is 00000000, the set of reply messages is incomplete. Further sets of messages, each including another CSQN205I message, will be produced later. The results of the command will be shown by the codes in the CSQN205I message included with the final set of messages.

Otherwise the reason code indicates the command result as follows:

Reason Description

00000000

Command completed

00000004

Partial completion

00000008

Command not actioned

0000000C

Command processorabend

FFFFFFFF

Command not actioned

Severity: 0

System Action: The next command is processed, if possible.

System Programmer Response: If *reason* indicates that the command did not complete, examine the command and all associated messages. See the *WebSphere MQ Script (MQSC) Command Reference* manual for further information about the commands.

If you are unable to solve the problem, collect the input and output data sets and contact your IBM support center.

**CSQN206I COMMAND SERVER ECBLIST,
STOP=*ecb1*, WAIT=*ecb2***

Explanation: This message reports the ECB values associated with an error in the command server.

Severity: 8

System Action: The command server terminates.

System Programmer Response: This message is usually preceded by a CSQN202I message. Refer to the preceding messages for more information about the cause of the problem.

**CSQN207E COMMAND SERVER UNABLE TO
OPEN REPLY TO QUEUE**

Explanation: The command server was unable to open the reply-to queue while processing a command.

System Action: Message CSQN203I is sent to the z/OS 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 the completion and reason codes. 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

**CSQN208E COMMAND SERVER UNABLE TO
OPEN COMMAND INPUT QUEUE**

Explanation: The command server was unable to open the system-command input queue while starting up.

System Action: Message CSQN203I is sent to the z/OS 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 the completion and reason codes. 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

**CSQN209E 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.

System Action: Message CSQN203I is sent to the z/OS console reporting the completion and reason codes from the **MQCLOSE** request. The shutdown procedure continues.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about the completion and reason codes. 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

**CSQN210E COMMAND SERVER ERROR
CLOSING REPLY TO QUEUE**

Explanation: The command server was unable to close the reply-to queue while processing a command.

System Action: Message CSQN203I is sent to the z/OS 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 the completion and reason codes.

**CSQN211E COMMAND SERVER ERROR
GETTING FROM COMMAND INPUT
QUEUE**

Explanation: The command server experienced an error while trying to get a message from the system-command input queue.

System Action: Message CSQN203I is sent to the z/OS console, reporting the completion and reason codes from the **MQGET** request.

The command server terminates.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about the completion and reason codes. 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

**CSQN212E 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.

System Action: Message CSQN203I is sent to the z/OS 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.

The command server continues.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about the completion and reason codes. 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

**CSQN213E COMMAND SERVER ERROR,
COMMAND INPUT QUEUE
DISABLED**

Explanation: While waiting for a command the system-command input queue has been disabled.

System Action: Message CSQN203I is sent to the console containing the return and reason codes from the request function. The command server terminates.

System Programmer Response: Change the system-command input queue to be enabled, and issue the **START CMDSERV** command.

If the problem persists, collect the following items, and contact your IBM support center:

- Return and reason codes
- Any trace data collected
- Printout of SYS1.LOGREC

**CSQN219E Unable to find command reply
information**

Explanation: While processing responses from a command that specified **CMDSCOPE** or a command for the channel initiator, the command server could not find the information to determine where to send the responses.

Severity: 8

System Action: The command may not be processed; any command responses are discarded. The command server continues.

System Programmer Response: If the problem persists, contact your IBM support center with details of this message, any previous messages pertaining to this error, and the dump (if applicable).

**CSQN220E Error monitoring CMDSCOPE command
data**

Explanation: The command server experienced an error while monitoring command data in the coupling facility.

System Action: Message CSQN202I is sent to the z/OS console, reporting the return and reason codes from the request.

The command server terminates.

System Programmer Response: Refer to Chapter 25, "Coupling Facility codes (X'C5')", for information about the reason code. 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

**CSQN221E Error receiving CMDSCOPE command
data**

Explanation: The command server experienced an error while trying to get command data from the coupling facility.

System Action: Message CSQN202I is sent to the z/OS console, reporting the return and reason codes from the request.

The command server terminates.

System Programmer Response: Refer to Chapter 25, "Coupling Facility codes (X'C5')", for information about the reason code. 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

**CSQN222E Error sending CMDSCOPE command
data**

Explanation: The command server experienced an error while trying to send command data to the coupling facility.

System Action: Message CSQN202I is sent to the z/OS console, reporting the return and reason codes from the request.

The command server terminates.

System Programmer Response: Refer to Chapter 25, "Coupling Facility codes (X'C5')", for information about the reason code. 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

**CSQN223E Insufficient storage for CMDSCOPE
 command data**

Explanation: The command server was unable to obtain storage needed for command data in the coupling facility.

System Action: The command server terminates.

System Programmer Response: Use the START CMDSERV command to restart the command server. If the problem persists, you may need to restart the queue manager after making more storage available.

Chapter 9. Operations and control messages (CSQO...)

CSQO001I *'*' may only be final character.*

Explanation: A character string entered in the Name field contains an asterisk character that is not in the last position. This is not allowed.

Severity: 8

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.

Severity: 8

System Action: The panel is redisplayed.

Operator Response: Enter an action code that is in the correct range.

CSQO003I *Use the ISPF command PFSHOW 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.

Severity: 0

System Action: None.

Operator Response: Type PFSHOW in the command area of the panel 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 ISPF command PFSHOW OFF to turn the display off.)

CSQO004I *Object object-type is not allowed.*

Explanation: The value entered in the Object type field was invalid.

Severity: 8

System Action: The main menu is redisplayed.

Operator Response: Use the Prompt function key or panel command to display the 'Select Object Type' secondary window, and select a value from the list displayed.

CSQO005I *Multiple replies returned. Press F10 to view.*

Explanation: Several error messages have been returned by the queue manager in response to an action from Operations and Control.

Severity: 4

System Action: The main menu is redisplayed.

Operator Response: Use the MSGVIEW panel command, or the messages function key to display the messages. If required, refer to this manual for information about the messages displayed.

CSQO006I *Blank name is not allowed with action queue manager *.*

Explanation: The Define action was selected and the Name field was left blank to define a new object using default attributes. However, an asterisk (*) was entered for the action queue manager, which is not allowed in this case.

Severity: 8

System Action: The main menu is redisplayed.

Operator Response: Choose a specific target queue manager.

CSQO007I *'field' must be supplied.*

Explanation: Nothing has been entered in the named field. This value is required in order to continue.

Severity: 8

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.

Severity: 4

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* is not allowed for object type *object-type*.

Explanation: The action number that you entered is not allowed for *object-type* objects.

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 field.

CSQO010I Queue manager or group is not available.

Explanation: An attempt to connect to a queue manager was unsuccessful. If a queue manager name was specified, the queue manager is not running. If a queue-sharing group name was specified, there are no queue managers running in that group.

Severity: 8

System Action: None, the panel is redisplayed.

Operator Response: If required, start a queue manager.

CSQO011E MQCONN unsuccessful. Reason code=*mqr*c.

Severity: 8

Explanation: An attempt to connect to a queue manager or queue-sharing group 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 name is invalid or unknown.

Explanation: An attempt to connect to a queue manager or queue-sharing group was unsuccessful because the name specified is not known, or not valid. If a blank name was specified, this means that there was no default queue manager or group defined for your installation.

Severity: 8

System Action: None, the panel is redisplayed.

Operator Response: Correct the name specified.

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.

Severity: 8

System Action: None, the panel is redisplayed.

Operator Response: Contact your security administrator.

CSQO014E MQOPEN of *q-name* unsuccessful. Reason code=*mqr*c.

Explanation: An attempt to open *q-name* was unsuccessful. *mqr*c is the reason code returned by MQOPEN; see Appendix A, "API completion and reason codes" for more information. *q-name* 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 queue manager 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.
- There is insufficient storage available.

Severity: 8

System Action: The main menu is redisplayed.

Operator Response: Take the corrective action suggested for *mqr*c. Also:

- Check that *q-name* is 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 *WebSphere MQ Intercommunication* manual for information about remote queues.
- If *mqr*c is 2035 (MQRC_NOT_AUTHORIZED) contact your MQ data security administrator.

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.

Severity: 8

System Action: The panel is redisplayed. The

command was sent to the queue manager, but it might not have been executed successfully.

Operator Response: Increase the response wait time and try again.

If the problem persists, issue commands from the z/OS console for the target queue manager to do the following:

- Check whether the command was actioned (for example, if you were trying to define a queue ABCD, use the command `DISPLAY QUEUE(ABCD)` to see if it has been actioned).
- Check the GET attribute of the `SYSTEM.COMMAND.INPUT` queue; it should be set to `ENABLED`.
- Check the PUT and `MAXMSGL` attributes of the reply-to model queue `SYSTEM.COMMAND.REPLY.MODEL`. PUT should be set to `ENABLED`; `MAXMSGL` should be at least 13000.
- If all the settings are correct, stop and restart the command server using the `STOP CMDSERV` and `START CMDSERV` commands.

Additionally, if the target queue manager was remote:

- Check that the links to the remote queue manager are still available.
- Check the transmission queue definitions for both the local and remote queue managers. The commands 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.
- If you think you have a network performance problem, contact the system programmer.

CSQO016E MQPUT to *q-name* unsuccessful. Reason code=*mqr*c.

Explanation: An attempt to put a command on a queue (*q-name*) using **MQPUT** was unsuccessful. *q-name* 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 the reason code returned from **MQPUT**; see Appendix A, “API completion and reason codes” for more information.

The most likely causes of this problem are:

1. Put requests are inhibited for the system-command input queue or the transmission queue.
2. The system-command input queue or transmission queue is full, because the command server is not running.
3. There is insufficient storage available.

Severity: 8

System Action: The command is not sent to the queue

manager and the panel is redisplayed.

Operator Response: Wait a bit and try again.

If the problem persists, take the corrective action suggested for *mqr*c. Issue commands from the z/OS console for the target queue manager to do the following:

- Check the PUT, `MAXDEPTH`, and `MAXMSGL` attributes of the queue. PUT should be set to `ENABLED`; `MAXDEPTH` should not be zero; `MAXMSGL` should be at least 32762.
- If all the settings are correct, stop and restart the command server using the `STOP CMDSERV` and `START CMDSERV` commands.

If you are unable to resolve the problem, contact the system programmer.

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 the reason code returned from **MQGET**; see Appendix A, “API completion and reason codes” for more information.

A possible cause of this problem is that get requests are inhibited on the reply-to queue.

Severity: 8

System Action: The panel is redisplayed. The command was sent to the queue manager, but it might not have been executed successfully.

Operator Response: Take the corrective action suggested for *mqr*c. Issue commands from the z/OS console for the target queue manager to do the following:

- Check whether the command was actioned (for example, if you were trying to define a queue ABCD, use the command `DISPLAY QUEUE(ABCD)` to see if it has been actioned).
- Check the GET and `MAXMSGL` attributes of the reply-to model queue `SYSTEM.COMMAND.REPLY.MODEL`. GET should be set to `ENABLED`; `MAXMSGL` should be at least 13000.
- If all the settings are correct, stop and restart the command server using the `STOP CMDSERV` and `START CMDSERV` commands.

If you are unable to resolve the problem, contact the system programmer.

CSQO018E Queue manager is invalid or unknown or unavailable.

Explanation: An attempt to send a command was unsuccessful because the target or action queue manager was not known or not valid or not running.

Severity: 8

System Action: The command is not sent the queue manager and the panel is redisplayed.

Operator Response: Check the name and, if a remote queue manager is being used, check the remote queue definition, and correct as necessary. If required, start the queue manager.

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.

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' truncated due to quotes. Press Enter to continue.

Explanation: The value in field *field* contains one or more quote marks. In order that these are treated 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) in the command for the queue manager. However, this conversion has made the string too long, and it has been truncated.

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 field.

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.

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.

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 in the panel command area (or using a function key) is not valid.

Severity: 4

System Action: The panel is redisplayed.

Operator Response: Enter the panel command correctly.

CSQO025I There are no messages to view.

Explanation: The MSGVIEW panel command has been entered in the command area, or the messages function key has been pressed, but there are no messages from the queue manager to view.

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.

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.

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.

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 *name*.

Explanation: You asked to display the object of type *objtype* and name *name* (or to list the objects where *name* ends with an asterisk), but no matching objects have been found.

Severity: 0

System Action: The current panel is redisplayed.

Operator Response: Check that you typed the name correctly.

If you are already displaying the named object when you receive this message, it indicates that the object has now been deleted.

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.NAMESn* (where *userid* is the TSO userid involved, and *n* is a number). *rc* is the return code from the TSO command ALLOCATE.

The most likely cause of this problem is that another data set with the same name already exists, or that DDname CSQONLn is in use.

Severity: 8

System Action: The panel is redisplayed.

Operator Response: Check to see if data set *userid.NAMELIST.NAMESn* 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: A command has been sent to the queue manager, but message CSQN205I was received in reply, indicating a severe error.

Severity: 12

System Action: Message CSQN205I is saved. The current panel is redisplayed.

Operator Response: Use the MSGVIEW panel 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: A command has been sent to the queue manager, but the first reply message received is not CSQN205I.

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 panel command or the messages function key to display the messages.

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.

Retry the action. If the problem persists contact your IBM support center.

CSQO034E Reply format not recognized. Press F10 to view.

Explanation: A DISPLAY command has been sent to the queue manager. The first reply message received was CSQN205I as expected, but a subsequent message was not as expected.

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 panel command or the messages function key to display the messages.

Retry the action. If the problem persists contact your IBM support center.

CSQO035E Unable to get storage (return code = *rc*).

Explanation: An attempt to get storage was unsuccessful.

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 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.

Severity: 4

System Action: The action panel is displayed.

Operator Response: Use the CANCEL panel 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.

Severity: 4

System Action: The current panel is redisplayed.

Operator Response: Use the CANCEL panel 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 command EDIT.

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 No open queues with disposition *disptype* match *name*.

Explanation: You asked to list the open queues with disposition (or dispositions) *disptype* and name *name*, but no matching objects have been found.

Severity: 0

System Action: The empty list panel is displayed.

CSQO041I Object type *type* not allowed for define request.

Explanation: A define request was issued for object type QUEUE or CHANNEL.

Severity: 4

System Action: The secondary window 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 scrolling back to the previous panel, but the first panel is already being displayed.

Severity: 0

System Action: The panel is redisplayed.

CSQO043I On the last panel.

Explanation: A function key has been pressed that requests scrolling forward to the next panel, but the last panel is already being displayed.

Severity: 0

System Action: The panel is redisplayed.

CSQO044I Function not available for objects with type *objtype*.

Explanation: The function you requested (for example, status or cluster information) is not available for objects with type *objtype*.

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 or longer than 12 characters for a CF structure object or longer than 8 characters for a storage class object.

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.

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.

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 on the action queue manager, but it is not.

Severity: 0

System Action: The panel is redisplayed.

Operator Response: Start the channel initiator, and retry the action.

CSQO049I EXEC cannot be invoked as a TSO command.

Explanation: An attempt was made to issue one of the Operations and Control execs as a TSO command.

Severity: 4

System Action: The request is ignored.

System Programmer Response: Use CSQOREXX to invoke the Operations and Control panels.

CSQO050I No objects of type *objtype* disposition *disptype* match *name*.

Explanation: You asked to display the object of type *objtype*, with disposition (or dispositions) *disptype* and name *name* (or to list the objects where *name* ends with an asterisk), but no matching objects have been found.

Severity: 0

System Action: The current panel is redisplayed or the empty list panel is displayed.

Operator Response: Check that you typed the name correctly.

If you are already displaying the named object when

you receive this message, it indicates that the object has now been deleted.

CSQO051I Like object *name* with disposition *disptype* not found. Name assumed to be for defining new object with default attributes.

Explanation: You asked to define an object of type *objtype*, using as a basis an object with disposition *disptype* and name *name*, but no such object has been found.

(In earlier releases, you could specify the name of a new object to define on the 'Main Menu' panel, and a 'like' name to use as a basis for your definition. Now, only the 'like' name can be specified for 'Define' on the 'Main Menu' panel; you specify the new object name on the 'Define' panel.)

Severity: 0

System Action: The 'Define' panel is displayed, initialized with the name you specified and the default attributes for that type of object, on the assumption that you intended to define a new object with default attributes.

Operator Response: Check the disposition and attributes and then press Enter to define a new object with the name you specified, or press F12 to return to the 'Main Menu' panel.

To define a new object with default attributes, you should leave the name blank on the 'Main Menu' panel, and enter it on the 'Define' panel.

CSQO052I Queue manager names changed because connect name changed.

Explanation: The Connect name field was changed but the Target queue manager field was not, and the new connect name was different from the target queue manager name. It is assumed you have forgotten to change the target queue manager.

Severity: 0

System Action: The target queue manager is changed to the queue manager you are connected to; the action queue manager may also be changed. The 'Queue Manager Names' secondary window is displayed, showing the new names that will be used.

CSQO053I Blank connect or queue manager names specified.

Explanation: One or more of Connect name, Target queue manager, or Action queue manager fields was blank, specifying that the default name should be used.

Severity: 0

System Action: The 'Queue Manager Names'

secondary window is displayed, showing the actual names that will be used.

CSQO054I Function not available for objects with disposition *disptype*.

Explanation: The function you requested (for example, status or cluster information) is not available for objects with disposition (or dispositions) *disptype*.

Severity: 0

System Action: The panel is redisplayed.

CSQO055I Connect name is a queue-sharing group.

Explanation: The Connect name field specified the name of a queue-sharing group, to connect to any queue manager in the group.

Severity: 0

System Action: The 'Queue Manager Names' secondary window is displayed, showing the queue manager you are connected to.

CSQO056I Queue sharing group is needed.

Explanation: The action you requested needs the queue manager to be part of a queue sharing group, but it is not.

Severity: 0

System Action: The panel is redisplayed.

Operator Response: Tell your system administrator.

CSQO057I Function *function* is not allowed for disposition *disposition*.

Explanation: The function number that you entered is not allowed with the specified disposition. This is the disposition of the object you are working with if you are using the Manage action, or the disposition you chose if you are performing a channel function.

Severity: 8

System Action: The current panel is redisplayed.

Operator Response: If you are using the Manage action, see the help panel for the function type field for information about the functions that are allowed for various dispositions of objects. If you are using the 'Perform a channel function' panel, see the help panel for the disposition field for information about the functions that are allowed for various dispositions.

CSQO058I Action *action* is not allowed for channels with disposition *disposition*.

Explanation: The action number that you entered is not allowed for channel objects with the specified disposition.

Severity: 8

System Action: The current panel is redisplayed.

Operator Response: Choose another action or channel. The perform, start, and stop actions are allowed only for channels with a disposition of QMGR or COPY.

CSQO059I Disposition *disposition* is not allowed for object type *object-type*.

Explanation: The disposition that you entered is not allowed for *object-type* objects.

Severity: 8

System Action: The current panel is redisplayed.

Operator Response: For information about the dispositions that are allowed for *object-type* objects, see the help panel for the disposition field.

CSQO060I Platform for target queue manager *qmgr-name* is not z/OS or OS/390.

Explanation: The target queue manager is running on a platform that is not z/OS or OS/390. With such a queue manager, it is likely that actions will work only partially, incorrectly, or not at all, and that the replies from the queue manager will not be recognized.

Severity: 4

System Action: The 'Confirm Target Queue Manager' secondary window is displayed.

Operator Response: Press F12 to return to the 'Main Menu' panel and choose a suitable target queue manager.

CSQO061I Command level for target queue manager *qmgr-name* is not one of *cmd-levels*.

Explanation: The target queue manager has a command level which is not one of those supported by the Operations and Control panels. With such a queue manager, it is likely that actions will work only partially, incorrectly, or not at all, and that the replies from the queue manager will not be recognized.

Severity: 4

System Action: The 'Confirm Target Queue Manager' secondary window is displayed.

Operator Response: Press F12 to return to the 'Main Menu' panel and choose a suitable target queue manager.

CSQO062I Command level for action queue manager *qmgr-name* is *cmd-level*.

Explanation: The action queue manager has a command level which is not current. If an action is directed to such a queue manager most actions will

work, but some fields will be ignored; a few objects and actions will be disallowed.

Severity: 4

System Action: The 'Confirm Action Queue Manager' secondary window is displayed.

Operator Response: Press Enter to continue, or F12 to return to the 'Main Menu' panel.

CSQO063I Some queue managers in the queue-sharing group have command level *cmd-level*.

Explanation: The action queue manager is '*' and one or more queue managers in the queue-sharing group has a command level which is not current. If an action is directed to such a queue manager or to all queue managers in the queue-sharing group, most actions will work, but some fields will be ignored; a few objects and actions will be disallowed.

Severity: 4

System Action: The 'Confirm Action Queue Manager' secondary window is displayed.

Operator Response: Press Enter to continue, or F12 to return to the 'Main Menu' panel.

CSQO064I Object type *object-type* is not allowed with command level *cmd-level*.

Explanation: The action queue manager has a command level which does not support *object-type* objects.

Severity: 4

System Action: The 'Confirm Action Queue Manager' secondary window is displayed.

Operator Response: Press F12 to return to the 'Main Menu' panel and choose a suitable action queue manager.

CSQO065I Object name *name* is invalid.

Explanation: The value entered in the Name field was invalid.

Severity: 8

System Action: The panel is redisplayed.

Operator Response: Enter the name correctly. Use the field help to see the rules for object names.

CSQO066I No status of this type for CF structures matching *name*.

Explanation: You asked to display status for CF structures with name *name*, but there were none with status of that type.

Severity: 0

System Action: The empty list panel is displayed.

CSQO067I Some channel initiators not active in queue-sharing group. List may be incomplete.

Explanation: The action you requested requires information from the channel initiators on all the queue managers in the queue-sharing group, but some of those channel initiators are not active. The information may therefore be incomplete.

Severity: 4

System Action: The list panel is displayed, but may be incomplete.

Operator Response: Start all the channel initiators, and repeat the action.

CSQO068I No channel initiators active in queue-sharing group.

Explanation: The action you requested requires information from the channel initiators on all the queue managers in the queue-sharing group, but none of those channel initiators are active. No information can therefore be displayed.

Severity: 4

System Action: The empty list panel is displayed.

Operator Response: Start all the channel initiators, and repeat the action.

CSQO069I Action or function or object type is not allowed because of queue manager command level.

Explanation: The action queue manager has a command level which is not the current one. The action, function, or object type you chose is not allowed at that command level.

Severity: 4

System Action: The panel is redisplayed.

Operator Response: Return to the 'Main Menu' panel and choose a suitable action queue manager.

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.

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 to report the problem.

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.

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 Menu' 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.

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.

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 Menu' 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.

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:

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 to report the problem.

CSQO090E Internal error in *program*. Action field is not valid.

Explanation: An internal error has occurred.

Severity: 12

System Action: The current panel is redisplayed.

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.

Severity: 12

System Action: The last panel is redisplayed.

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.

Severity: 12

System Action: The last panel is redisplayed.

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*. Command request is not valid.

Explanation: An internal error has occurred.

Severity: 12

System Action: The last panel is redisplayed.

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.

Severity: 12

System Action: The last panel is redisplayed.

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.

Severity: 12

System Action: The last panel is redisplayed.

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.

Severity: 12

System Action: The last panel is redisplayed.

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

Chapter 10. Buffer manager messages (CSQP...)

CSQP001I Buffer pool *n* has *k* buffers

Explanation: This message gives the number of buffers defined for specified buffer pool.

It is sent to the console during queue manager startup in response to a DEFINE BUFFPOOL(*n*) command and it is included in the responses to a DISPLAY USAGE command for page set information.

Severity: 0

CSQP002I 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 15.

Severity: 8

System Action: The command is ignored.

System Programmer Response: See the *WebSphere MQ Script (MQSC) 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.

Severity: 8

System Action: The command is ignored.

System Programmer Response: See the *WebSphere MQ Script (MQSC) 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.

Severity: 8

System Action: The queue manager 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 500 000.

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 queue manager address space, and will be less than 500 000.

CSQP006I LOG CHECKPOINT NAME *log-name* DOES NOT MATCH QUEUE MANAGER NAME *qmgr-name*

Explanation: An attempt to restart with a log from another queue manager was detected. The name recorded in the log during checkpoint does not match the name of the queue manager using that log for restart.

Severity: 8

System Action: Restart is abnormally terminated with completion code X'5C6' and reason code X'00D70102'.

System Programmer Response: Change the started task JCL procedure xxxxMSTR for the queue manager to name the appropriate bootstrap and log data sets.

CSQP007I Page set *x* uses buffer pool *n*

Explanation: This message gives the buffer pool used by the specified page set.

It is sent to the console during queue manager startup in response to a DEFINE PSID(*x*) command.

Severity: 0

CSQP009I PAGE RECOVERY STARTED 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.

Severity: 0

**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.

Severity: 0

**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.

Severity: 8

System Action: The queue manager continues running, but you will be unable to access the data contained in *psid*.

Note: If the queue manager 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.

Severity: 8

System Action: Queue manager shutdown continues, but some information might be missing from the page set. This will be corrected from the log during 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 successfully dynamically expanded by creating a new extent.

Severity: 0

System Action: The new extent is formatted; message CSQI031I 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 *WebSphere MQ for z/OS System Setup Guide*.

**CSQP014I *csect-name* EXPANSION FAILED FOR
PAGE SET *psid*. FUTURE REQUESTS
TO EXTEND IT WILL BE REJECTED**

Explanation: An attempt to expand a page set dynamically was unsuccessful.

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.

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 the *WebSphere MQ for z/OS Concepts and Planning Guide* and the *WebSphere MQ for z/OS System Setup Guide* for more information about page set organization and management.

| **CSQP017I** *csect-name* **EXPANSION STARTED FOR**
| **PAGE SET** *psid*

| **Explanation:** Page set *psid* is being expanded dynamically, by creating a new extent.

| **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.

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*.

Severity: 0

CSQP020E *csect-name* **Buffer pool *n* is too small**

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.

CSQP021I **Page set *psid* new media recovery**
RBA=*rcvry-rba*, checkpoint
RBA=*chkpt-rba*

Explanation: During checkpoint processing, buffers have been flushed from the buffer pools to the indicated page set, establishing a new media recovery RBA. This RBA is the point from which log data would be required to perform media recovery for the page set. It should be the same as the checkpoint RBA.

Severity: 0

System Action: Processing continues.

System Programmer Response: If the media recovery and checkpoint RBAs differ, contact your IBM support center.

Chapter 11. 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 queue manager *qqqq*.

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 queue manager *qqqq* but the queue manager is not yet ready to make connections.

Severity: 0

System Action: The queue manager has accepted the notify message from IMS and when it is ready to make connections it will issue the z/OS command MODIFY IMS to cause IMS to attempt to make the connection again. IMS applications can not access MQ resources until the connection is made.

Operator Response: Look for other errors in MQ that might prevent it becoming ready, and notify the system programmer.

System Programmer Response: Resolve any other MQ problems.

Problem Determination: You might find the following items useful in resolving the problem:

- Symptom string
- Printout of SYS1.LOGREC
- Queue manager 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*, MQRC=*mqr*c**

Explanation: This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has failed to connect to queue manager *qqqq*. *mqr*c is the MQ reason code for the failure.

Severity: 12

System Action: The IMS control region, and dependent regions are not connected to the queue manager. Any request from IMS applications for MQ resources will fail.

Operator Response: Notify the system programmer.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqr*c 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
- Queue manager job log
- Copy of the IMS log

CSQQ003E **IMS/TM *iiii* create thread failed while connecting to queue manager *qqqq*, MQRC=*mqr*c**

Explanation: This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has failed to connect to queue manager *qqqq*. *mqr*c is the MQ reason code for the failure from the MQ create thread function.

Severity: 12

System Action: The IMS control region, and dependent regions are not connected to the queue manager. Any request from IMS applications for MQ resources will fail.

Operator Response: Notify the system programmer.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqr*c to determine the cause of the problem.

Problem Determination: You might find the following items useful in resolving the problem:

- Printout of SYS1.LOGREC
- Queue manager job log
- Copy of the IMS log

CSQQ004E **IMS/TM *iiii* inquire indoubt failed while connecting to queue manager *qqqq*, MQRC=*mqr*c**

Explanation: This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has failed to connect to queue manager *qqqq*. *mqr*c is the MQ reason code for the failure from the MQ inquire indoubt function.

Severity: 12

System Action: The IMS control region, and dependent regions are not connected to the queue manager. Any request from IMS applications for MQ resources will fail.

Operator Response: Notify the system programmer.

System Programmer Response: Refer to Appendix A,

“API completion and reason codes” for information about *mqr*c to determine the nature of the error.

Problem Determination: You might find the following items useful in resolving the problem:

- Printout of SYS1.LOGREC
- Queue manager job log
- Copy of the IMS log

CSQQ005E IMS/TM *iiii* establish exit failed while connecting to queue manager *qqqq*,
MQRC=*mqr*c

Explanation: This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has failed to connect to queue manager *qqqq*. *mqr*c is the MQ reason code for the failure from MQ establish exit function.

Severity: 12

System Action: The IMS control region, and dependent regions are not connected to the queue manager. Any request from IMS applications for MQ resources will fail.

Operator Response: Notify the system programmer.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqr*c to determine the cause of the error.

Problem Determination: You might find the following items useful in resolving the problem:

- Printout of SYS1.LOGREC
- Queue manager job log
- Copy of the IMS log

CSQQ007E IMS/TM *iiii* resolve indoubt failed while connecting to queue manager *qqqq*,
MQRC=*mqr*c

Explanation: This message is produced at the IMS master terminal when the queue manager has failed to resolve indoubt units of recovery during the connection process. *mqr*c is the MQ reason code for the resolve in-doubt function failure.

Severity: 4

System Action: The IMS control region, and dependent regions are connected to the queue manager. IMS applications can access MQ resources.

Operator Response: Notify the system programmer.

System Programmer Response: See the *WebSphere MQ for z/OS System Setup Guide* for information about resolving the MQ 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
- Queue manager job log

- IMS and MQ 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 the queue manager has units of recovery still in doubt after all the IMS units of work have been resolved.

Severity: 4

System Action: The IMS control region, and dependent regions are connected to the queue manager. IMS applications can access MQ resources.

Operator Response: Notify the system programmer.

System Programmer Response: See the *WebSphere MQ for z/OS System Administration Guide* for information about resolving the MQ 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 MQ log records

CSQQ010E Error resolving unit of recovery *uuuu* (OASN *nnnn*) in queue manager *qqqq*,
MQRC=*mqr*c

Explanation: This message is produced at the IMS master terminal when the queue manager 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.

Severity: 4

System Action: The IMS control region, and dependent regions are connected to the queue manager. IMS applications can access MQ resources.

Operator Response: Notify the system programmer.

System Programmer Response: See the *WebSphere MQ for z/OS System Administration Guide* for information about resolving the MQ 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 MQ log records
- Queue manager job log

CSQQ011E IMS/TM *iiii* terminate identify failed for connection to queue manager *qqqq*,
MQRC=*mqr*c

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 queue manager *qqqq*. *mqr*c is the return code for the failure

from the MQ terminate identify function.

Severity: 12

System Action: The IMS control region, and dependent regions are not connected to the queue manager. Any request from IMS applications for MQ resources will fail.

Operator Response: Notify the system programmer.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqr*c to determine the cause of the error.

Problem Determination: You might find the following items useful in resolving the problem:

- Printout of SYS1.LOGREC
- Queue manager job log
- Copy of the IMS log

CSQQ013I MQ 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 MQ command; MQ commands cannot be issued in this way.

Severity: 4

System Action: None

Operator Response: Issue the MQ command from the z/OS console.

CSQQ014E Unit of recovery *uuuu* (OASN *nnnn*) was not committed in queue manager *qqqq*

Explanation: This message is produced at the IMS master terminal when, following the abnormal termination of an application, the queue manager is unable to commit an indoubt unit of recovery as requested by IMS. *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.

Severity: 4

System Action: The IMS control region, and dependent regions are connected to the queue manager. IMS applications can access MQ resources.

Operator Response: Notify the system programmer.

System Programmer Response: See the *WebSphere MQ for z/OS System Administration Guide* for information about resolving the MQ 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 MQ log records
- Queue manager job log

CSQQ015E Unit of recovery *uuuu* (OASN *nnnn*) was not backed out in queue manager *qqqq*

Explanation: This message is produced at the IMS master terminal when, following the abnormal termination of an application, the queue manager is unable to back out an indoubt unit of recovery as requested by IMS. *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.

Severity: 4

System Action: The IMS control region, and dependent regions are connected to the queue manager. IMS applications can access MQ resources.

Operator Response: Notify the system programmer.

System Programmer Response: See the *WebSphere MQ for z/OS System Administration Guide* for information about resolving the MQ 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 MQ log records
- Queue manager job log

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.

Severity: 0

CSQQ101E *psb-name region-id* Cannot open the initiation queue, MQCC=*mqcc* MQRC=*mqr*c

Explanation: CSQQTRMN has attempted to open an initiation queue, but the attempt was unsuccessful (for example, because the queue was not defined). *mqcc* and *mqr*c give the reason for the problem. *region-id* is the last four digits of the region identifier, or blank.

Severity: 8

System Action: CSQQTRMN ends.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqcc* and *mqr*c, 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.

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.

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.

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.

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=mqcc MQRC=mqrc. 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.

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. Restart CSQQTRMN.

CSQQ107E *psb-name region-id* **Cannot connect to the queue manager, MQCC=mqcc MQRC=mqrc**

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.

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.

CSQQ108I *psb-name region-id* **LTERM lterm-name not available. Switched to MASTER**

Explanation: The LTERM specified to receive diagnostic messages cannot be used.

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.

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.

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.

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.

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 API 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 CSQQ118I, indicating the message identifier.

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.

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 the queue manager is no longer available.

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.

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.

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.

CSQQ118I *MsgID=msg-id*

Explanation: This message follows message CSQQ113I, indicating the hexadecimal identifier of the message that could not be processed.

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 z/OS.

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=mqrc**

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.

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 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.

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=mqrc**

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.

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.

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.

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.

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.

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.

Severity: 8

System Action: CSQQTRMN ends.

System Programmer Response: Determine the reason for the status code, and restart CSQQTRMN.

CSQQ150I *csect-name* **IBM WebSphere MQ for z/OS**
version

Explanation: This message is issued as part of the header to the report issued by the IMS trigger monitor program.

Severity: 0

CSQQ151I *csect-name* **Trigger Monitor Input Report**
- date time

Explanation: This message is issued as part of the header to the report issued by the IMS trigger monitor program.

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.

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.

Severity: 8

System Action: The statement is ignored.

System Programmer Response: See the *WebSphere MQ for z/OS System Administration 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.

Severity: 0

Chapter 12. 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 MQ-managed resources to a consistent state.

Severity: 0

CSQR002I RESTART COMPLETED

Explanation: This message delimits the completion of the restart process within startup.

Severity: 0

CSQR003I RESTART – PRIOR CHECKPOINT RBA=*rba*

Explanation: The message indicates the first phase of the restart process is in progress and identifies the log positioning RBA of the checkpoint from which the restart process will obtain its initial recovery information.

Severity: 0

CSQR004I RESTART – UR 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 queue manager termination was such that (to ensure MQ 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.

CSQR005I RESTART – FORWARD RECOVERY COMPLETE – 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.

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 – BACKWARD RECOVERY COMPLETE – 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.

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 UR STATUS

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 the queue manager stopped, and to determine the log scope required to restart.

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: From an application using a batch connection
- R** RRS: From an RRS-coordinated application using a batch connection
- C** CICS: From CICS
- I** IMS: From IMS
- S** System: From an internal function of the queue manager or from the channel initiator.

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 *WebSphere MQ for z/OS System Administration Guide* for more information.

S Restart status of the UR. When the queue manager stopped, the UR was in one of these situations:

- B** 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 MQ 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 MQ API call of the application or the first MQ API call following a commit point.

CSQR009E NO STORAGE FOR UR STATUS TABLE, SIZE REQUESTED=xxxx, REASON CODE=yyyyyyyyyy

Explanation: There was not enough storage available during the creation of the recoverable UR (unit of recovery) display table.

System Action: Restart continues but the status table is not displayed.

System Programmer Response: Increase the region size of the xxxxMSTR region before restarting the queue manager.

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 Chapter 36, "Storage manager codes (X'E2)'".

CSQR010E ERROR IN UR STATUS TABLE SORT/TRANSLATE, ERROR LOCATION CODE=xxxx

Explanation: An internal error has occurred.

System Action: Restart continues 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 ERROR IN UR STATUS TABLE DISPLAY, ERROR LOCATION CODE=xxxx

Explanation: An internal error has occurred.

System Action: Restart continues 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.

CSQR020I OLD UOW FOUND

Explanation: During restart, a unit of work was found that predates the oldest active log. Information about the unit of work is displayed in a table in the same format as in message CSQR007I.

System Action: Message CSQR021D is issued and the operator's reply is awaited.

Operator Response: The operator has two options:

- Commit the unit of work, by replying 'Y'.
- Continue, by replying 'N'. The unit of work will be handled by the normal restart recovery processing. Because the unit of work is old, this is likely to involve using the **archive** logs.

CSQR021D REPLY Y TO COMMIT OR N TO CONTINUE

Explanation: An old unit of work was found, as indicated in the preceding CSQR020I message.

System Action: The queue manager waits for the operator's reply.

Operator Response: See message CSQR020I.

CSQR022I OLD UOW COMMITTED, URID=*urid*

Explanation: This message is sent if the operator answers 'Y' to message CSQR021D.

System Action: The indicated unit of work is committed.

CSQR023I OLD UOW UNCHANGED, URID=*urid*

Explanation: This message is sent if the operator answers 'N' to message CSQR021D.

System Action: The indicated unit of work is left for handling by the normal restart recovery process.

CSQR029I INVALID RESPONSE – NOT Y OR N

Explanation: The operator did not respond correctly to the reply message CSQR021D. Either 'Y' or 'N' must be entered.

System Action: The original message is repeated.

Operator Response: Reply as indicated in the repeated message.

CSQR030I Forward recovery log range from RBA=*from-rba* to RBA=*to-rba*

Explanation: This indicates the log range that must be read to perform forward recovery during restart.

System Action: Restart processing continues.

CSQR031I Reading log forwards, RBA=*rba*

Explanation: This is issued periodically during restart recovery processing to show the progress of the forward recovery phase. The log range that needs to be read is shown in the preceding CSQR030I message.

System Action: Restart processing continues.

Operator Response: If this message is issued repeatedly with the same RBA value, investigate the cause; for example, MQ might be waiting for a tape with an archive log data set to be mounted.

CSQR032I Backward recovery log range from RBA=*from-rba* to RBA=*to-rba*

Explanation: This indicates the log range that must be read to perform backward recovery during restart.

System Action: Restart processing continues.

CSQR033I Reading log backwards, RBA=*rba*

Explanation: This is issued periodically during restart recovery processing to show the progress of the backward recovery phase. The log range that needs to be read is shown in the preceding CSQR032I message.

System Action: Restart processing continues.

Operator Response: If this message is issued repeatedly with the same RBA value, investigate the cause; for example, MQ might be waiting for a tape with an archive log data set to be mounted.

Chapter 13. Utilities messages (CSQU...)

CSQU000I *csect-name* IBM WebSphere MQ for z/OS
version

Explanation: This message is issued as part of the header to the report issued by the utility program.

Severity: 0

CSQU001I *csect-name* Queue Manager Utility – *date*
time

Explanation: This message is issued as part of the header to the report issued by the utility program.

Severity: 0

System Action: The message is followed by a copy of the function statements from the SYSIN data set.

CSQU002E Unable to get storage of size *n* bytes,
return code=*ret-code*

Explanation: An attempt to obtain some storage failed.

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 Unable to free storage at *address*, return
code=*ret-code*

Explanation: An attempt to release storage at *address* back to the system failed.

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 COMMIT successfully completed

Explanation: An MQCMIT call returned a completion code of MQCC_OK.

Severity: 0

CSQU006I BACKOUT successfully completed

Explanation: An MQBACK call returned a completion code of MQCC_OK.

Severity: 0

System Action: The function is terminated.

System Programmer Response: Investigate the error that caused the backout to be done.

CSQU007E MQCMIT failed. MQCC=*mqcc*
MQRC=*mqrc*

Explanation: The utility program was unable to commit the last set of changes.

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 MQBACK failed. MQCC=*mqcc*
MQRC=*mqrc*

Explanation: The utility program was unable to back out the last set of changes.

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 MQCONN failed for *conn-id*.
MQCC=*mqcc* MQRC=*mqrc*

Explanation: An attempt to connect to a queue manager or queue-sharing group named *conn-id* was unsuccessful.

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 MQDISC failed for *conn-id*. MQCC=*mqcc*
MQRC=*mqrc***

Explanation: An attempt to disconnect from a queue manager or queue-sharing group named *conn-id* was unsuccessful.

Severity: 4

System Action: The utility program terminates. (This is not an error, because the disconnection request is the last function that the utility program processes.)

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

CSQU011I 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 utility program.

It is produced when the utility is invoked by distributed queuing to handle the CSQINPX data set.

Severity: 0

CSQU012I Initialization command handling completed

Explanation: The initialization command handler, which processes the CSQINPX command data set, completed successfully.

Severity: 0

CSQU013E 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.

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 *WebSphere MQ for z/OS System Setup Guide* for information about the initialization command handler and the CSQINPX or CSQOUTX data sets, and the *WebSphere MQ for z/OS System Administration Guide* for

information about the COMMAND statement.

CSQU020E Unable to OPEN *ddname* data set

Explanation: The program was unable to open data set *ddname*.

Severity: 8

System Action: If the SYSPRINT or SYSIN data sets cannot be opened, the 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 job log to determine the reason for the error. Check that the data set has been correctly specified.

CSQU023E Unable to CLOSE *ddname* data set

Explanation: The input data set *ddname* is still open after a request was made to close it.

Severity: 4

System Action: The program continues with its termination procedures.

System Programmer Response: Examine the error message that has been sent to the job log to determine the reason for the error. Check that the data set has been correctly specified.

CSQU024E IDENTIFY failed for *ddname* data set. DIV return code=*rc* reason code=*code*

Explanation: The utility program received a DIV IDENTIFY error for the page set it was attempting to process (pointed to by *ddname*).

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 ACCESS failed for *ddname* data set. DIV return code=*rc* reason code=*code*

Explanation: The utility program received a DIV ACCESS error for the page set it was attempting to process (pointed to by *ddname*).

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 MAP failed for *ddname* data set. DIV
return code=*rc* reason code=*code***

Explanation: The utility program received a DIV MAP error for the page set it was attempting to process (pointed to by *ddname*).

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 SAVE failed for *ddname* data set. DIV
return code=*rc* reason code=*code***

Explanation: The utility program received a DIV SAVE error for the page set it was attempting to process (pointed to by *ddname*).

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 UNMAP failed for *ddname* data set. DIV
return code=*rc* reason code=*code***

Explanation: The utility program received a DIV UNMAP error for the page set it was attempting to process (pointed to by *ddname*).

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 UNACCESS failed for *ddname* data set.
DIV return code=*rc* reason code=*code***

Explanation: The utility program received a DIV UNACCESS error for the page set it was attempting to process (pointed to by *ddname*).

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 Page *nn* in data set *ddname* is invalid

Explanation: The 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 *ddname*.

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 Queues *q-name* does not exist

Explanation: The specified queue does not exist.

Severity: 8

System Action: The function is terminated.

System Programmer Response: Check the queue name that was specified.

CSQU032E Page set *psid* is invalid

Explanation: The utility program has encountered a page set that is invalid. The page set is in an inconsistent state and so the standalone utility functions cannot process it.

Severity: 8

System Action: The function is terminated.

System Programmer Response: This may be the result of performing a fuzzy backup (as described in the *WebSphere MQ for z/OS System Administration Guide*) or because the queue manager terminated abnormally. Restart the queue manager and then terminate it normally.

| **CSQU036E Utility not available – restricted
| functionality**

| **Explanation:** The utility cannot operate because the
| installation and customization options chosen for
| WebSphere MQ do not allow all functions to be used.

| **System Action:** The utility is terminated.

CSQU040E Unable to GET from *ddname* data set

Explanation: The program was unable to read a record from the *ddname* data set.

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 job log to determine the reason for the error. Check that the data set has been correctly specified.

CSQU043E 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.

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 job log to determine the reason for the error. Check that the data set has been correctly specified.

CSQU046I making client channel definitions in *ddname* data set using CCSID *ccsid*

Explanation: This message indicates that the COMMAND function will build client channel definitions in data set *ddname*, and that the data will have a coded character set identifier of *ccsid*.

Severity: 0

CSQU047E Unable to convert data for client channel definitions. MQCC=*mqcc* MQRC=*mqrc*

Explanation: When building a client channel definition file, data for a channel or authentication information object could not be converted from the character set used by the queue manager to that requested by the CCSID keyword.

Severity: 8

System Action: The channel or authentication information 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.

CSQU048I *n* authentication objects included, *m* excluded

Explanation: This message indicates, for the current function, how many sets of authentication information were included in the client channel definition file, and how many were excluded. Authentication information may be excluded because:

- the LDAPUSER and LDPAPWD attributes are not blank
- there are too many sets of information
- there was a data conversion error.

Severity: 0

System Programmer Response: If some information has been excluded, check that the authentication information objects have been selected correctly.

CSQU049I *n* client channel definitions made

Explanation: This message indicates how many client channel definitions were made by the current function.

Severity: 0

CSQU050E Command of length *length* is too long. Command rejected

Explanation: In the COMMAND function, the assembled command had more than 32 762 characters.

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 *WebSphere MQ for z/OS System Administration Guide*.

CSQU051E 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.

Severity: 4

System Action: The next command will be processed, unless there have been too many timeouts.

System Programmer Response: Increase the value of RESPTIME, especially if the command is being sent to a remote queue manager, and check the remote queue definitions.

If the problem persists, check the definitions of the the system-command input queue and the the system-command reply queue; ensure that they are enabled for MQGET and MQPUT. If the definitions are correct, stop and restart the command server.

CSQU052E Too many timeouts

Explanation: In the COMMAND function, get processing for a response has timed out four times.

Severity: 8

System Action: No more commands are processed.

System Programmer Response: See message CSQU051E.

CSQU053I DISPLAY command response not recognized

Explanation: In the COMMAND function, the responses to a DISPLAY command were not as expected.

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 to report the problem.

CSQU054I Executing function for object type *objtyp*

Explanation: The utility program is executing function *function* to process objects of the type indicated.

Severity: 0

CSQU055I Target queue manager is *qmgr-name*

Explanation: This message is issued to indicate which queue manager your commands are directed to.

Severity: 0

CSQU056I Making DEFINE commands in *ddname* data set

Explanation: This message indicates that DEFINE commands for the COMMAND or SDEFS functions will be built in data set *ddname*.

Severity: 0

CSQU057I *n* commands read

Explanation: This message indicates how many commands have been read from the command input data set by the current function.

Severity: 0

CSQU058I *n* commands issued and responses received, *m* failed

Explanation: This message indicates, for the current function, how many commands were sent and produced responses, and how many of these did not execute successfully.

Severity: 0

CSQU059I *n* DEFINE commands made

Explanation: This message indicates how many DEFINE commands were made for the current function.

Severity: 0

CSQU060E Incorrect length data record. *n* bytes found, *exp-length* bytes expected

| **Explanation:** In the LOAD function, the utility
| program has encountered a record with the wrong
| length while reading from the input data set. The
| record was of length *length* instead of *exp-length*.

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 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.

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.

| **CSQU062E Incorrect format data record**

| **Explanation:** In the LOAD function, the utility
| program has encountered a record that it does not
| recognize while reading from the input data set.

| **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 Command processing stopped

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 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.

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 *WebSphere MQ for z/OS System Administration Guide*.

CSQU080E 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.

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 MQGET failed for queue *q-name*.
MQCC=*mqcc* MQRC=*mqrc*

Explanation: The MQGET call for *q-name* was unsuccessful.

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 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.

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 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.

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 MAXUMSGS reached. A syncpoint has been forced

Explanation: Because MAXUMSGS has been reached, a syncpoint has been taken which commits the queue changes made so far.

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 OPEN failed for *ddname* data set. VSAM
return code=*rc* reason code=*reason*

Explanation: The 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 *ddname* data set is non-empty. Page set
not formatted

Explanation: Data set *ddname* has been opened, but it is not empty.

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 *function* completed for *ddname* data set

Explanation: Processing of *ddname* data set for function *function* has completed.

Severity: 0

System Action: Processing continues with the next page set.

CSQU093E PUT failed for *ddname* data set. VSAM
return code=*rc* reason code=*code*

Explanation: The utility program received a VSAM
PUT error for the page set it was attempting to process
(pointed to by *ddname*).

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 CLOSE failed for *ddname* data set.
VSAM return code=*rc* reason
code=*reason*

Explanation: The utility program received a VSAM
CLOSE error for the page set it was attempting to
process (pointed to by *ddname*).

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 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.

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 *ddname* DD statement missing

Explanation: Data set *ddname* does not have a DD
statement in the JCL.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Add the required
statement to the JCL, and resubmit the job.

CSQU101E 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.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Add the required
statement to the JCL, and resubmit the job.

CSQU102E No functions requested

Explanation: There are no function statements in the
SYSIN data set.

Severity: 8

System Action: The utility is terminated.

CSQU103E 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.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: See the *WebSphere MQ
Script (MQSC) Command Reference* manual for
information about the correct syntax required for the
statement, and resubmit the job.

CSQU104E Invalid value *value* for keyword *keyword*

Explanation: The statement syntax is incorrect because
the value given for keyword *keyword* is not valid.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: See the *WebSphere MQ
for z/OS System Administration Guide* for information
about the correct syntax required for the statement, and
resubmit the job.

CSQU105E Incompatible keywords or values for
function *function*

Explanation: The statement syntax is incorrect because
a keyword value that is specified conflicts with another
keyword or its value.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: See the *WebSphere MQ
for z/OS System Administration Guide* for information
about the correct syntax required for the statement, and
resubmit the job.

CSQU106E Invalid function *function*

Explanation: The statement syntax is incorrect because the function *function* is not recognized.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: See the *WebSphere MQ for z/OS System Administration Guide* for a list of valid functions, and resubmit the job.

CSQU107E Invalid *function* statement syntax

Explanation: The syntax of the *function* statement is incorrect:

- there are too many keywords or values
- required keywords are missing
- it cannot be parsed.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: See the *WebSphere MQ for z/OS System Administration Guide* for information about the correct syntax required for the statement, and resubmit the job.

CSQU108E Value missing for keyword *keyword*

Explanation: Keyword *keyword* should be followed by a value, but the value is missing.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: See the *WebSphere MQ for z/OS System Administration Guide* for information about the correct syntax required for the statement, and resubmit the job.

CSQU109E Value not allowed for keyword *keyword*

Explanation: Keyword *keyword* should not be followed by a value, but a value is specified.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: See the *WebSphere MQ for z/OS System Administration Guide* for information about the correct syntax required for the statement, and resubmit the job.

CSQU110E Keyword *keyword1* not allowed without *keyword2*

Explanation: The statement syntax is incorrect because keyword *keyword1* can be specified only if *keyword2* is also specified.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: See the *WebSphere MQ Script (MQSC) Command Reference* manual for information about the correct syntax required for the statement, and resubmit the job.

CSQU111E Invalid keyword *keyword* for function *function*

Explanation: The statement syntax is incorrect because the keyword *keyword* is not valid for function *function*.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: See the *WebSphere MQ for z/OS System Administration Guide* for information about the correct syntax required for the statement, and resubmit the job.

CSQU112E Incomplete statement

Explanation: End of data on the input data set was reached while the building of a statement had not been completed.

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 *WebSphere MQ for z/OS System Administration Guide*.

CSQU113E Too many statement continuations

Explanation: The statement has more than 10 continuations.

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 *WebSphere MQ for z/OS System Administration Guide*.

CSQU114E Keyword *keyword* repeated

Explanation: The statement syntax is incorrect because a keyword is repeated.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Check the syntax in the input data set. See the *WebSphere MQ for z/OS System Administration Guide* for further information about the utility program.

CSQU115E 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 a command was not received in time.

Severity: 4

System Action: The function is terminated.

System Programmer Response: Check the definitions of the the system-command input queue and the the system-command reply queue; ensure that they are enabled for MQGET and MQPUT. If the definitions are correct, stop and restart the command server.

CSQU116I No storage classes found for page set *psid*

Explanation: The page set specified has no storage classes associated with it.

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 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.

Severity: 8

System Action: The function is terminated.

System Programmer Response: If required, correct the page set specified, and rerun the job.

CSQU120I Connecting to *conn-id*

Explanation: The utility program is connecting to the named queue manager or queue-sharing group.

Severity: 0

CSQU121I Connected to queue manager *qmgr-name*

Explanation: The utility program has connected successfully to queue manager *qmgr-name*.

Severity: 0

CSQU122I Executing *function-name*

Explanation: The utility program is executing function *function-name*.

Severity: 0

CSQU123I Processing *ddname* data set, mode
FORCE

Explanation: The current function of the utility program is handling data set *ddname* using the FORCE option.

Severity: 0

CSQU124I Processing *ddname* data set

Explanation: The current function of the utility program is handling data set *ddname*.

Severity: 0

CSQU125I *n* page sets attempted

Explanation: This message indicates how many page sets the current function has attempted to process.

Severity: 0

CSQU126I *n* page sets processed successfully

Explanation: This message indicates how many page sets have been processed successfully by the current function.

Severity: 0

CSQU127I Executing *function* using input from
ddname data set

Explanation: The utility program is executing function *function* using input from *ddname*.

Severity: 0

CSQU128I Executing *function* outputting to *ddname*
data set

Explanation: The utility program is executing function *function*, and is writing the output to *ddname*.

Severity: 0

CSQU129I Copying page set *psid*

Explanation: The utility program is copying page set *psid*.

Severity: 0

CSQU130I Copying queue *q-name*

Explanation: The utility program is copying queue *q-name*.

Severity: 0

CSQU131I *n* messages copied successfully

Explanation: This message indicates how many messages have been copied successfully when copying a queue.

Severity: 0

CSQU132I *n* records written

Explanation: This message indicates how many records have been written when copying a queue.

Severity: 0

CSQU133I *n* queues attempted

Explanation: This message indicates how many queues the program attempted to copy while copying a page set.

Severity: 0

CSQU134I *n* queues copied successfully

Explanation: This message indicates how many queues were copied successfully while copying a page set.

Severity: 0

CSQU135I Loading queue *q-name*

Explanation: The utility program is loading queue *q-name*.

Severity: 0

CSQU136I *n* messages loaded successfully

Explanation: This message indicates how many messages were loaded onto a queue.

Severity: 0

CSQU137I *n* records read

Explanation: This message indicates how many records were read while loading messages onto a queue.

Severity: 0

CSQU138I *n* queues loaded successfully

Explanation: This message indicates how many queues were loaded successfully.

Severity: 0

CSQU139I Emptying page set *psid*

Explanation: The utility program is emptying page set *psid*.

Severity: 0

CSQU140I Emptying queue *q-name*

Explanation: The utility program is emptying queue *q-name*.

Severity: 0

CSQU141I *n* messages deleted successfully

Explanation: This message indicates how many messages were deleted while emptying a queue.

Severity: 0

CSQU142I *n* queues emptied successfully

Explanation: This message indicates how many queues have been emptied.

Severity: 0

CSQU143I *n* function statements attempted

Explanation: This message indicates the number of *function* statements attempted by the utility program.

Severity: 0

CSQU144I *n* function statements executed successfully

Explanation: This message indicates the number of *function* statements executed successfully by the utility program.

Severity: 0

CSQU145I *function* statement failed

Explanation: The utility program experienced an error while executing function *function*.

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.

Severity: 8

System Action: The utility ends.

System Programmer Response: See the *WebSphere MQ for z/OS System Administration 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.

Severity: 0

System Action: The utility ends.

System Programmer Response: Check any functions that failed.

CSQU150I *function* **completed for data set ddname1 to data set ddname2**

Explanation: Processing for data set *ddname1* has completed, with output to *ddname2*.

Severity: 0

System Action: Processing continues with the next page set.

CSQU151I **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.

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 *ddname1* **DD statement missing. No action taken for ddname2 data set**

Explanation: Only one of the source-target pair of page set data sets (CSQSnnnn and CSQTnnnn) was specified.

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 **Target data set ddname is smaller than source data set. Function terminated**

Explanation: A COPYPAGE or RESETPAGE function could not process a page set data set because the target data set *ddname* was too small.

Severity: 4

System Action: Processing continues with the next page set.

CSQU155I **Loading from queue q-name**

Explanation: The utility program is loading the queue named in message CSQU135I with messages copied from queue *q-name*.

Severity: 0

CSQU156E **GET failed for ddname data set. VSAM return code=rc reason code=code**

Explanation: The utility program received a VSAM GET error for the page set it was attempting to process (pointed to by *ddname*).

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 **Processing data set ddname1 to ddname2**

Explanation: The current function is handling data set *ddname1*, with output to *ddname2*.

Severity: 0

CSQU158E **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.

Severity: 4

System Action: Processing continues with the next page set.

System Programmer Response: Specify a valid target page set, and resubmit the job.

CSQU159E Source data set *ddname1* is not a page set

Explanation: The COPYPAGE and RESETPAGE functions can only be used with an MQ page set.

Severity: 4

System Action: Processing continues with the next page set.

System Programmer Response: Specify a valid source page set, and resubmit the job.

CSQU160E Data set *ddname* is not suitable for use with the function

Explanation: The function should only be used with page sets for a queue manager that terminated normally.

Severity: 4

System Action: Processing continues with the next page set.

System Programmer Response: Specify a valid page set, and resubmit the job.

CSQU161I *ddname* contains *pp* pages and was formatted as page set *nn*

Explanation: This is part of the response to the PAGEINFO function for data set *ddname*.

It shows the size of the page set, and the page set number that was assumed when it was formatted. The number is derived from the DD name used when formatting, which was CSQP00*nn*.

Severity: 0

CSQU162I *ddname* is used as page set *psid* for queue manager *qmgr-name*

Explanation: This is part of the response to the PAGEINFO function for data set *ddname*.

The page set has been used by the queue manager shown. The page set number is not necessarily the same as that with which it was formatted, as shown in message CSQU161I.

Severity: 0

CSQU163I *ddname* has page set recovery RBA = *rba*

Explanation: This is part of the response to the PAGEINFO function for data set *ddname*.

Severity: 0

CSQU164I *ddname* System recovery RBA for all page sets successfully processed = *rba*

Explanation: This is part of the response to the PAGEINFO function. Note that this RBA relates only to those page sets processed; it does not relate to the whole queue manager unless all the page sets for the queue manager are included.

Severity: 0

CSQU165I Processing *ddname* data set, TYPE(*type*)

Explanation: This current function of the utility program is handling data set *ddname* with the options shown.

Severity: 0

CSQU166I Processing *ddname* data set, TYPE(*type*), mode FORCE

Explanation: This current function of the utility program is handling data set *ddname* with the options shown.

Severity: 0

CSQU167I *ddname* has never been initialized by a queue manager

Explanation: This is part of the response to the PAGEINFO function for data set *ddname*.

Severity: 0

CSQU168E Requested page sets are for more than one queue manager

Explanation: The page sets for which information was requested are associated with more than one queue manager. No system recovery RBA can therefore be determined.

Severity: 4

System Action: Processing continues.

System Programmer Response: Specify a set of page sets for a single queue manager, and resubmit the job.

CSQU200I *csect-name* Dead-letter Queue Handler Utility – date time

Explanation: This message is issued as part of the header to the report issued by the utility program.

Severity: 0

CSQU201I Processing queue *q-name*

Explanation: The dead-letter queue handler has parsed the rules table without detecting any errors and is about to start processing the queue identified in the message.

Severity: 0

**CSQU202I Dead-letter queue handler ending.
Successful actions: *n1* retries, *n2*
forwards, *n3* discards**

Explanation: The dead-letter queue handler is ending because there are no more messages on the dead-letter queue, or because the queue manager is shutting down, or because the dead-letter queue handler has detected an error. The message indicates how many dead-letter queue messages have been successfully handled.

Severity: 0

System Action: The utility terminates.

System Programmer Response: If the utility ended because of an error, investigate the problem reported in the preceding messages.

CSQU203I *n* messages remain on the dead-letter queue

Explanation: The message indicates how many messages are left on the dead-letter queue when the dead-letter queue handler ends.

Severity: 0

CSQU210I Message does not have a valid MQDLH

Explanation: The dead-letter queue handler retrieved a message from the dead-letter queue, but the message was not prefixed by a valid dead-letter queue header (MQDLH). This typically occurs because an application is writing directly to the dead-letter queue but is not prefixing messages with a valid MQDLH.

Severity: 4

System Action: The message is left on the dead-letter queue and the dead-letter queue handler continues to process the dead-letter queue.

This message is issued only once the first time such a message is encountered.

System Programmer Response: Remove all the invalid messages from the dead-letter queue. Do not write messages to the dead-letter queue unless they are prefixed by a valid MQDLH.

**CSQU211I Unable to put message, line *n*
MQRC=*mqr*c**

Explanation: The dead-letter queue handler tried to redirect a message to another queue as requested, but the MQPUT call was unsuccessful.

Severity: 4

System Action: The retry count for the message is incremented; processing continues.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqr*c. The line number *n* of the rules table used to determine the action for the message will help identify the queue to which the message was being put.

**CSQU212I Unable to inquire dead-letter queue,
MQCC=*mqq*c MQRC=*mqr*c**

Explanation: An MQINQ call for the dead-letter queue was unsuccessful.

Severity: 4

System Action: Processing continues.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqq*c and *mqr*c.

**CSQU220E Unable to connect to queue manager
qmgr-name, MQCC=*mqq*c MQRC=*mqr*c**

Explanation: The dead-letter queue handler could not connect to the requested queue manager.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqq*c and *mqr*c.

**CSQU221E Unable to open queue manager,
MQCC=*mqq*c MQRC=*mqr*c**

Explanation: An MQOPEN call for the queue manager was unsuccessful.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqq*c and *mqr*c.

**CSQU222E Unable to inquire queue manager,
MQCC=*mqq*c MQRC=*mqr*c**

Explanation: An MQINQ call for the queue manager was unsuccessful.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqcc* and *mqr*.

CSQU223E Unable to close queue manager,
MQCC=mqcc MQRC=mqr

Explanation: An MQCLOSE call for the queue manager was unsuccessful.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqcc* and *mqr*.

CSQU224E Unable to browse dead-letter queue
q-name, MQCC=mqcc MQRC=mqr

Explanation: An MQOPEN call for browsing the dead-letter queue was unsuccessful. This is typically because another process has opened the queue for exclusive access, or because an invalid queue name was specified.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqcc* and *mqr*.

CSQU225E Unable to close dead-letter queue,
MQCC=mqcc MQRC=mqr

Explanation: An MQCLOSE call for the dead-letter queue was unsuccessful.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqcc* and *mqr*.

CSQU226E Line *n*: keyword(*value*) invalid or outside
permitted range

Explanation: The value supplied for the specified keyword in line *n* of the rules table was outside the valid range of values or otherwise invalid.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Correct the rules table and restart the dead-letter queue handler.

CSQU227E Unable to get message from dead-letter
queue, MQCC=mqcc MQRC=mqr

Explanation: An MQGET call for the dead-letter queue was unsuccessful.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqcc* and *mqr*.

CSQU228E Unable to commit or backout dead-letter
queue action, MQCC=mqcc MQRC=mqr

Explanation: An MQCOMMIT or MQBACK call for the dead-letter queue was unsuccessful.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqcc* and *mqr*.

CSQU229E Rules table is invalid or missing

Explanation: The rules table contained no valid message templates or was not supplied at all.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Correct the rules table as indicated in the preceding messages and restart the dead-letter queue handler.

CSQU230E Unable to obtain storage

Explanation: The dead-letter queue handler was unable to obtain storage.

This problem would typically arise as a result of some wider problem. For example, if there is a persistent problem that is causing messages to be written to the dead-letter queue and the same problem (for example, queue full) is preventing the dead-letter queue handler from taking the requested action with the message, ever-increasing amounts of storage would be required.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Increase the storage available to the utility. Investigate whether some wider problem exists, and if the dead-letter queue contains a large number of messages.

CSQU231E Line *n*: parameter *keyword* exceeds maximum length

Explanation: The value for the specified parameter in line *n* of the rules table is too long.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Correct the rules table and restart the dead-letter queue handler.

CSQU232E Line *n*: parameter *keyword* is duplicated

Explanation: Two or more parameters of the same type were supplied in line *n* of the rules table.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Correct the rules table and restart the dead-letter queue handler.

CSQU233E Line *n*: syntax error

Explanation: There is a syntax error in line *n* of the rules table.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Correct the rules table and restart the dead-letter queue handler.

CSQU234E Unable to release storage

Explanation: The dead-letter queue handler was unable to release storage.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Investigate the problem reported in the preceding messages.

CSQU235E Line *n*: *keyword* value invalid or outside permitted range

Explanation: The value supplied for the specified parameter in line *n* of the rules table was outside the valid range of values or otherwise invalid.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Correct the rules table and restart the dead-letter queue handler.

CSQU236E *n* error(s) in rules table

Explanation: Errors have been detected in the rules table.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Correct the rules table as indicated in the preceding messages and restart the dead-letter queue handler.

CSQU237E Line *n*: invalid keyword combination

Explanation: There is an invalid combination of parameters in line *n* of the rules table. For example: no ACTION specified, ACTION(FWD) specified without FWDQ, HEADER specified without ACTION(FWD).

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Correct the rules table and restart the dead-letter queue handler.

CSQU249E Unable to disconnect from queue manager, MQCC=*mqcc* MQRC=*mqrc*

Explanation: An MQDISC call for the queue manager was unsuccessful.

Severity: 8

System Action: The utility is terminated.

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

CSQU500I *csect-name* Queue-sharing Group Utility – date time

Explanation: This message is issued as part of the header to the report issued by the utility program.

Severity: 0

CSQU501I *function* function requested

Explanation: This message identifies the utility function requested.

Severity: 0

CSQU502I Queue manager=*qmgr-name*

Explanation: This message identifies the queue manager name for which the function is requested.

Severity: 0

CSQU503I QSG=qsg-name, DB2 DSG=dsg-name, DB2 ssid=db2-name

Explanation: This message identifies the queue-sharing group, DB2 data-sharing group, and DB2 subsystem names for which the function is requested.

Severity: 0

CSQU504E Unable to load module-name, reason=ssssrrrr

Explanation: The utility was unable to load a required module. ssss is the completion code and rrrr is the reason code (both in hexadecimal) from the z/OS LOAD service.

Severity: 8

System Action: The utility 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 utility attempts to load this module from the library data sets under the STEPLIB DD statement.

CSQU505E No EXEC PARM parameters

Explanation: No parameters for the utility were specified in EXEC PARM field.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Specify the required parameters and rerun the job. See the *WebSphere MQ for z/OS System Administration Guide* for information about the parameters required by the utility.

CSQU506E Invalid EXEC PARM function parameter

Explanation: The function requested for the utility, as the first parameter in EXEC PARM field, was invalid.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Correct the parameter and rerun the job. See the *WebSphere MQ for z/OS System Administration Guide* for information about the parameters required by the utility.

CSQU507E Wrong number of EXEC PARM parameters for function

Explanation: The number of parameters for the utility specified in EXEC PARM field was incorrect for the function requested.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Correct the parameters and rerun the job. See the *WebSphere MQ for z/OS System Administration Guide* for information about the parameters required by the utility.

CSQU508E Invalid EXEC PARM parameter n

Explanation: The *n*th parameter for the utility specified in EXEC PARM field was invalid for the function requested, or omitted but required by the function requested.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Correct the parameter and rerun the job. See the *WebSphere MQ for z/OS System Administration Guide* for information about the parameters required by the utility.

CSQU509E Too many EXEC PARM parameters

Explanation: The number of parameters for the utility specified in EXEC PARM field was too many for the function requested.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Correct the parameters and rerun the job. See the *WebSphere MQ for z/OS System Administration Guide* for information about the parameters required by the utility.

CSQU512E Utility terminated, DB2 tables in use

Explanation: The queue-sharing group utility cannot run because the DB2 tables it uses are reserved by another job. The most likely reason is that another instance of the utility is running, or that a queue manager in the queue-sharing group is in the process of starting.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Rerun the job later.

CSQU513E Utility terminated, not APF authorized

Explanation: The queue-sharing group utility is not APF authorized.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Ensure that the library data sets under the STEPLIB DD statement comply with the rules for APF authorization, and rerun the job.

CSQU514E RRSF function *call-name* failed, RC=*rc*

Explanation: The RRS function specified by *call-name* returned an unexpected reason code specified by *rc*.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Take corrective action if necessary and resubmit the job.

Problem Determination: Consult the *DB2 for z/OS Messages and Codes* manual for an explanation of the RRSF reason code.

CSQU515E Unable to access DB2 tables, RC=*rc*
reason=*reason*

Explanation: The call to CSQ5ARO2 module failed with a return code specified by *rc* and reason code specified by *reason*.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Resubmit the job. If the problem persists, note the error codes in the message and contact your IBM support center.

Problem Determination: None.

CSQU517I XCF group *xcf-name* already defined

Explanation: Informational message indicating that the XCF group name specified by *xcf-name* already exists.

Severity: 0

CSQU518E XCF IXCQUERY member error, RC=*rc*
reason=*reason*

Explanation: An unexpected return code specified by *rc* with reason code specified by *reason* was returned from an IXCQUERY request.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Take corrective action if necessary and resubmit the job.

Problem Determination: See the *z/OS MVS Sysplex Services Reference* manual for an explanation of the IXCQUERY return and reason codes.

CSQU520I Summary information for XCF group
xcf-name

Explanation: Informational message indicating that summary data for the XCF group specified by *xcf-name* follows.

Severity: 0

CSQU521I Group contains *n* members:

Explanation: Informational message indicating that the group specified by message CSQU517I contains *n* members.

Severity: 0

CSQU522I Member=*xcf-name*, state=*sss*,
system=*sys-name*

Explanation: Informational message for the XCF group member named by *xcf-name* has state of *sss* and last executed on system *sys-name*.

Severity: 0

CSQU523I User data=*xxx*

Explanation: Informational message containing the 32 bytes of XCF user data to accompany informational message CSQU522I.

Severity: 0

CSQU525E DB2 *db2-name* is not a member of
data-sharing group *dsg-name*

Explanation: There was an inconsistency between the DB2 ssid and data-sharing group name provided in the EXEC PARM field. DB2 ssid specified by *db2-name* is not a member of the DB2 data-sharing group specified by *dsg-name*.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Ensure that the DB2 ssid specified is a member of the DB2 data-sharing group specified.

Problem Determination: None.

CSQU526I Connected to DB2 *db2-name*

Explanation: The utility program has connected successfully to DB2 subsystem *db2-name*.

Severity: 0

CSQU527E No eligible DB2 currently active

Explanation: If a DB2 ssid was specified in the EXEC PARM field then this message indicates that the DB2 subsystem is not currently active on the z/OS system on which the utility job executed.

If a DB2 data-sharing group name was specified in the EXEC PARM field then no eligible DB2 subsystem was active on the z/OS system on which the utility job executed.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: If a DB2 ssid was specified in the EXEC PARM field then ensure that it is active on the z/OS system on which the utility job will execute.

If a DB2 data-sharing group name was specified in the EXEC PARM field then ensure that at least one eligible DB2 subsystem is active on the z/OS system on which the utility job will execute.

CSQU528I Disconnected from DB2 *db2-name*

Explanation: The utility program has disconnected successfully from DB2 subsystem *db2-name*.

Severity: 0

CSQU529E QSG *qsg-name* entry cannot be removed, *n* members are still defined

Explanation: A request to remove the queue-sharing group name in *qsg-name* has failed because *n* members are still defined to it.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: All members of the queue-sharing group must be removed from it before the queue-sharing group itself can be deleted.

Note: Members in a state of ACTIVE or FAILED cannot be removed from a queue-sharing group.

Problem Determination: Use the preceding CSQU522I message to identify which queue-sharing group members are still defined to the queue-sharing group.

CSQU530E QMGR *qmgr-name* entry cannot be removed from QSG *qsg-name*, status is *sss*

Explanation: The queue manager named by *qmgr-name* cannot be removed from the queue-sharing group named by *qsg-name* because it is in an incorrect XCF member state as specified by *sss*.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: If the XCF member state is ACTIVE then stop the queue manager with a STOP QMGR command and resubmit the job.

If the XCF member state is FAILED then start the queue manager and stop it normally using the STOP QMGR command and resubmit the job.

Problem Determination: In order to remove a queue manager from the queue-sharing group it must have XCF member state CREATED or QUIESCED.

CSQU531E QSG *qsg-name* entry cannot be removed, no entry found in DB2 table *table-name*

Explanation: An attempt to remove the queue-sharing group *qsg-name* failed because no entry for it was found in the DB2 table *table-name*.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: If necessary resubmit the job.

Problem Determination: Ensure that the queue-sharing group *qsg-name* was originally defined in the table *table-name*.

Check that the utility job connected to the correct DB2 data-sharing group.

CSQU532E QSG *qsg-name* entry cannot be deleted, DB2 entries still exist for it

Explanation: An attempt to remove the queue-sharing group *qsg-name* was returned a DB2 constraint failure because queue manager entries still exist in the CSQ.ADMIN_B_QMGR table.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Use the REMOVE QMGR function of the CSQ5PQSG utility to remove the entries and then resubmit the job.

Problem Determination: Examine the CSQ.ADMIN_B_QMGR table to determine which queue managers are still defined to the queue-sharing group *qsg-name*.

CSQU533E SQL error. DB2 table=*table-name*, code=*sqlcode*, state=*sss*, data=*sqlerrcd*

Explanation: An unexpected SQL error was returned from DB2. An operation on the table named by *table-name* was returned an SQLCODE specified by *sqlcode* with STATE specified by *sss* and SQLERRCD values specified by *sqlerrcd*.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Resubmit the job if required.

Problem Determination: See the DB2 for z/OS *Messages and Codes* manual for an explanation of the SQL codes.

CSQU534E SQL services error, DB2 table=*table-name*
RC=*rc*

Explanation: An SQL error occurred during an operation on the table specified by *table-name*, as reported in the preceding CSQU533E message. A return code of *rc* was returned from the internal service routine.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: See message CSQU533E.

CSQU535I QSG *qsg-name* entry successfully removed from DB2 table *table-name*

Explanation: Informational message indicating that the queue-sharing group named by *qsg-name* was successfully removed.

Severity: 0

CSQU536E Unable to add QSG *qsg-name* entry, entry already exists in DB2 table *table-name*

Explanation: An attempt to add the queue-sharing group *qsg-name* failed because an entry already exists in the DB2 table *table-name*.

Severity: 8

System Action: The utility program is terminated.

CSQU537I *csect-name* QSG *qsg-name* entry successfully added to DB2 table *table-name*

Explanation: The request to add the queue-sharing group *qsg-name* to the DB2 table *table-name* completed successfully.

Severity: 0

CSQU538E Member record found for QMGR *qmgr-name* XCF group *xcf-name*

Explanation: Informational message indicating that a member record for the queue manager named in *qmgr-name* already exists in the XCF group named by *xcf-name*.

Severity: 8

CSQU539E No QMGR *qmgr-name* entry found in QSG *qsg-name*

Explanation: An attempt to remove the queue manager named by *qmgr-name* from the queue-sharing group named by *qsg-name* failed because no entry was found in the DB2 tables.

Severity: 8

System Action: The utility program is terminated.

CSQU540E Unable to remove QMGR *qmgr-name* – not terminated normally, or needed for recovery

Explanation: The queue manager named by *qmgr-name* cannot be removed from the queue-sharing group because it is currently active, or because it terminated abnormally during its last execution, or because it is needed for backup and recovery purposes.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: If the queue manager is active then stop the queue manager with a STOP QMGR command and resubmit the job.

If the queue manager terminated abnormally during its last execution then start the queue manager and stop it normally using the STOP QMGR command and resubmit the job.

If neither of these cases applies, or if it still cannot be removed, it must be needed for backup and recovery purposes. See the *WebSphere MQ for z/OS System Administration Guide* for information about removing such a queue manager from a queue-sharing group.

CSQU541E QSG array manipulation error, RC=*rc*

Explanation: An internal error occurred during manipulation of the queue-sharing group array data.

An internal routine returned a completion code specified by *rc*.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Resubmit the job. If the problem persists, note the error codes in the message and contact your IBM support center.

CSQU542E Update unsuccessful for QSG *qsg-name*, RC=*rc*

Explanation: An attempt to update the DB2 row for the queue-sharing group named by *qsg-name* failed with return code *rc*.

rc shows the type of failure:

00F5000C

Queue-sharing group row no longer exists

00F50010

Internal error

00F50018

Referential constraint failure

00F50028

Internal error

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Resubmit the job. If the problem persists contact your IBM support center.

CSQU543E Delete unsuccessful for QMGR
qmgr-name, RC=rc

Explanation: The attempt to delete the queue manager *qmgr-name* failed with return code *rc*.

rc shows the type of failure: 00F5000C, queue manager row no longer exists.

Severity: 8

System Action: Processing continues.

System Programmer Response: This may be an indication that the request was made against the wrong DB2 data-sharing group or that a previous attempt terminated prematurely. For the former, the utility should be executed against the correct DB2 data-sharing group. For the latter, no further action need be taken.

CSQU544E IXCDELET request for QMGR
qmgr-name unsuccessful, RC=rc
reason=reason

Explanation: During an attempt to delete queue manager *qmgr-name*, an IXCDELET request was returned an IXC return code of *rc* and reason code of *reason*.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Take corrective action if necessary and resubmit the job.

Problem Determination: See the *z/OS MVS Sysplex Services Reference* manual for an explanation of the IXCDELET return and reason codes.

CSQU545E IXCCREAT request for QMGR
qmgr-name unsuccessful, RC=rc
reason=reason

Explanation: During an attempt to add queue manager *qmgr-name*, an IXCCREAT request was returned an IXC return code of *rc* and reason code of *reason*.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Take corrective action if necessary and resubmit the job.

Problem Determination: See the *z/OS MVS Sysplex Services Reference* manual for an explanation of the IXCCREAT return and reason codes.

CSQU546E Unable to add QMGR *qmgr-name* entry, already exists in DB2 table *table-name*

Explanation: The attempt to add an entry for queue manager *qmgr-name* to the DB2 table *table-name* failed because a row already exists for the queue manager.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Examine the DB2 table specified by *table-name* and determine whether the entry for the queue manager specified by *qmgr-name* is for the correct queue-sharing group. If it is, no further action is required.

CSQU547E Unable to add QMGR *qmgr-name* entry, no QSG *qsg-name* entry exists in DB2 table *table-name*

Explanation: The attempt to add queue manager *qmgr-name* failed because there is no queue-sharing group entry for the queue-sharing group *qsg-name* in the DB2 table *table-name*.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: In order to add a queue manager to a queue-sharing group the DB2 CSQ.ADMIN_B_QSG table must contain a queue-sharing group record for the queue-sharing group named by *qsg-name*.

Examine the DB2 tables and if necessary run the CSQ5PQSG utility ADD QSG function prior to resubmitting this job.

CSQU548E QMGR *qmgr-name* cannot be added to QSG *qsg-name*, no unassigned QMGR number

Explanation: The attempt to add queue manager *qmgr-name* to the queue-sharing group *qsg-name* failed because all queue manager numbers are in use.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: If the queue-sharing group named by *qsg-name* already contains 32 queue managers then the only course of action is to create a new queue-sharing group or remove an existing queue manager.

Problem Determination: A maximum of 32 queue managers can be defined to a queue-sharing group at any one time.

CSQU549I QMGR *qmgr-name* entry successfully added to QSG *qsg-name*

Explanation: The request to add queue manager *qmgr-name* to the queue-sharing group *qsg-name* completed successfully.

Severity: 0

CSQU550I QMGR *qmgr-name* entry successfully removed from QSG *qsg-name*

Explanation: The request to remove queue manager *qmgr-name* from the queue-sharing group *qsg-name* completed successfully.

Severity: 0

CSQU551I QSG *qsg-name* entry successfully added

Explanation: The request to add queue-sharing group *qsg-name* completed successfully.

Severity: 0

CSQU552I QSG *qsg-name* entry successfully removed

Explanation: The request to remove queue-sharing group *qsg-name* completed successfully.

Severity: 0

CSQU553E QMGR *qmgr-name* exists in DB2 table *table-name* as a member of a different QSG

Explanation: An attempt to add the queue manager specified by *qmgr-name* into a queue-sharing group failed because the DB2 table specified by *table-name* indicates that the queue manager is already a member of a different queue-sharing group.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: A queue manager can be a member of only one queue-sharing group at any one time.

Either remove the queue manager from the queue-sharing group it is in and resubmit the job or take no further action.

Problem Determination: Examine the CSQ.ADMIN_B_QMGR table to determine which queue-sharing group the queue manager is already a member of.

CSQU554E QMGR *qmgr-name* entry cannot be removed from QSG *qsg-name*, needed for structure *struc-name* backup

Explanation: The queue manager named by *qmgr-name* cannot be removed from the queue-sharing group named by *qsg-name* because it has information about backups for structure *struc-name*.

If the queue manager is needed for more than one structure, this message will be issued for each one.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Using another queue manager in the queue-sharing group, take a backup of the structure. Ensure that the EXCLINT time value used in the BACKUP CFSTRUCT command is less than the time since the queue manager that you are trying to remove was last stopped. Then resubmit the job.

CSQU555E QMGR *qmgr-name* release level is incompatible with QSG *qsg-name* in DB2 table *table-name*

Explanation: An attempt to add the queue manager specified by *qmgr-name* into a queue-sharing group failed because the DB2 table specified by *table-name* indicates that another queue manager in the queue-sharing group is at an incompatible release level.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: Only queue managers with compatible release levels can be members of the same queue-sharing group. See the *WebSphere MQ for z/OS Concepts and Planning Guide* and the *WebSphere MQ for z/OS System Setup Guide* for information about migration and compatibility between releases.

CSQU580I DSG *dsg-name* is ready for migration

Explanation: The request to migrate the data-sharing group *dsg-name* to use new DB2 tables has successfully verified that the data-sharing group is ready to be migrated.

Severity: 0

System Programmer Response: Perform the migration. You should do this as a conditional step in the same job as the utility migration request, as shown in the sample job CSQ45ATB in the SCSQPROC library.

CSQU581E DSG *dsg-name* has incompatible QMGR levels

Explanation: The data-sharing group *dsg-name* cannot be migrated to use new DB2 tables because the levels of the queue managers using the data-sharing group are incompatible.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: In order to perform the migration, all the queue managers in all the queue-sharing groups that use the data-sharing group must have installed a PTF and been started, to bring them to the necessary level. Examine the CSQ.ADMIN_B.QMGR DB2 table to determine the levels of the queue managers and those which need to be upgraded.

See the *WebSphere MQ for z/OS Concepts and Planning Guide* and the *WebSphere MQ for z/OS System Setup Guide* for full information about migration between releases and the PTF.

CSQU582E *DSG* *dsg-name* has already been migrated

Explanation: The data-sharing group *dsg-name* cannot be migrated to use new DB2 tables because it has already been migrated.

Severity: 8

System Action: The utility program is terminated.

System Programmer Response: As part of the migration, the CSQ.OBJ_B.CHANNEL DB2 table will have its row size increased above 4 KB. The utility found that such a row size already exists. Examine the CSQ.OBJ_B.CHANNEL DB2 table to verify that the migration has already occurred.

See the *WebSphere MQ for z/OS Concepts and Planning Guide* and the *WebSphere MQ for z/OS System Setup Guide* for full information about migration between releases.

CSQU950I *csect-name* IBM WebSphere MQ for z/OS version

Explanation: This message is issued as part of the header to the report issued by the utility program.

Severity: 0

CSQU951I *csect-name* Data Conversion Exit Utility – date time

Explanation: This message is issued as part of the header to the report issued by the utility program.

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.

Severity: 0

System Action: The utility ends.

System Programmer Response: If the return code is non-zero, investigate the errors that were reported.

CSQU954I *n* structures processed

Explanation: This message indicates how many data structures have been processed by the utility program.

Severity: 0

CSQU956E Line *line-number*: structure array field has incorrect dimension

Explanation: The dimension specified for a structure array field was not correct.

Severity: 8

System Action: Processing stops.

System Programmer Response: Correct the field specification and resubmit the job.

CSQU957E 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.

Severity: 8

System Action: Processing continues.

System Programmer Response: Correct the field specification and resubmit the job.

CSQU958E 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.

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 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.

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 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.

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 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.

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 Invalid EXEC PARM

Explanation: The EXEC PARM field was not blank.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Change the JCL, and resubmit the job.

CSQU968E Unable to OPEN *ddname* data set

Explanation: The program was unable to open data set *ddname*.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Examine the error message that has been sent to the job log to determine the reason for the error. Check that the data set has been correctly specified.

CSQU970E Line *line-number*: syntax error

Explanation: There was a syntax error in the indicated line.

Severity: 8

System Action: Processing stops.

System Programmer Response: Correct the error and resubmit the job.

CSQU971E Unable to GET from *ddname* data set

Explanation: The program was unable to read a record from the *ddname* data set.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Examine the error message that has been sent to the job log to determine the reason for the error. Check that the data set has been correctly specified.

CSQU972E Unable to PUT to *ddname* data set

Explanation: The program was unable to write the next record to the *ddname* data set.

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Examine the error message that has been sent to the job log to determine the reason for the error. Check that the data set has been correctly specified.

CSQU999E Unrecognized message code *ccc*

Explanation: An unexpected error message code has been issued by the utility.

Severity: 8

System Action: Processing continues.

System Programmer Response: Note the code *ccc* (which is shown in hexadecimal) and contact your IBM support center to report the problem.

Chapter 14. Agent services messages (CSQV...)

CSQV086E QUEUE MANAGER ABNORMAL TERMINATION REASON=*reason-code*

Explanation: The queue manager is ending abnormally, because an error that cannot be corrected has occurred. This message, which is not automatically deleted from the operator console, is issued during abnormal termination. *reason-code* is the termination reason code. If this abnormal termination is invoked multiple times, the termination reason code that accompanies this message is the reason associated with the first invocation.

System Action: Abnormal termination processing continues.

Operator Response: Notify the system programmer, and restart the queue manager.

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 the queue manager completely terminates, and the dumps. If you suspect an error in WebSphere MQ, see the *WebSphere MQ for z/OS 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.

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 MQ resources have been temporarily suspended. This might result in active threads being suspended awaiting termination of the quiesce period. 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 detailed status of active threads is requested using TYPE(ACTIVE).
- Message CSQV432I provides the formatted report when the summary status of active threads is requested using TYPE(REGIONS).
- Message CSQV406I provides the formatted report when the status of in-doubt threads is requested using TYPE(INDOUBT).
- Message CSQV436I provides the formatted report when the status of in-doubt threads on another queue manager is requested using TYPE(INDOUBT) with QMNAME.

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 S T REQ THREAD-XREF USERID ASID URID
name s t req thread-xref userid asid urid
:
DISPLAY ACTIVE REPORT COMPLETE
```

where:

<i>name</i>	The connection name used to establish the thread.
<i>s</i>	Connection status code:
N	The thread is in IDENTIFY status.
T	The thread has issued CREATE THREAD.
Q	The CREATE THREAD request has been queued. The associated allied task is placed in a wait state.
C	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) MQ 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) MQ 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 MQ.

t Connection type code:

- B** Batch: From an application using a batch connection
- R** RRS: From an RRS-coordinated application using a batch connection
- C** CICS: From CICS
- I** IMS: From IMS
- S** System: From an internal function of the queue manager or from the channel initiator.

req A wraparound counter to show the number of MQ requests.

thread-xref The recovery thread cross-reference identifier associated with the thread. See the *WebSphere MQ for z/OS System Administration 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. If there is no current unit of recovery, it is shown as 000000000000.

Exceptionally, the last line might be:

DISPLAY ACTIVE TERMINATED WITH MAX LINES

if the report was generated in response to a command from a z/OS console and more than 252 response messages were generated. Only 252 response messages are returned.

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 C or D status codes, the information in message CSQ3201E can be used to diagnose a possible MQ 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 *WebSphere MQ for z/OS System Administration 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 a z/OS 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 a z/OS console and more than 252 in-doubt threads were eligible for display.

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 command was unable to find any active connection associated with *connection-name*.

System Action: Command processing continues.

CSQV411I NO ACTIVE THREADS FOUND FOR NAME=connection-name

Explanation: The DISPLAY THREAD command was unable to locate any active threads associated with *connection-name*.

System Action: Command processing continues.

CSQV412I csect-name NO INDOUBT THREADS FOUND FOR NAME=connection name

Explanation: The DISPLAY THREAD command was unable to locate any in-doubt threads associated with *connection name*.

System Action: Command processing continues.

CSQV413E csect-name CONNECTION NAME MISSING

Explanation: A connection name was not supplied with the command, and a default connection name cannot be determined.

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.

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.

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.

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.

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: A DISPLAY THREAD(*) TYPE(ACTIVE) or TYPE(REGIONS) command was issued for all threads, but no active connections were found.

System Action: Command processing continues.

CSQV420I NO INDOUBT THREADS FOUND

Explanation: A DISPLAY THREAD(*) TYPE(INDOUBT) command was issued for all threads, but no in-doubt threads were found.

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.

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.

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.

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.

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.

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.

CSQV432I ACTIVE THREADS –

Explanation: This message comprises the response to the DISPLAY THREAD TYPE(REGIONS) command. It provides the status information for each active connection, as follows:

```
NAME TYPE USERID ASID THREADS
name type userid asid threads
:
:
DISPLAY ACTIVE REPORT COMPLETE
```

where:

name The connection name used.

type The connection type:

 CICS From CICS.

IMS From IMS.

BATCH

From an application using a batch connection.

RRSBATCH

From an RRS-coordinated application using a batch connection.

CHINIT

From the channel initiator.

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.

threads The number of active threads associated with the connection. This excludes fixed internal threads, such as those for the CICS adapter tasks, or the channel initiator listeners.

Exceptionally, the last line might be:

DISPLAY ACTIVE TERMINATED WITH MAX LINES

if the report was generated in response to a command from a z/OS console and more than 252 response messages were generated. Only 252 response messages are returned.

System Action: Processing continues normally.

Operator Response: If the report was truncated, reissue the DISPLAY THREAD request specifying a specific connection name.

CSQV433I QMNAME KEYWORD NOT ALLOWED, NOT IN QUEUE-SHARING GROUP

Explanation: A DISPLAY THREAD TYPE(INDOUBT) or RESOLVE INDOUBT command specifying the QMNAME keyword was issued, but the requesting queue manager *qmgr-name* is not in a queue-sharing group or the requested queue manager *qmgr-name* is not a member of the queue-sharing group.

System Action: Processing for the command is terminated.

Operator Response: Reissue the command correctly.

CSQV434E QMNAME KEYWORD ALLOWED ONLY WITH TYPE(INDOUBT)

Explanation: A DISPLAY THREAD command specifying the QMNAME keyword was issued, but TYPE(INDOUBT) was not specified.

System Action: Processing for the command is terminated.

Operator Response: See the *WebSphere MQ Script (MQSC) Command Reference* manual for information

about the correct syntax of the command. Correct the command syntax, and re-enter the command.

**CSQV435I QMNAME(*qmgr-name*) IS ACTIVE,
COMMAND IGNORED**

Explanation: A DISPLAY THREAD TYPE(INDOUBT) or RESOLVE INDOUBT command specifying the QMNAME keyword was issued, but the requested queue manager *qmgr-name* is active.

System Action: Processing for the command is terminated.

Operator Response: Reissue the command using CMDSCOPE(*qmgr-name*) instead of QMNAME(*qmgr-name*).

CSQV436I INDOUBT THREADS FOR *qmgr-name* –

Explanation: This message comprises the response to the DISPLAY THREAD TYPE(INDOUBT) command when the QMNAME keyword was specified. It provides the status information for each in-doubt unit-of-work on the requested queue manager; the information is displayed in the same format as in message CSQV406I.

System Action: Processing continues normally.

Operator Response: If the report was truncated, reissue the DISPLAY THREAD request specifying a specific connection name.

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 z/OS 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 JCL 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 JCL procedure and specify a non-zero value for the EXITTCB system parameter. See the *WebSphere MQ for z/OS System Setup 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 completion code and *rrrr* is the reason code (both in hexadecimal) from the z/OS 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 JCL procedure xxxxMSTR.

**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=*sssuuuu-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 z/OS 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 z/OS 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.

Chapter 15. Instrumentation facilities messages (CSQW...)

CSQW001I ASYNCHRONOUSLY GATHERED DATA IS BEING FORMATTED

Explanation: The dump 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.

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 MQ 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

Explanation: The dump formatting exit is using MQ summary dump record information to format its control blocks.

System Action: Dump formatting continues.

System Programmer Response: If you do not want MQ summary dump records to be used in formatting, specify the 'SUMDUMP=NO' and 'SUBSYS=subsystem name' on the MQ 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 OPERANDS ARE NOT VALID. FORMATTING TERMINATED

Explanation: An invalid operand was specified on the MQ DUMP DISPLAY MAIN MENU (if you are using the dump display panels), or in the CSQWDMP verbexit (if you are using line mode IPCS).

System Action: The dump formatting exit terminates.

System Programmer Response: Correct the operand specified by message CSQW007E.

CSQW006E THE ERLY BLOCK CANNOT BE ACCESSED OR IT IS INVALID

Explanation: The dump formatting exit could not locate its anchor block.

System Action: The dump formatting exit terminates.

System Programmer Response: Specify 'SUBSYS=subsystem name', and 'SUMDUMP=NO' on the MQ DUMP DISPLAY MAIN MENU (if you are using the dump display panels), or in the CSQWDMP

verbexit if you are using line mode IPCS.

CSQW007E OPERAND IS NOT VALID: xxxx

Explanation: The specified operand was not a valid dump formatting operand.

System Action: The dump formatting exit terminates.

System Programmer Response: Check the dump formatting operands.

CSQW008E THE SCOM CANNOT BE ACCESSED OR IT IS INVALID

Explanation: An error was encountered while trying to retrieve the SCOM.

System Action: The dump formatting exit terminates.

System Programmer Response: If 'SUMDUMP=NO' was specified on the MQ 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 request. Otherwise, specify this operand, and resubmit the request.

CSQW009E THE ADDRESS SPACE REQUESTED IS NOT AVAILABLE

Explanation: The MQ control blocks for the address space specified could not be located.

System Action: Formatting continues of any other requested dump segment.

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 MQ trace table could not be located.

System Action: Formatting of the MQ 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 dump formatting exit could not obtain a large enough work buffer to process the summary dump records.

System Action: The dump formatting exit terminates.

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 dump 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.

System Action: The dump formatting exit terminates.

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.

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.

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 dump formatting exit could not locate the RMVT. The RMVT is required for formatting the MQ trace table and a number of other MQ control blocks.

System Action: Formatting of the MQ 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 MQ control block formatter looping.

System Action: Dump formatting is terminated.

System Programmer Response: Contact your IBM support center.

**CSQW018I SUBSYS= SPECIFIED INCORRECTLY
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.

System Action: Dump formatting is terminated.

System Programmer Response: Specify the name of the subsystem in the 'SUBSYS=' operand, and resubmit the request.

**CSQW020I UNSUCCESSFUL SEARCH FOR THE
ERLY CONTROL BLOCK**

Explanation: A key control block could not be located in the dump.

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.

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 MQ address space continues to run while the dump is being taken.

System Action: Formatting of the trace table continues.

CSQW024I TRACE TABLE

Explanation: This identifies the start of the formatted trace table.

System Action: Trace table formatting follows.

CSQW025I ERROR ACCESSING THE TRACE TABLE

Explanation: A nonzero return code was returned from the storage access routine when accessing the trace table.

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.

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.

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.

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.

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 MQ control blocks could not be found.

System Action: Control block formatting is terminated.

System Programmer Response: Check the z/OS 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 MQ, see the *WebSphere MQ for z/OS Problem Determination Guide* for information about reporting the problem.

CSQW032E ERROR ACCESSING ANCHOR CONTROL BLOCK

Explanation: A control block cannot be accessed from the dump.

System Action: Control block formatting is terminated.

System Programmer Response: Check the z/OS 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 MQ, see the *WebSphere MQ for z/OS Problem Determination Guide* for information about reporting the problem.

CSQW033I BEGINNING FORMATTING

Explanation: Formatting of MQ control blocks is beginning.

CSQW034I TRACE TABLE AND GLOBAL BLOCKS ALREADY FORMATTED

Explanation: An indicative dump is being requested. The MQ trace table and the global blocks have already been formatted with first dump (full dump) for this abend dump (SNAP) invocation. These are, therefore, not formatted for this task.

CSQW035I WARNING – NO TASK RELATED CONTROL BLOCKS FOR THIS TASK

Explanation: The task for which the dump is being requested is not identified to MQ. Task-related control blocks are not dumped. The MQ 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.

System Action: No MQ 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 tasks that have been identified to MQ with the 'recovery coordinator = no' option. These tasks might not have invoked SNAP, but they are associated with the task that did.

System Action: The appropriate control blocks are formatted.

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 current task.

System Action: The appropriate control blocks are formatted.

System Programmer Response: Examine the control blocks for relevant information.

CSQW038I END OF FORMATTING

Explanation: Formatting of MQ control blocks is completed.

**CSQW039I FORMATTING COMPLETE FOR THIS
DUMP**

Explanation: The dump formatting exit has completed its processing for this dump data set.

**CSQW041E THE TAB CANNOT BE ACCESSED OR
IT IS INVALID**

Explanation: The MQ trace table anchor block could not be located.

System Action: Formatting of the MQ 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 '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.

Check the z/OS 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 MQ, see the *WebSphere MQ for z/OS 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 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.

Severity: 8

System Action: Dump formatting is terminated.

System Programmer Response: Rerun the formatting specifying the parameter the subsystem name (using 'SUBSYS=').

**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.

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=userid, M=module,
C=compid.vrm.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>	MQ 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 MQ version, release number, and modification level
comp-function The component-ID function

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.

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.

CSQW053I VRA DIAGNOSTIC INFORMATION REPORT

Explanation: The variable recording area (VRA) is part of the system diagnostic work area (SDWA) and contains MQ diagnostic information. The VRA is extracted and displayed in this report.

For information about this report, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Dump formatting 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.

System Action: VRA report generation is bypassed, dump format processing continues.

CSQW055I UNABLE TO LOCATE SDWA

Explanation: The z/OS 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 MQ. If the dump was initiated by any other means (such as the operator) the SDWA will not be present.

System Action: No VRA is produced, and dump formatting continues.

CSQW056I VRA DIAGNOSTIC REPORT COMPLETE

Explanation: The dump formatter has completed processing of the VRA diagnostic report.

System Action: Dump formatting continues.

CSQW059I SUMMARY OF CONNECTED JOBS

Explanation: A summary of information about connected jobs follows.

System Action: Job summary information follows.

CSQW060I BEGIN SAVE AREA TRACE

Explanation: This message identifies the start of the MQ register save area trace report which appears in the formatted section of an MQ 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.

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 MQ formatted save area trace report (CSQW060I) is complete.

System Action: Dump formatting continues.

CSQW062I R6 (R6-contents) DOES NOT CONTAIN A VALID EB ADDRESS

Explanation: During dump format processing of the MQ formatted save area trace report (CSQW060I), register 6 (R6) did not contain the address of a valid agent execution block (EB).

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 processing of the save area trace report (CSQW060I), a control block or save area was not found in the dump data set.

Because the dump formatter utilizes the MQ and z/OS 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	MQ address space control element
EB	MQ execution block
TCB	z/OS task control block
RB	z/OS request block
XSB	z/OS extended status block
PSA	z/OS prefix save area
SDWA	z/OS system diagnostic work area
STSV	z/OS SRB status save area
STKE	z/OS 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 MQ and z/OS control structures, some control blocks and save areas associated with these execution environments will not be included in the dump data set.

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 MQ agent execution environments at the time of the error.

Problem Determination: During z/OS RTM recovery processing, MQ attempts to include all control blocks

(both MQ and z/OS), and the pertinent MQ save areas in the dump data set, regardless of the type of error. Control blocks and save areas associated with the MQ 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.

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.

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* BLOCK ID INCORRECT

Explanation: Each control block type has a unique identifier for verification. 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.

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 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.

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 INCORRECT ID

Explanation: Each control block type has a unique identifier for verification. 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.

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* BLOCK EYECATCHER INCORRECT

Explanation: Each control block type has a unique eyecatcher for verification. 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.

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.

CSQW070I DUMP TITLE *dump-title*

Explanation: This shows the title of the dump.

CSQW072I ENTRY: MQ user parameter trace

Explanation: This message is inserted into the formatted MQ trace to indicate that the control block was traced on entry to MQ.

Severity: 0

CSQW073I EXIT: MQ user parameter trace

Explanation: This message is inserted into the formatted MQ trace to indicate that the control block was traced on exit from MQ.

Severity: 0

CSQW074I ERROR: MQ user parameter trace

Explanation: This message is inserted into the formatted MQ trace to indicate that the control block was traced because it was determined to be in error.

Severity: 0

CSQW075I WARNING - data was truncated at 256 bytes

Explanation: This message is inserted into the formatted MQ trace when a control block has exceeded a 256 byte length limit.

Severity: 4

CSQW076I Return code was *mqrc*

Explanation: This message is inserted into the formatted MQ 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.

Severity: 0

CSQW105E ERROR DURING LOAD OR VALIDATION OF A CONTROL BLOCK STRUCTURE TABLE MODULE

Explanation: The MQ dump formatting facility cannot be used to format control blocks. An error occurred during the startup process while attempting to LOAD one of the Control Block Structures Table modules (CSQWDST1, CSQWDST2, CSQWDST3, and CSQWDST4) from the MQ program library.

System Action: Queue manager startup processing continues.

System Programmer Response: If you expect to experience problems, stop your queue manager, resolve the problem, and restart. If however you do not

anticipate that this error will cause problems, you can stop and restart the queue manager at a convenient time.

Problem Determination: The modules must reside in an MQ program library named in the started task JCL procedure (xxxxMSTR) used to start the queue manager.

The named modules prohibit the use of the MQ dump formatting facility to format SVC dumps that occur during the current execution of the queue manager. The named modules are not required for execution of the queue manager itself.

**CSQW108E UNABLE TO AUTOMATICALLY
START 'type' TRACE**

Explanation: System parameters indicated that an MQ trace should be started automatically during queue manager initialization, but the queue manager was unable to start the trace.

System Action: Queue manager initialization continues.

System Programmer Response: Start the trace with the START TRACE command after queue manager initialization is complete.

**CSQW109E TRACE INITIALIZATION
PARAMETERS UNAVAILABLE,
DEFAULTS USED FOR 'type' TRACE**

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.

System Action: Queue manager initialization continues.

System Programmer 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.

System Action: Processing for the TRACE command is terminated.

System Programmer 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 *WebSphere MQ Script (MQSC) Command Reference* manual for information about valid destinations.

**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.

System Action: Processing for the TRACE command is terminated.

System Programmer 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 *WebSphere MQ Script (MQSC) Command Reference* manual for information about valid classes.

**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.

System Action: Processing for the TRACE command is terminated.

System Programmer Response: Either the named keyword must be omitted from the command, or a different type of trace must be specified. See the *WebSphere MQ Script (MQSC) Command Reference* manual for information about valid combinations of keywords and trace types.

**CSQW123I *csect-name* TRACE RECORDING HAS
BEEN RESUMED ON *dest***

Explanation: *dest* destination has resumed acceptance of trace data after an error.

System Action: Data recording is resumed.

**CSQW124E *csect-name* 'type' TRACE TERMINATED
RC=*code* RMID=*nn***

Explanation: During processing *type* trace, processing ended 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 MQ RMIDs, see the *WebSphere MQ Script (MQSC) Command Reference* manual). *code*, 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.

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 VALUES NOT ALLOWED FOR *keyword* AND *keyword*

Explanation: Multiple values were specified for both of the named keywords. At most one of these keywords is allowed multiple values on a single command.

System Action: Processing for the command is terminated.

System Programmer Response: Reenter a valid command. See the *WebSphere MQ Script (MQSC) Command Reference* manual for additional information.

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.

System Action: Processing for the command is terminated.

System Programmer 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.

CSQW127I CURRENT TRACE ACTIVITY IS –

Explanation: This message is issued in response to the DISPLAY TRACE command. For each trace that is active, the message indicates the trace number, the type of trace, the class(es) within type, the destination(s) for the trace entries, the user ID, and the RMID(s), as follows:

```
TNO TYPE CLASS DEST USERID RMID
tno type class dest userid rmid
:
END OF TRACE REPORT
```

The trace number *tno* can be:

- 01-03** A trace started automatically when the queue manager started, or a trace started by a START TRACE command.
- 04-32** A trace started by a START TRACE command.
- 00** The global trace started automatically when the channel initiator started.

CSQW130I '*type*' TRACE STARTED, ASSIGNED TRACE NUMBER *tno*

Explanation: In response to a command, or automatically during queue manager initialization, a *type* trace has been started and assigned the trace number *tno*. Multiple messages are possible when the start command specifies multiple user identifiers.

System Action: Processing for the request continues. If the channel initiator is active and the specified trace applies to RMID 231, a request will be queued for the channel initiator: see message CSQW152I.

CSQW131I STOP TRACE SUCCESSFUL FOR TRACE NUMBER(S) *tno*,...

Explanation: In response to a command, the trace number(s), *tno*,... have been stopped. Up to five trace numbers can be listed. If more than five traces have been stopped, another CSQW131I message is sent.

System Action: Processing for the request continues. If the channel initiator is active and the specified trace applies to RMID 231, a request will be queued for the channel initiator: see message CSQW152I.

CSQW132I ALTER TRACE SUCCESSFUL FOR TRACE NUMBER *tno*

Explanation: The trace number *tno* has been altered.

System Action: Processing for the request continues.

CSQW133E *csect-name* TRACE DATA LOST, *dest* NOT ACCESSIBLE RC=*code*

Explanation: The destination specified stopped accepting trace data during a trace. Some external condition caused the data rejection. The reason for the error is defined by the return code (RC). The value of *code* 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

System Action: Trace processing continues, although data is lost.

System Programmer 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.

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*.

System Action: Processing for the trace already in progress will continue.

CSQW137I SPECIFIED TRACE NOT ACTIVE

Explanation: Either:

- A command requested action for a specific trace, but that trace could not be found in the active trace table.
- A command requested action for all traces, but there are no traces active.

System Action: Processing for the command continues.

System Programmer Response: Issue an unqualified DISPLAY TRACE command (that is, DISPLAY TRACE(*) without any other keywords) to determine all the active trace entries.

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.

System Action: Processing of the trace command is terminated before any trace functions are performed.

System Programmer Response: See the *WebSphere MQ Script (MQSC) Command Reference* manual for the range of valid IFCID numbers.

CSQW143E ALTER TRACE INVOLVING RMID 231
NOT ALLOWED

Explanation: The channel initiator is active and the specified trace applies to RMID 231; such traces cannot be altered.

Severity: 8

System Action: The command is not actioned.

System Programmer Response: Stop the trace and restart it with the new constraints required.

CSQW144E CHANNEL INITIATOR NOT ACTIVE –
RMID 231 SPECIFIED

Explanation: The channel initiator is not active but RMID 231 is specified.

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.

CSQW149I CHANNEL INITIATOR NOT ACTIVE,
TRACING UNCHANGED FOR RMID
231

Explanation: The channel initiator is not active but the specified trace applies to RMID 231.

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 CLASS 1 OR 4 OR DEST(RES) NOT
SPECIFIED, TRACING UNCHANGED
FOR RMID 231

Explanation: The channel initiator is active and the specified trace applies to RMID 231. However, the value of the CLASS keyword does not include 1 or 4, or the value of the DEST keyword does not include RES, which are required for RMID 231.

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 1 or 4 in the CLASS keyword and RES in the DEST keyword.

CSQW151E CLASS 1 OR 4 OR DEST(RES) NOT
SPECIFIED WITH RMID 231

Explanation: The channel initiator is active and RMID 231 is specified. However, the value of the CLASS keyword does not include 1 or 4, or the value of the DEST keyword does not include RES, which are required for RMID 231.

Severity: 8

System Action: The command is not actioned.

System Programmer Response: Reissue the command including 1 or 4 in the CLASS keyword and RES in the DEST keyword.

CSQW152I TRACE REQUEST FOR RMID 231
QUEUED

Explanation: Initial processing for a trace command has completed successfully. The command requires further action by the channel initiator, for which a request has been queued.

Severity: 0

System Action: A request has been queued for the channel initiator. Further messages will be produced when the command has been completed.

CSQW153E *csect-name* **STORAGE NOT AVAILABLE FOR NEW TRACE TABLE**

Explanation: There is insufficient storage in ECSA for a new global trace table as requested by a previous SET SYSTEM TRACTBL command.

Severity: 8

System Action: Processing continues using the existing global trace table.

System Programmer Response: Investigate how ECSA storage is being used. Issue a further SET SYSTEM TRACTBL command to set the trace table size to an acceptable value.

CSQW200E **Error during STORAGE OBTAIN macro. Return code=*rc***

Explanation: The z/OS STORAGE macro was issued to obtain storage for the trace formatter. The request failed with return code *rc*.

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 z/OS STORAGE macro was issued to release some storage. The request failed with return code *rc*.

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: Try processing the dump again. If the problem persists, 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.

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.

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: Try processing the dump again. If the problem persists, contact your IBM support center.

CSQW205E **Internal error**

Explanation: An internal error has occurred.

Severity: 8

System Action: This, and all subsequent records are displayed in hexadecimal. MQ trace formatting is suppressed.

System Programmer Response: Try processing the dump again. If the problem persists, contact your IBM support center.

CSQW206I **Accounting record**

Explanation: This message identifies this record as an accounting record.

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 MQ trace formatter has detected a self-defining section of zero length.

Severity: 4

System Action: Formatting continues with the next self-defining section.

CSQW208E Invalid address detected

Explanation: The MQ trace formatter has been passed an invalid address. The address is in low storage.

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 MQ trace formatter detected a data item of zero length.

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 MQ trace formatter.

Severity: 8

System Action: A hexadecimal dump is produced, and formatting continues with the next record.

System Programmer Response: Try processing the dump again. If the problem persists, contact your IBM support center.

**CSQW701E *csect-name* ENFREQ request failed,
RC=*rc***

Explanation: A z/OS ENFREQ request failed. *rc* is the return code (in hexadecimal) from the request.

Severity: 8

System Action: Processing continues.

System Programmer Response: See the *MVS Authorized Assembler Services Reference* manual for information about the return code the ENFREQ request.

Chapter 16. Distributed queuing messages (CSQX...)

CSQX000I IBM WebSphere MQ for z/OS *version*

Explanation: This message is issued when the channel initiator starts, and shows the release level.

Severity: 0

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.

CSQX002I *csect-name* Queue-sharing group is *qsg-name*

Explanation: This is issued during channel initiator startup processing or in response to the DISPLAY DQM command if the queue manager that the channel initiator uses is in a queue-sharing group.

Severity: 0

System Action: Processing continues.

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 *WebSphere MQ for z/OS System Setup 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=*mqr*

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, SSL server subtask, repository manager, or listener) does not start and the function it provides is unavailable; 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 *mqr* to determine the cause of the problem. If you are unable to solve the problem, contact your IBM support center.

CSQX008E *csect-name* Unable to disconnect from queue manager *qmgr-name*, MQCC=*mqcc* MQRC=*mqr*

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 *mqqc* and *mqrc* to determine the cause of the problem. If you are unable to solve the problem, contact your IBM support center.

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 following an error, as reported in the preceding messages.

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.

CSQX013I *csect-name* **Address conflict for listener for port *port* address *ip-address*, TRPTYPE=TCP INDISP=*disposition***

Explanation: A STOP LISTENER or START LISTENER command was issued specifying TRPTYPE(*trptype*) and INDISP(*disposition*), but that listener was already active for a port and IP address combination that conflicted with the requested port and IP address. If *ip-address* is '*', all IP addresses were requested.

The port and IP address combination specified must match a combination for which the listener is active. It cannot be a superset or a subset of that combination.

Severity: 4

System Action: None.

System Programmer Response: Reissue the command correctly if necessary.

CSQX014E *csect-name* **Listener exceeded channel limit, TRPTYPE=*trptype* INDISP=*disposition***

Explanation: The number of current channels using the indicated communications system *trptype* 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.

disposition shows which type of incoming requests the listener was handling:

QMGR those directed to the target queue manager
GROUP

those directed to the queue-sharing group.

The maximum allowed is specified in the TCPCHL or LU62CHL parameter respectively 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, communications using the indicated system *trptype* are not allowed, and no such 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* **Listener already started,**
TRPTYPE=trptype INDISP=disposition

Explanation: A START LISTENER command was issued specifying TRPTYPE(*trptype*) and INDISP(*disposition*), but that listener was already active.

Severity: 0

System Action: None.

CSQX017I *csect-name* **Listener already started for**
port port address ip-address,
TRPTYPE=TCP INDISP=disposition

Explanation: A START LISTENER command was issued specifying TRPTYPE(TCP) and INDISP(*disposition*), but that listener was already active for the requested port and IP address. If *ip-address* is '*', all IP addresses were requested.

Severity: 0

System Action: None.

CSQX018I *csect-name* **Listener already stopped or**
stopping, TRPTYPE=trptype
INDISP=disposition

Explanation: A STOP LISTENER or START LISTENER command was issued specifying TRPTYPE(*trptype*) and INDISP(*disposition*), but that listener was already stopped or in the process of stopping.

Severity: 0

System Action: None.

CSQX019I *csect-name* **Listener already stopped or**
stopping for port port address ip-address,
TRPTYPE=TCP INDISP=disposition

Explanation: A STOP LISTENER or START LISTENER command was issued specifying TRPTYPE(*trptype*) and INDISP(*disposition*), but that listener was already stopped or in the process of stopping for the requested port and IP address. If *ip-address* is '*', all IP addresses were requested.

Severity: 0

System Action: None.

CSQX020I *csect-name* **Shared channel recovery**
completed

Explanation: The channel initiator startup procedure has successfully completed the shared channel recovery process, for channels that were owned by itself and for channels that were owned by other queue managers.

Severity: 0

System Action: Processing continues.

System Programmer Response: See message

CSQM052I issued by the queue manager for more details.

CSQX021E *csect-name* **Shared channel recovery error**

Explanation: The channel initiator startup procedure did not complete the shared channel recovery process, because an error occurred.

Severity: 0

System Action: The recovery process is terminated; some channels may have been recovered, while others have not.

System Programmer Response: See the error messages (such as CSQM053E) issued by the queue manager for more details. When the problem has been resolved, either start any unrecovered channels manually, or restart the channel initiator.

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.

CSQX023I *csect-name* **Listener started for port port**
address ip-address, TRPTYPE=TCP
INDISP=disposition

Explanation: A START LISTENER command was issued specifying TRPTYPE(*trptype*) and INDISP(*disposition*). That listener is now active for the requested port and IP address. If *ip-address* is '*', all IP addresses were requested.

Severity: 0

System Action: None.

CSQX024I *csect-name* **Listener stopped for port port**
address ip-address, TRPTYPE=TCP
INDISP=disposition

Explanation: A STOP LISTENER command was issued specifying TRPTYPE(*trptype*) and INDISP(*disposition*). That listener is no longer active for the requested port and IP address. If *ip-address* is '*', all IP addresses were requested.

Severity: 0

System Action: None.

CSQX026E *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 data space 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.

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 z/OS STORAGE service.

Severity: 8

System Action: The component where the error occurred (message channel agent, dispatcher, adapter subtask, SSL server 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 z/OS STORAGE service.

Severity: 8

System Action: The component where the error occurred (message channel agent, dispatcher, adapter subtask, SSL server 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 MQ API 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*.

CSQX030I *csect-name* **'type' trace started, assigned trace number tno**

Explanation: During channel initiator initialization, a *type* trace has been started automatically and assigned the trace number *tno*.

System Action: Processing continues.

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 *WebSphere MQ for z/OS System Setup 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 *WebSphere MQ for z/OS System Setup 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 MQ API 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, namelist name, channel name, or authentication information name. (The channel initiator can access channel definitions and authentication information as objects using the MQ API.)

Severity: 8

System Action: The component where the error occurred (message channel agent, dispatcher, adapter subtask, SSL server 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, SSL server 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, SSL server 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, namelist name, channel name, or authentication information name. (The channel initiator can access channel definitions and authentication information as objects using the MQ API.)

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=mqrc**

Explanation: An MQINQ call for *name* was unsuccessful; *name* might be a queue name, queue manager name, namelist name, channel name, or authentication information name. (The channel initiator can access channel definitions and authentication information as objects using the MQ API.)

Severity: 8

System Action: The component where the error occurred (message channel agent, dispatcher, adapter subtask, SSL server 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*.

CSQX041E *csect-name* **Unable to set attributes for name, MQCC=mqcc MQRC=mqrc**

Explanation: An MQSET call for queue *name* was unsuccessful.

Severity: 8

System Action: The component where the error occurred (message channel agent, dispatcher, adapter subtask, SSL server 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 *mqrc*.

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 z/OS 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.

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 z/OS 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.

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 z/OS 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 z/OS services. If you are unable to solve the problem, contact your IBM support center.

CSQX045E *csect-name* **Unable to load module-name, reason=ssssrrrr**

Explanation: The channel initiator was unable to load a required module. *ssss* is the completion code and *rrrr* is the reason code (both in hexadecimal) from the z/OS LOAD service. The module may be one that is part of the channel initiator itself, or the parameter module specified in the PARM keyword of the START CHINIT command.

System Action: The component where the error occurred (message channel agent, dispatcher, adapter subtask, SSL server subtask, repository manager, or listener) does not start and the function it provides is unavailable; in many cases, the end result is that 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 JCL 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 JCL procedure xxxxCHIN.

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

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 z/OS 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.

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 z/OS 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.

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 z/OS 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.

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 JCL 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:

- Queue manager 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 to report the problem.

| **CSQX055E** *csect-name* **Repository manager attach**
| **failed, RC=return-code**

| **Explanation:** The repository manager task could not
| be attached. *return-code* is the return code (in
| hexadecimal) from the z/OS ATTACH service.

| **Severity:** 8

| **System Action:** The channel initiator terminates.

| **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.

CSQX056E *csect-name* **Preinitialization services request failed, function code=func, RC=rc**

Explanation: A preinitialization services (CEEPIPI) call failed. *func* is the function code used (in decimal) and *rc* is the return code (in hexadecimal) from the call.

Severity: 8

System Action: The component where the error occurred (message channel agent or SSL server subtask) terminates. In the case of a message channel agent, the associated channel will be stopped.

System Programmer Response: See the *Language Environment for z/OS & VM Programming Guide* for information about the return code from the CEEPIPI call. If you are unable to solve the problem, contact your IBM support center.

CSQX090I *csect-name* **CHINIT 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, CSQX092I, CSQX093I, CSQX094I,
CSQX095I, CSQX096I, CSQX098I**
csect-name parms

Explanation: This series of messages shows the parameter values that the channel initiator is using. See the *WebSphere MQ for z/OS System Setup 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 X'5C6' and reason code X'00E7010E', and a dump is issued. The channel initiator will attempt to restart it.

System Programmer Response: The most likely cause is incorrect use of the linkage stack by a user channel exit; exits must issue any MQ API 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 to report the problem.

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 X'5C6' and reason code X'00E7010F', and a dump is issued. The channel initiator will attempt to restart it.

System Programmer Response: Contact your IBM support center to report the problem.

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 z/OS ESTAE service.

Severity: 8

System Action: The component that was starting (dispatcher, adapter subtask, SSL server 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.

CSQX105E *csect-name* **Unable to connect to TCP/IP,**
reason=*reason* error data=*ddd*

Explanation: Use of TCP/IP was requested, but an attempt to connect to the TCP/IP address space was not successful. *reason* 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, *ddd* is 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

ddd is *ssssrrrr*, where *ssss* is the completion code and *rrrr* is the reason code (both in hexadecimal) from the z/OS 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 WebSphere MQ was installed.

00000042

Insufficient storage

ddd is the return code (in hexadecimal) from the z/OS STORAGE service.

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 C, "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.

CSQX106E *csect-name* **Unable to connect to TCP/IP**
using OpenEdition, service '*serv*'
RC=*return-code* reason=*reason*

Explanation: Use of TCP/IP with the OpenEdition sockets interface was requested, but an error occurred. *return-code* and *reason* are the return and reason codes

(both in hexadecimal) from the OpenEdition service *serv* that gave the error.

The most likely causes are:

- 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.
- The TCPNAME channel initiator parameter does not specify a valid TCP/IP stack name. These stack names are defined in the SUBFILESYSTYPE NAME parameter in member BPXPRMxx for SYS1.PARMLIB.
- The MAXFILEPROC or MAXPROCUSER parameter in member BPXPRMxx for SYS1.PARMLIB is too small.

Severity: 4

System Action: Processing continues, but communications using TCP/IP with the OpenEdition sockets interface will not be available.

System Programmer Response: See the *z/OS OpenEdition Messages and Codes* manual for information about the codes from the service 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 JCL 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 *WebSphere MQ for z/OS System Setup 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. 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.

CSQX114E *csect-name* **Dispatcher failed,**
reason=*reason*

Explanation: A dispatcher ended abnormally, as reported in the preceding messages, and could not be restarted. *reason* shows the type of failure:

0000000A

Startup error

0000000B

Linkage stack error

0000000D

Uncorrectable error

other Completion code in the form 00*sssuuu*, where *sss* is the system completion code and *uuu* 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 MAXFILEPROC 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

CSQX140E *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.

CSQX141I *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.

CSQX142E *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.

CSQX143E *csect-name* **Adapter subtask ended abnormally, TCB=*tcb-name* reason=*ssssuuu-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. The channel initiator will attempt to restart it.

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 z/OS 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.

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.

CSQX150E *csect-name* **SSL server failed to start**

Explanation: A severe error, as reported in the preceding messages, occurred during SSL server subtask startup processing.

Severity: 8

System Action: The channel initiator will attempt to restart the SSL server subtask.

System Programmer Response: Investigate the problem reported in the preceding messages.

CSQX151I *csect-name* **started SSL server subtasks started, failed failed**

Explanation: The channel initiator startup procedure has started the requested number of SSL server subtasks; *started* SSL server subtasks started successfully and *failed* SSL server subtasks did not start.

Severity: 0

System Action: The channel initiator startup processing continues.

System Programmer Response: If the message indicates that some SSL server subtasks failed, investigate the problem reported in the preceding messages.

CSQX152E *csect-name* **SSL server subtask failed to start, TCB=*tcb-name***

Explanation: A severe error, as reported in the preceding messages, occurred during SSL server subtask startup processing.

Severity: 8

System Action: The channel initiator will attempt to restart the SSL server subtask.

System Programmer Response: Investigate the problem reported in the preceding messages.

CSQX153E *csect-name* **SSL server subtask ended abnormally, TCB=*tcb-name* reason=*sssuuuu-reason***

Explanation: The SSL server 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 SSL server subtask ends abnormally, and a dump is normally issued. The channel initiator will attempt to restart it.

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.

CSQX154E *csect-name* **SSL server subtask attach failed, RC=*return-code***

Explanation: An SSL server subtask could not be attached. *return-code* is the return code (in hexadecimal) from the z/OS ATTACH service.

Severity: 8

System Action: The SSL server 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.

CSQX155E *csect-name* **SSL server subtask not restarted – too many failures**

Explanation: A SSL server subtask failed; because it had already failed too many times, the channel initiator did not attempt to restart it.

Severity: 8

System Action: The SSL server subtask is not restarted; processing capacity might therefore be reduced.

System Programmer Response: Investigate the problems causing the SSL server subtask failures.

CSQX156I *csect-name* **SSL server subtask restarted, active subtasks active**

Explanation: A SSL server subtask failed, but was successfully restarted by the channel initiator. *active* SSL server subtasks are now active.

Severity: 0

System Action: Processing continues.

CSQX160E *csect-name* **SSL communications unavailable**

Explanation: SSL communications are requested but an error, as reported in the preceding messages, occurred during channel initiator startup processing.

Severity: 4

System Action: Processing continues.

System Programmer Response: Investigate the problem reported in the preceding messages. If you do not want to use SSL communications, set the SSLTASKS queue manager attribute to 0.

CSQX161E *csect-name* **SSL key repository name not specified**

Explanation: SSL communications are requested but no SSL key repository name is specified; that is, the SSLTASKS queue manager attribute is non-zero, but the SSLKEYR queue manager attribute is blank.

Severity: 4

System Action: Processing continues, but communications using SSL will not be available.

System Programmer Response: Use the ALTER QMGR command to specify a name for the SSL key repository with the SSLKEYR attribute, and restart the channel initiator. If you do not want to use SSL communications, set the SSLTASKS queue manager attribute to 0.

CSQX162E *csect-name* **SSL CRL namelist is empty or wrong type**

Explanation: SSL communications are requested but the SSL authentication namelist specified by the SSLCRLNL queue manager attribute is empty or not of type AUTHINFO.

Severity: 4

System Action: Processing continues, but communications using SSL will not be available.

System Programmer Response: Correct the definitions of the namelist, and restart the channel initiator. If you do not want to use SSL communications, set the SSLTASKS queue manager attribute to 0.

CSQX163I *csect-name* **SSL CRL namelist has too many names – first *n* used**

Explanation: The SSL authentication namelist specified by the SSLCRLNL queue manager attribute has more names than are supported. The number supported is *n*.

Severity: 4

System Action: Processing continues; the excess names are ignored.

System Programmer Response: Correct the definitions of the namelist.

CSQX164E *csect-name* **Unable to access SSL key repository**

Explanation: The SSL key repository, whose name is specified by the SSLKEYR queue manager attribute, could not be accessed.

The most likely causes are:

- The specified key repository does not exist.
- The channel initiator does not have permission to read the specified key repository.
- The channel initiator was unable to connect to the LDAP server specified in an authentication information object listed in the SSL CRL namelist.

Severity: 4

System Action: Processing continues, but communications using SSL will not be available.

System Programmer Response: Check that the SSL key repository name is specified correctly and that the channel initiator has permission to read it. Check that the LDAP name is specified correctly and that it is available.

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*,
Id=ExitId **reason=ExitReason**

Explanation: The user exit *exit-name* invoked for channel *channel-name* returned invalid values, as reported in the preceding messages. *ExitId* 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_RCV_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.

CSQX199E *csect-name* **Unrecognized message code** *ccc*

Explanation: An unexpected error message code has been issued by the channel initiator.

Severity: 8

System Action: Processing continues.

System Programmer Response: Note the code *ccc* (which is shown in hexadecimal) and contact your IBM support center to report the problem.

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 shown as '????'. *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 end is not running. If so, perform the necessary operations to start the listener for *trptype*, and try again.

See Appendix C, "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 shown as '????'. *trptype* shows the communications system used:

TCP TCP/IP

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 end 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 C, "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 shown as '????'. *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 z/OS command VARY ACTIVE 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.

- If the communications protocol is TCP/IP and the return code from it is zero, there is a name server problem.

If you are using OE sockets, the OMVS command OPING usually fails in the same way. Resolve this failure and restart the channel.

If you are using IBM's TCP/IP, check the */etc/resolv.conf* file and check that the correct name server address is specified in the NSINTERADDR statement.

If you are not using OE sockets, check that the correct TCP/IP data set is being used, for example, in the SYSTCPD DD statement, and that the PING command works.

See Appendix C, "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 shown as '????'. *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 end.

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 C, "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 shown as

'????'. 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 C, "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 (queue
manager qmgr-name) 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* and the associated remote queue manager is *qmgr-name*; in some cases the names cannot be determined and so are shown as '????'. *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 C, "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 (queue manager
qmgr-name) TRPTYPE=trptype

Explanation: Data received from connection *conn-id* was not in the required format. The associated remote queue manager is *qmgr-name*; in some cases its name cannot be determined and so is shown as '????'. *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 (queue
manager qmgr-name) 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* and the associated remote queue manager is *qmgr-name*; in some cases the names cannot be determined and so are shown as '????'. *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 C, "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 (queue manager*
qmgr-name) 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* and the associated remote queue manager is *qmgr-name*; in some cases the names cannot be determined and so are shown as '????'. *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 the TCP/IP command TELNET 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 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 shown as '????'. 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 570 for the cause of the return code from APPC/MVS allocate services, and the *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 shown as '????'. 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 C, "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*
function 'func' 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 the channel name is shown as '????'. If it was for a channel, the channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

trptype shows the communications system used:

TCP TCP/IP
LU62 APPC/MVS

func is the name of the TCP/IP or APPC/MVS function that gave the error. In some cases the function name is not known and so is shown as '????'.

return-code is

- normally, the return code (in hexadecimal) from the communications system function
- 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 C, "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 used:

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* **address** *ip-address*,
TRPTYPE=TCP INDISP=*disposition*,
RC=*return-code*

Explanation: An attempt to bind the TCP/IP socket to the indicated listener port was not successful. *ip-address* is the IP address used, or '*' if the listener is using all

IP addresses. The return code (in hexadecimal) from TCP/IP was *return-code*.

disposition shows which type of incoming requests the listener was handling:

QMGR those directed to the target queue manager
GROUP those directed to the queue-sharing group.

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 C, "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 INDISP=*disposition***

Explanation: An attempt was made to create a new TCP/IP socket because an attach request was received, but an error occurred.

disposition shows which type of incoming requests the listener was handling:

QMGR those directed to the target queue manager
GROUP those directed to the queue-sharing group.

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 shown as '????'. If it was for a listener, the channel name is again shown as '????'. *trptype* shows the communications system used:

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* INDISP=*disposition***

Explanation: An incoming attach request arrived, 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 shown as '????'.

disposition shows which type of incoming requests the listener was handling:

QMGR those directed to the target queue manager
GROUP those directed to the queue-sharing group.

However, this message can also occur in cases where there is no error; for example, if the TCP/IP command TELNET 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* INDISP=*disposition***

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.

disposition shows which type of incoming requests the listener was handling:

QMGR those directed to the target queue manager
GROUP those directed to the queue-sharing group.

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.

CSQX239E *csect-name* **Unable to determine local host name, channel *channel-name*, TRPTYPE=TCP RC=return-code**

Explanation: An attempt was made to start a channel or listener using TCP/IP, but the TCP/IP gethostname call failed. If it was for a channel, the channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'. If it was for a listener, the channel name is again shown as '????'. The return code (in hexadecimal) from TCP/IP was *return-code*.

Severity: 8

System Action: The channel or listener is not started.

System Programmer Response: See Appendix C, "Communications protocol return codes" for information about the cause of the return code from TCP/IP.

CSQX250E *csect-name* **Listener ended abnormally, TRPTYPE=trptype INDISP=disposition, reason=sssuuuu-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).

disposition shows which type of incoming requests the listener was handling;

QMGR those directed to the target queue manager **GROUP**

those directed to the queue-sharing group.

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 INDISP=disposition**

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.

disposition shows which type of incoming requests the listener was handling;

QMGR those directed to the target queue manager **GROUP**

those directed to the queue-sharing group.

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.

CSQX404I *csect-name* **REFRESH REPOS(YES) command processed, cluster *cluster-name*, *n* objects changed**

Explanation: The repository manager successfully processed a REFRESH command with the REPOS(YES) option for the indicated cluster.

Severity: 0

System Action: None.

CSQX405I *csect-name* **FORCEREMOVE QUEUES(YES) command processed, cluster *cluster-name*, target *target***

Explanation: The repository manager successfully processed a RESET ACTION(FORCEREMOVE) command with the QUEUES(YES) option for the indicated cluster and target queue manager.

Severity: 0

System Action: None.

CSQX406E *csect-name* **REFRESH REPOS(YES) command failed, cluster *cluster-name*, – *qmgr-name* is a full repository**

Explanation: The repository manager could not process a REFRESH command with the REPOS(YES) option for the indicated cluster, because the local queue manager provides 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. It may be necessary to change the queue

manager so that it is not a full repository for the cluster.

CSQX407I *csect-name* **Cluster queue** *q-name*
definitions inconsistent

Explanation: The definition of a cluster queue has different values for the DEFPRTY, DEFPSIST, and DEFBIND attributes on the various queue managers in the cluster.

All definitions of the same cluster queue should be identical; otherwise, problems may arise if your applications rely on one of these attributes to determine messaging behavior. For example, if an application opens a cluster queue with the option MQOO_BIND_AS_Q_DEF, and the different instances of the queue have different DEFBIND values, the behavior of the message transfer depends on which instance of the queue happens to be selected when it is opened.

Severity: 4

System Action: None.

System Programmer Response: Alter the definitions of the queue on the various queue managers so that they have identical values for these attributes.

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; the repository manager continues processing. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task JCL 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:

- Queue manager 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; the repository manager continues processing. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task JCL 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:

- Queue manager 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; the

repository manager continues processing. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task JCL 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:

- Queue manager job log
- Channel initiator job log
- The CSQSNAP data set

CSQX417I *csect-name* **Cluster-senders remain for removed queue manager** *qmgr-name*

Explanation: The indicated queue manager has been deleted or forcibly removed from a cluster, but there are manually-defined cluster-sender channels that refer to it. This means that the repository manager will continue to send cluster information to the removed queue manager.

Severity: 0

System Programmer Response: Delete the manually-defined cluster-sender channels that refer to *qmgr-name*.

CSQX418I *csect-name* **Only one repository for cluster** *cluster-name*

Explanation: The repository manager has received information about a cluster for which it is the only full repository.

Severity: 0

System Action: None.

System Programmer Response: If you require a second full repository, alter the REPOS or REPOSNL attribute of the second queue manager that is to have a full repository for the cluster to specify the cluster name.

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 full repositories are known.

Severity: 0

System Action: None.

System Programmer Response: Define a cluster-sender channel for connecting to the queue manager that is the full repository for the cluster, or 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 JCL 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:

- Queue manager 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; the repository manager continues processing. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task JCL 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:

- Queue manager 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 full 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 full repository for the clusters, 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 full 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*.

This can also occur a command destined for the local repository manager is delayed in the network and is out of date when it arrives, for example because a REFRESH CLUSTER command has been issued on the local repository manager has caused its view of the cluster to change.

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 full repository for the cluster.

If the message occurs because a command is out of date, the message can be ignored.

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 full 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 full repository for the cluster.

CSQX431I *csect-name* **Repository unavailable, 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 full 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.

This error may occur if the REFRESH CLUSTER REPOS(YES) command is issued against a full repository, as the full repository will then be temporarily unable to fulfil requests from other repositories until it has rebuilt the cluster. If there is more than one full repository for the cluster, the problem will resolve itself. If there is only a single full repository for the cluster, the REFRESH CLUSTER command will need to be run against all the other queue managers in the cluster to make them contact the full repository again.

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 local 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 local 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 local repository information up to date.

If the problem persists, contact your IBM support center.

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 JCL 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:

- Queue manager job log
- Channel initiator job log
- The CSQSNAP data set

CSQX440E *csect-name* **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* **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 local 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.

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.

CSQX453E *csect-name* **FORCEREMOVE** command failed, cluster *cluster-name*, target *target* is not unique

Explanation: The repository manager could not process a RESET ACTION(FORCEREMOVE) command for the indicated cluster and target queue manager, because there is more than one queue manager with the specified name in the cluster.

Severity: 8

System Action: The command is ignored.

System Programmer Response: Reissue the command specifying the identifier (QMID) of the queue manager to be removed, rather than its name.

CSQX455E *csect-name* **FORCEREMOVE** command failed, cluster *cluster-name*, target *target* not found

Explanation: The repository manager could not process a RESET ACTION(FORCEREMOVE) command for the indicated cluster and target queue manager, because no information about that queue manager was found in the local repository.

Severity: 8

System Action: The command is ignored.

System Programmer Response: Reissue the command specifying the correct queue manager name or identifier.

CSQX456I *csect-name* **Update not received from full repository, cluster** *cluster-name*, **queue** *q-name* (**queue manager** *qmgr-name*)

Explanation: The repository manager detected a cluster queue that had been used in the last 30 days, and for which updated information should have been sent from a full repository. However, no such information has been received. The queue is *q-name* in *cluster-name*, and its queue manager is *qmgr-name*.

Severity: 0

System Action: The repository manager will keep information about this queue for a further 60 days.

System Programmer Response: If the queue is still required, check that:

- The cluster channels to and from the queue manager that is the full repository for the cluster, and between there and the queue manager where the queue is located, are able to run.
- The repository managers on those queue managers have not ended abnormally.

CSQX457I *csect-name* **Repository available, 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 once again a full repository for cluster *cluster-name*.

Severity: 0

System Action: The cluster-sender channel *channel-name* is changed so that it can be used to access the other queue manager in relation to the cluster.

CSQX470E *csect-name* **Channel** *channel-name* **has the wrong disposition**

Explanation: The action you requested cannot be performed on channel *channel-name* because it has the wrong disposition. For example, the action asked for a shared channel, but its disposition is private.

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 transmission queue name identifies the correct queue, and that queue has the required disposition.

The disposition of an instance of a channel is **not** related to that specified by QSGDISP in the channel definition:

- A sending channel is *shared* if its transmission queue is shared, and *private* if it is not.
- A receiving channel is *shared* if it was started in response to an inbound transmission directed to the queue-sharing group, and *private* if it was started in response to an inbound transmission directed to the queue manager.

CSQX471I *csect-name* *nn* **shared channels to restart,** *nn* **requests issued**

Explanation: The channel initiator is shutting down; it owns some active shared sending channels, and they have not been requested to stop. Requests to restart these channels on another queue manager have been issued as shown.

Severity: 0

System Action: The channel initiator shutdown processing continues.

System Programmer Response: If the numbers in the message differ, the channel initiator was not able to issue restart requests for all the channels. In this case, use the DISPLAY CHSTATUS command to determine which channels are still owned by the queue manager for the channel initiator that is shutting down, and

which therefore have not been restarted, and restart them manually as required.

CSQX473E *csect-name* **Listener unable to register to WLM/DNS, TRPTYPE=TCP**
INDISP=disposition host name=hlh server name=sss, RC=return-code reason=reason

Explanation: While starting, the specified TCP/IP listener could not register with WLM/DNS. The return code from the IWMSRSRG service 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 *z/OS MVS Workload Management Services* for more information about the return and reason codes from the IWMSRSRG service.

CSQX474E *csect-name* **Listener unable to unregister from WLM/DNS, TRPTYPE=TCP**
INDISP=disposition host name=hlh server name=sss, RC=return-code reason=reason

Explanation: While stopping, the specified TCP/IP listener could not unregister from WLM/DNS. The return code from the IWMSRDRS service 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 *z/OS MVS Workload Management Services* for more information about the return and reason codes from the IWMSRDRS service.

CSQX475I *csect-name* **Channel channel-name adopted**

Explanation: The specified channel, which was orphaned because of a communications error, has been adopted by a new instance of the channel.

Severity: 0

System Action: Processing continues.

CSQX482E *csect-name* **Shared channel function not available**

Explanation: During the execution of a channel command, or during shared channel processing, an internal function required by the channel initiator was found to be unavailable.

Severity: 8

System Action: The channel command fails or the channel stops.

System Programmer Response: Check that the DB2 tables required by MQ are correctly defined, and restart the queue manager and DB2 if necessary. If these appear to be running correctly, display the information in the shared channel status (CSQ.ADMIN_B_SCST) and the shared synchronization key (CSQ.ADMIN_B_SSKT) DB2 tables, and contact your IBM support center for further assistance. Refer to the *WebSphere MQ for z/OS Problem Determination Guide* for further information, and for details of a sample job (CSQ45STB) which shows the information in the DB2 tables.

CSQX483E *csect-name* **DB2 not available**

Explanation: Because DB2 is not available, or is no longer available, the channel initiator cannot do processing for a shared channel.

Severity: 8

System Action: The channel command fails or the channel stops.

System Programmer Response: Use the preceding messages on the z/OS console to investigate why DB2 is not available, and restart it if necessary.

CSQX484E *csect-name* **Error accessing DB2**

Explanation: Because there was an error in accessing DB2, the channel initiator cannot do processing for a shared channel.

Severity: 8

System Action: The channel command fails or the channel stops.

System Programmer Response: Resolve the error reported in the preceding messages.

CSQX485E *csect-name* **Shared channel status error**

Explanation: During the execution of a channel command, or during shared channel processing, shared channel status or shared synchronization key information, held in DB2, was found to be corrupted.

Severity: 8

System Action: The channel command fails or the channel stops.

System Programmer Response: Check that the DB2 tables required by MQ are correctly defined, and restart DB2 if necessary. If DB2 appears to be running correctly, display the information in the shared channel status (CSQ.ADMIN_B_SCST) and the shared synchronization key (CSQ.ADMIN_B_SSKT) DB2 tables, and contact your IBM support center for further assistance. Refer to the *WebSphere MQ for z/OS Problem*

Determination Guide for further information, and for details of a sample job (CSQ45STB) which shows the information in the DB2 tables.

| **CSQX486E** *csect-name* **Shared channel** *channel-name*
| **definitions inconsistent**

| **Explanation:** The definition of a shared channel has differing attribute values on the various queue managers in the queue-sharing group. For example, if the type of the channel differs start or stop requests cannot operate correctly.

| **Severity:** 8

| **System Action:** The request fails.

| **System Programmer Response:** Change the definitions of the channel so that they are the same on all the queue managers. If the channel type needs changing, you must delete and then redefine the channel.

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 (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 *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 remote end correctly
- For a cluster-receiver channel, the connection name does not specify a generic address
- 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**
channel-name

Explanation: Channel *channel-name* could not be established due to a negotiation failure between the local queue manager and the remote end.

Severity: 8

System Action: The channel is not started.

System Programmer Response: Examine the log for the remote end for messages explaining the cause of the negotiation failure.

CSQX504E *csect-name* **Local protocol error, channel**
channel-name, type=type data=xxx

Explanation: During communications with the remote end, 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 to report the problem.

CSQX505E *csect-name* **Sequence wrap values differ,**
channel *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 end 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 *channel-name*

Explanation: The remote end 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 end did not accept the last batch of messages. Resolve the problem and restart the channel.

CSQX507E *csect-name* **Channel** *channel-name* **is**
in-doubt, connection *conn-id* **(queue**
manager *qmgr-name*)

Explanation: Channel *channel-name* is in-doubt with the remote end using connection *conn-id*. The associated remote queue manager is *qmgr-name*; in some cases its name cannot be determined and so is shown as '????'.

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**
on *qmgr-name*

Explanation: An operation was requested on a channel that is active. If the channel is shared, it may be active on another queue manager.

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.

If the return code is of the form 10009nnn or 20009nnn, it is a distributed queuing message code. This is generally associated with message CSQXnnnE, which will normally be issued previously.

Otherwise the most likely cause is 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: If the return code is a distributed queuing message code, see the corresponding message explanation for more information. Where no such message is described, see Appendix E, “Distributed queuing message codes” for the corresponding message number.

Restart the channel or the channel initiator. If the problem persists, contact your IBM support center.

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.

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 end.

Severity: 8

System Action: The channel does not start.

System Programmer Response: Add an appropriate

channel definition at the remote end, and retry the operation.

CSQX523E *csect-name* **Remote protocol error, channel *channel-name*, type=*type* data=*xxx***

Explanation: During communications with the remote end, 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 end 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.

CSQX524E *csect-name* **Remote queue manager unavailable for channel *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** *channel-name*, **sent=msg-seqno expected=exp-seqno**

Explanation: The local queue manager does not agree with the remote end 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** *channel-name*

Explanation: The remote end 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 end 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* **Queue** *q-name* **for channel** *channel-name* **is in use or wrong type**

Explanation: The queue *q-name* named as a transmission queue in the channel definition for *channel-name* is either in use (by this channel or another channel), or it is not a transmission queue.

Severity: 8

System Action: The channel does not start.

System Programmer Response: Do the following, as appropriate:

- Check if the channel is already running
- Check if another channel is using the queue; use the DISPLAY QSTATUS command
- Ensure the queue name is specified correctly in the channel definition
- Alter the queue usage attribute of the queue to that of a transmission queue.

CSQX533I *csect-name* **Channel** *channel-name* **is already in requested state**

Explanation: A request to stop channel *channel-name* was made, but the channel was already in the specified state, or in the process of reaching that state.

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 JCL 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 and 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,**
channel *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 *WebSphere MQ Application Programming Reference* manual for information about the CCSIDs that are supported.

CSQX544E *csect-name* **Messages for channel**
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 end 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 end has an appropriate channel type
- The connection name of the local channel identifies the remote end correctly
- For cluster channels, the connection names do not specify a generic address
- 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 sent to local dead-letter queue, channel *channel-name*, reason=*reason***

Explanation: During the processing of channel *channel-name*, one or more messages have been put the dead-letter queue at the local queue manager. *reason* shows why, and is one of the following:

- an MQRC_* reason code from an MQPUT or MQPUT1 call
- an MQFB_* feedback code.

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.

For information about MQRC_* reason codes see Appendix A, "API completion and reason codes". For information about MQFB_* feedback codes see the MQMD description in the *WebSphere MQ Application Programming Reference* manual.

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 not supported, channel *channel-name*, connection *conn-id* (queue manager *qmgr-name*)**

Explanation: The operation requested for channel *channel-name* is not supported by the remote end using the connection *conn-id*. The associated remote queue manager is *qmgr-name*; in some cases its name cannot be determined and so is shown as '????'.

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* **Security exit data for channel *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 end 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 end 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: This might be a temporary situation, and the channel will retry. If not, check the status of the channel at the remote end. 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* **Listener unable to register to**
APPC/MVS, TRPTYPE=LU62
INDISP=*disposition* **RC=***return-code*
reason=*reason*

Explanation: While starting, the specified 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 C, "Communications protocol return codes" for the cause of the return code from APPC/MVS allocate services, and the *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* **Listener unable to unregister**
from APPC/MVS, TRPTYPE=LU62
INDISP=*disposition* **RC=***return-code*
reason=*reason*

Explanation: While stopping, the specified 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 C, "Communications protocol return codes" for the cause of the return code from APPC/MVS allocate services and the *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 queue manager and the remote end 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 ends might not have been possible.

Severity: 8

System Action: The channel is not started.

System Programmer Response: Examine the log for the remote end for messages explaining the cause of the negotiation failure.

CSQX578E *csect-name* **Unable to save status for channel** *channel-name*

Explanation: An internal error has occurred.

Severity: 8

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task JCL 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:

- Queue manager 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.

CSQX608E *csect-name* **Remote resources in recovery for channel** *channel-name*

Explanation: Channel *channel-name* cannot start because resources at the remote queue manager are being recovered.

Severity: 8

System Action: The channel does not start.

System Programmer Response: Restart the channel at a later time. If the problem persists examine the log for the remote end for messages explaining the cause of the problem.

CSQX609E *csect-name* **Resources in recovery, channel** *channel-name*, MQCC=*mqcc* MQRC=*mqrc*

Explanation: The message channel agent for the channel could not connect to the queue manager because resources are being recovered.

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*, which come from an MQCONN request.

CSQX613I *csect-name* **Channel** *channel-name* **instance is already in requested state**

Explanation: A request to stop a particular instance of channel *channel-name* was made (by specifying a connection name or a remote queue manager name), but the channel instance was already in the specified state, or in the process of reaching that state.

Severity: 0

System Action: The request is ignored.

CSQX620E *csect-name* **System SSL error, channel**
channel-name, function 'func'
RC=return-code

Explanation: An unexpected SSL communications error occurred for a channel. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'. *func* is the name of the System SSL function that gave the error, and *return-code* is the return code (in decimal).

Severity: 8

System Action: The channel is stopped.

System Programmer Response: See IBM® TCP/IP return codes for the cause of the return code from System SSL and the *System Secure Sockets Layer Programming Guide and Reference* manual for more information.

CSQX625E *csect-name* **System SSL error, function**
'func' RC=return-code

Explanation: An unexpected SSL communications error occurred for an SSL server subtask. *func* is the name of the System SSL function that gave the error, and *return-code* is the return code (in decimal).

Severity: 8

System Action: The SSL server subtask terminates.

System Programmer Response: See IBM® TCP/IP return codes for the cause of the return code from System SSL and the *System Secure Sockets Layer Programming Guide and Reference* manual for more information.

CSQX630E *csect-name* **Channel** *channel-name* **requires**
SSL

Explanation: Channel *channel-name* cannot start because it requires SSL, but SSL communications are not currently available.

Severity: 8

System Action: The channel does not start.

System Programmer Response: If SSL is required, investigate why it is not available and take action as appropriate; it may be necessary to restart the channel initiator to allow SSL to be used. If SSL is not required, change the channel definition so that SSL is not used.

CSQX631E *csect-name* **Cipher specifications differ,**
channel *channel-name*, **local=local-ciph**
remote=remote-ciph

Explanation: The SSL cipher specification value for channel *channel-name* is *local-ciph*, but the value specified at the remote end is *remote-ciph*. The two values must be the same before the channel can be started. They are shown in the message as

two-character codes; common values are as shown in message CSQX635E.

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 SSL cipher specification are the same.

CSQX632I *csect-name* **SSL certificate has no**
associated user ID, remote channel
channel-name – channel initiator user ID
used

Explanation: The certificate sent from the remote end during SSL handshaking was accepted, but no user ID could be found associated with it. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

Likely causes are that neither the certificate nor a matching certificate name are defined to the external security manager (ESM), or that the certificate contains fields that are not understood by the ESM.

Severity: 0

System Action: The user ID of the channel initiator address space is used as the channel user ID for the channel.

System Programmer Response: If certificate name filtering is being used, you can create a filter that will match this certificate. Alternatively, change the SSLPEER channel attribute to prevent this certificate being accepted from the remote channel.

CSQX633E *csect-name* **SSL certificate for remote**
channel *channel-name* **failed local check**

Explanation: The certificate sent from the remote end during SSL handshaking could not be validated. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

Severity: 8

System Action: The channel is stopped.

System Programmer Response: Ensure that the SSL certificate connected to the key repository at the remote end is valid, and that the signing certificate(s) have been connected to the key ring on the local queue manager so that the certificate sent can be authenticated.

For full details about SSL certificates and key repositories see *WebSphere MQ Security*.

CSQX634E *csect-name* **SSL certificate for channel**
channel-name **failed remote check**

Explanation: The certificates sent to the remote end during SSL handshaking could not be validated. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

Severity: 8

System Action: The channel is stopped.

System Programmer Response: Ensure that the SSL certificate 'ibmWebSphereMQ*qmgr-name*' connected to in the key ring at the local queue manager *qmgr-name* is valid, and that the signing certificate has been connected to the key repository on the remote end so that the certificate sent can be authenticated.

For full details about SSL certificates and key repositories see *WebSphere MQ Security*.

CSQX635E *csect-name* **Invalid cipher specification**
ciph **for channel** *channel-name*

Explanation: The SSL cipher specification value for channel *channel-name* is not valid. The value is shown in the message as a two-character code; common values are:

01	NULL_MD5
02	NULL_SHA
03	RC4_MD5_EXPORT
04	RC4_MD5_US
05	RC4_SHA_US
06	RC2_MD5_EXPORT
09	DES_SHA_EXPORT
0A	TRIPLE_DES_SHA_US

Severity: 8

System Action: The channel does not start.

System Programmer Response: Correct the SSL cipher specification for the channel.

CSQX636E *csect-name* **Distinguished name does not match peer name, channel** *channel-name*,
name='dist-name'

Explanation: The distinguished name, *dist-name*, specified in the SSL certificate at the remote end does not match the SSL peer name for channel *channel-name*. The distinguished name at the remote end must match the peer name specified (which can be generic) before the channel can be started.

Severity: 8

System Action: The channel does not start.

System Programmer Response: If you wish to allow this remote end to connect, change the SSL peer name specification for the channel so that it matches the distinguished name in the SSL certificate at the remote

end, or obtain the correct certificate for the remote end, as appropriate.

CSQX637E *csect-name* **No SSL certificate for remote**
channel *channel-name*

Explanation: The remote channel did not supply a certificate to use during SSL handshaking, but a certificate is required. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

Severity: 8

System Action: The channel is stopped.

System Programmer Response: Ensure that the SSL certificate is connected to the key repository of the remote end; alternatively, if appropriate, change the local channel definition so that its SSLCAUTH attribute is set to OPTIONAL.

For full details about SSL certificates and key repositories see *WebSphere MQ Security*.

CSQX638E *csect-name* **SSL communications error for**
channel *channel-name*

Explanation: An unexpected SSL communications error occurred for a channel, as reported in the preceding messages. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

Severity: 8

System Action: The channel does not start.

System Programmer Response: Investigate the problem reported in the preceding messages. Review the local and remote console logs for reports of network errors.

CSQX639E *csect-name* **No cipher specification for**
remote channel *channel-name*

Explanation: No SSL cipher specification was supplied by the remote channel *channel-name*, but one was required.

Severity: 8

System Action: The channel is stopped.

System Programmer Response: Change the remote channel definition so that the value specified for the SSL cipher specification is the same as that of the local channel.

CSQX640E *csect-name* **Invalid peer name, channel**
channel-name, **attribute=key-name**

Explanation: The SSL peer name for channel *channel-name* includes a distinguished name attribute key *key-name* which is invalid or unsupported.

Severity: 8

System Action: The channel does not start.

System Programmer Response: Correct the SSL peer name for the channel.

CSQX641E *csect-name* **Cipher specification error for remote channel** *channel-name*

Explanation: An error occurred with the SSL cipher specification for remote channel *channel-name*.

Severity: 8

System Action: The channel does not start.

System Programmer Response: Review the remote console log to determine the cipher specification error.

CSQX642E *csect-name* **No SSL certificate for channel** *channel-name*

Explanation: The channel *channel-name*. did not supply a certificate to use during SSL handshaking, but a certificate is required by the remote end.

Severity: 8

System Action: The channel does not start.

System Programmer Response: Ensure that the key ring of the local queue manager *qmgr-name* has an SSL certificate connected to it called 'ibmWebSphereMQ*qmgr-name*'; alternatively, if appropriate, change the remote channel definition so that its SSLCAUTH attribute is set to OPTIONAL.

For full details about SSL certificates and key repositories see *WebSphere MQ Security*.

CSQX643E *csect-name* **Peer name error for remote channel** *channel-name*

Explanation: An error occurred with the SSL peer name for remote channel *channel-name*.

Severity: 8

System Action: The channel does not start.

System Programmer Response: Review the remote console log to determine the peer name error.

CSQX644E *csect-name* **Unable to determine peer name for remote channel** *channel-name*

Explanation: The peer name associated with the certificate sent from the remote end during SSL handshaking could not be determined. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

Severity: 4

System Action: If the local channel has a peer name specified it does not start.

System Programmer Response: Ensure that the SSL certificate 'ibmWebSphereMQ*qmgr-name*' in the key ring at the local queue manager *qmgr-name* is valid, and that the signing certificate has been connected to the key repository on the remote end so that the certificate sent can be authenticated. Check that the local and remote channel definitions are correct.

For full details about SSL certificates and key repositories see *WebSphere MQ Security*.

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

CSQX833I *csect-name nn* **SSL server subtasks started, nn requested**

Explanation: This is issued in response to the DISPLAY DQM command, and shows how many SSL server subtasks are currently active, and how many were requested in the channel initiator parameters. If the numbers differ, some SSL server subtasks have failed and not been restarted, which could reduce processing capacity.

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 shows 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**
INDISP=*disposition* retrying, for port *port*
address *ip-address*

Explanation: This is issued in response to the DISPLAY DQM command for each TCP/IP listener that 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.

port and *ip-address* show the port and IP address combination on which it listens; if *ip-address* is '*', it listens on all available IP addresses. *disposition* shows which type of incoming requests the listener handles: **QMGR** those directed to the target queue manager **GROUP**

those directed to the queue-sharing group.

Severity: 0

CSQX844I *csect-name* **LU 6.2 listener**
INDISP=*disposition* retrying, for LU
name *name*

Explanation: This is issued in response to the DISPLAY DQM command for each LU 6.2 listener that 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.

disposition shows which type of incoming requests the listener handles:

QMGR those directed to the target queue manager **GROUP**

those directed to the queue-sharing group.

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**
INDISP=*disposition* started, for port *port*
address *ip-address*

Explanation: This is issued in response to the DISPLAY DQM command for each TCP/IP listener that is active.

port and *ip-address* show the port and IP address combination on which it listens; if *ip-address* is '*', it listens on all available IP addresses. *disposition* shows which type of incoming requests the listener handles: **QMGR** those directed to the target queue manager **GROUP**

those directed to the queue-sharing group.

Severity: 0

CSQX847I *csect-name* **LU 6.2 listener**
INDISP=*disposition* started, for LU name
name

Explanation: This is issued in response to the DISPLAY DQM command for each LU 6.2 listener that is active.

disposition shows which type of incoming requests the listener handles:

QMGR those directed to the target queue manager **GROUP**

those directed to the queue-sharing group.

Severity: 0

CSQX848I *csect-name* **TCP/IP listener**
INDISP=*disposition* **not started**

Explanation: This is issued in response to the DISPLAY DQM command for each TCP/IP listener that is not active.

disposition shows which type of incoming requests the listener handles:

QMGR those directed to the target queue manager

GROUP

those directed to the queue-sharing group.

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**
INDISP=*disposition* **not started**

Explanation: This is issued in response to the DISPLAY DQM command for each LU 6.2 listener that is not active.

disposition shows which type of incoming requests the listener handles:

QMGR those directed to the target queue manager

GROUP

those directed to the queue-sharing group.

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.

Chapter 17. Initialization procedure and general services messages (CSQY...)

CSQY000I IBM WebSphere MQ for z/OS^{version}

Explanation: This message is issued when the queue manager starts, and shows the release level.

CSQY001I QUEUE MANAGER STARTING, USING PARAMETER MODULE *parm-name*

Explanation: The START QMGR command is accepted. System parameter values will be taken from the module *parm-name*. This message is issued to the z/OS console at which the START command was issued. Message CSQY022I is sent when the queue manager startup process has completed.

System Action: Queue manager startup processing begins.

CSQY002I QUEUE MANAGER STOPPING

Explanation: The STOP QMGR command is accepted. Message CSQ9022I is issued when the queue manager shutdown process has completed. The message is issued either to the originator of the STOP QMGR command, or to the z/OS console from which the START QMGR command was received.

System Action: Queue manager shutdown is initiated.

CSQY003I QUEUE MANAGER IS ALREADY ACTIVE

Explanation: The START QMGR command has not been accepted, because the queue manager is active. Message CSQ9023E is issued after this message.

CSQY004I QUEUE MANAGER IS ALREADY STOPPING

Explanation: The STOP QMGR command has not been accepted either because the queue manager 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.

System Action: Queue manager shutdown continues.

CSQY005E QUEUE MANAGER STARTUP TERMINATED, INVALID START COMMAND

Explanation: The queue manager can be started only by a START QMGR command.

System Action: Queue manager startup is terminated.

Operator Response: Start the queue manager using 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 queue manager initialization procedures found 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.

System Action: Queue manager startup terminates abnormally.

Operator Response: Notify the system programmer of the problem.

System Programmer Response: Verify that all installation and maintenance activities against WebSphere MQ have been done correctly. If you are unable to correct the problem, contact your IBM support center.

CSQY008I QUEUE MANAGER SHUTDOWN REQUEST NOT ACCEPTED

Explanation: The STOP QMGR command has not been accepted because startup has not completed to the point where shutdown can occur. Message CSQ9023E is issued after this message.

System Action: Queue manager startup continues, and the STOP QMGR command is ignored.

Operator Response: Reissue the STOP QMGR command after 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 WebSphere MQ, and what type of stop it was. *verb-name* might include the

command prefix (CPF). This depends on how the command was entered.

CSQY010E *csect-name* **LOAD MODULE *module name* IS NOT AT THE CORRECT RELEASE LEVEL**

Explanation: The named load module is not at the correct level for the version of the queue manager that was being used.

System Action: If detected by the queue manager, startup terminates abnormally with reason code X'00E80161'. If detected by the channel initiator (*module-name* is CSQXJST), it does not start.

Operator Response: Notify the system programmer.

System Programmer Response: Verify that the correct WebSphere MQ program libraries are being used (for the queue manager or channel initiator as appropriate) and that all installation and maintenance activities against WebSphere MQ have been done correctly. If the early processing program is incorrect (*module-name* is CSQ3EPX), refresh it by issuing the REFRESH QMGR TYPE(EARLY) command.

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

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.

System Action: The queue manager does not start.

System Programmer Response: Reissue the z/OS command SETSSI ADD with the correct CPF parameter. Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the *WebSphere MQ for z/OS System Setup Guide* for information about the parameters.

CSQY012E *csect-name* **COMMAND PREFIX REGISTRATION FAILED. INVALID CHARACTER(S) IN QUEUE MANAGER NAME**

Explanation: Command prefix registration failed because the queue manager name used as the owner of the command prefix (CPF) contains invalid characters.

System Action: The queue manager does not start.

System Programmer Response: Reissue the z/OS command SETSSI ADD with the correct CPF parameter. Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the *WebSphere MQ for z/OS System Setup Guide* for information about the parameters.

CSQY013E *csect-name* **COMMAND PREFIX REGISTRATION FAILED. CPF ALREADY DEFINED**

Explanation: Command prefix registration failed because the command prefix (CPF) was already defined to z/OS.

System Action: The queue manager does not start.

System Programmer Response: Reissue the z/OS command SETSSI ADD with the correct CPF parameter. Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the *WebSphere MQ for z/OS System Setup Guide* for information about the parameters.

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 z/OS.

System Action: The queue manager does not start.

System Programmer Response: Reissue the z/OS command SETSSI ADD with the correct CPF parameter. Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the *WebSphere MQ for z/OS System Setup Guide* for information about the parameters.

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 z/OS.

System Action: The queue manager does not start.

System Programmer Response: Reissue the z/OS command SETSSI ADD with the correct CPF parameter. Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the *WebSphere MQ for z/OS System Setup Guide* for information about the parameters.

CSQY016E *csect-name* **SYSTEM ERROR DURING COMMAND PREFIX REGISTRATION**

Explanation: A z/OS error occurred during command prefix (CPF) registration.

System Action: The queue manager does not start.

System Programmer Response: Check the z/OS console for other messages relating to the problem.

CSQY017E *csect-name* **INCORRECT STORAGE PROTECT KEY**

Explanation: The queue manager initialization procedures found that the storage protect key was not 7. The most likely cause is that the program properties table (PPT) entry for CSQYASCP has not been specified correctly.

System Action: Queue manager startup terminates abnormally with reason code X'00E80162'.

Operator Response: Notify the system programmer.

System Programmer Response: See the *WebSphere MQ for z/OS System Setup Guide* for information about specifying the PPT entry for CSQYASCP.

CSQY018E *csect-name* **INCORRECT APF AUTHORIZATION**

Explanation: The queue manager initialization procedures found that they were not APF authorized. The most likely cause is that the WebSphere MQ program libraries are not APF authorized.

System Action: Queue manager startup terminates abnormally with reason code X'00E80163'.

Operator Response: Notify the system programmer.

System Programmer Response: See the *WebSphere MQ for z/OS System Setup Guide* for information about APF authorization for the WebSphere MQ program libraries.

CSQY022I **QUEUE MANAGER INITIALIZATION COMPLETE**

Explanation: This message is issued when the initialization of the queue manager completes normally, and it is ready for use.

CSQY100I *csect-name* **SYSTEM parameters ...**

Explanation: The queue manager is being started with the system parameter values shown in the following messages.

System Action: Queue manager startup processing continues.

**CSQY101I, CSQY102I, CSQY103I, CSQY104I,
CSQY105I, CSQY106I, CSQY107I,
CSQY108I, CSQY109I** *csect-name parms*

Explanation: This series of messages shows the system parameter values that the queue manager is using. (Some values are followed by their internal hexadecimal representation in parentheses.) See the CSQ6SYSP macro in the *WebSphere MQ for z/OS System Setup Guide* for information about the system parameters.

System Action: Queue manager startup processing continues.

CSQY110I *csect-name* **LOG parameters ...**

Explanation: The queue manager is being started with the log parameter values shown in the following messages.

System Action: Queue manager startup processing continues.

CSQY111I, CSQY112I, CSQY113I *csect-name parms*

Explanation: This series of messages shows the log parameter values that the queue manager is using. See the CSQ6LOGP macro in the *WebSphere MQ for z/OS System Setup Guide* for information about the log parameters.

System Action: Queue manager startup processing continues.

CSQY120I *csect-name* **ARCHIVE parameters ...**

Explanation: The queue manager is being started with the archive parameter values shown in the following messages.

System Action: Queue manager startup processing continues.

CSQY121I, CSQY122I, CSQY123I, CSQY124I
csect-name parms

Explanation: This series of messages shows the archive parameter values that the queue manager is using. See the CSQ6ARVP macro in the *WebSphere MQ for z/OS System Setup Guide* for information about the archive parameters.

System Action: Queue manager 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.

System Action: None.

System Programmer Response: See the *z/OS 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.

CSQY201I *csect-name* **ARM REGISTER for element**
arm-element type arm-element-type
successful

Explanation: The specified element was successfully registered with ARM.

System Action: None.

CSQY202E *csect-name* **ARM registration failed**

Explanation: An attempt to register with ARM failed.

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.

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.

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.

System Action: The queue manager stops normally, but will not be automatically restarted.

System Programmer Response: Restart the queue manager manually.

CSQY210E *csect-name call-name call for name*
name-token failed, rc=rc

Explanation: During processing for a group connect, a name token services call failed. *rc* is the return code (in hexadecimal) from the call.

System Action: If the failure occurs in the batch adapter (*csect-name* CSQBCON or CSQBDSC), the application call will fail with a reason code of MQRC_UNEXPECTED_ERROR. Otherwise (*csect-name* CSQYGRA1), processing continues, but the group connect facility will not be available.

System Programmer Response: See the *MVS Authorized Assembler Services Reference* manual for information about the return codes from the name token services call. If you are unable to solve the problem, take a stand-alone system dump and contact your IBM support center.

CSQY211I *csect-name* **Unable to add entry to group**
connect name table (at table-addr)

Explanation: During initialization for the group connect facility, a new entry could not be added to the name table for this queue manager. The most likely cause is that there is already the maximum of 32 queue managers active in the group.

System Action: Processing continues, but this queue manager will not be available for group connection.

System Programmer Response: Reduce the number of active queue managers and restart this queue manager. If this does not solve the problem, contact your IBM support center.

CSQY270E *csect-name* **UNRECOGNIZED MESSAGE**
NUMBER message-id

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 MQ message directory.

Severity: 8

System Action: Processing continues 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 MQ system problem; see the *WebSphere MQ for z/OS Problem Determination Guide*.

Note: Messages are also used to provide text for constructing panels and reports. If such a message cannot be found, message CSQY270E will appear on the panel or report, generally in truncated form.

| **CSQY271I** **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.

| **Severity:** 4

| **System Action:** Queue manager initialization
| continues.

| **Operator Response:** Notify the system programmer.

| **System Programmer Response:** It might be necessary
| to change the CSQ6SYSP macro. See the *WebSphere MQ*
| *for z/OS System Setup Guide* for information about this
| macro.

| **CSQY290E** *csect-name* **NO STORAGE AVAILABLE**

| **Explanation:** There was insufficient storage available
| for a system routine. *csect-name* shows the system
| routine function:

| **CSQAXDPS, CSQVXDPS**

| User exits (other than channel)

| **CSQXARMY**

| Channel initiator automatic restart

| **CSQXDCTS, CSQXTRPG**

| Channel initiator trace

| **CSQXDMPS**

| Channel initiator system dump

| **CSQXLDXS**

| User channel exits

| **CSQ2GFRR, CSQ2MFRR**

| IMS bridge system dump

| **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:** If the problem occurs
| in the queue manager, increase the size of the its
| address space, or reduce the number of queues,
| messages, and threads being used.

| If the problem occurs in the channel initiator, increase
| the size of the its address space, or reduce the number
| of dispatchers, adapter subtasks, SSL server subtasks,
| and active channels being used.

| **CSQY291E** *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 z/OS 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.

CSQY330I **Queue manager has restricted**
 functionality

Explanation: The installation and customization
options chosen for WebSphere MQ do not allow all
functions to be used.

System Action: Queue manager startup processing
continues.

CSQY331E *parm* **value not allowed – restricted**
 functionality

Explanation: The value specified for the *parm* system
parameter is not allowed because the installation and
customization options chosen for WebSphere MQ do
not allow all functions to be used.

System Action: The queue manager does not start.

CSQY332I **IMS Bridge not available – restricted**
 functionality

Explanation: The MQ-IMS bridge cannot operate
because the installation and customization options
chosen for WebSphere MQ do not allow all functions to
be used.

System Action: The MQ-IMS bridge does not start.

CSQY333E **Command not allowed – restricted**
 functionality

Explanation: The command that was issued is not
allowed because the installation and customization
options chosen for WebSphere MQ do not allow all
functions to be used.

System Action: The command is ignored.

CSQY334E *csect-name* *keyword(value)* **not allowed –**
 restricted functionality

Explanation: The value specified for the keyword is
not allowed because the installation and customization
options chosen for WebSphere MQ do not allow all
functions to be used.

System Action: The command is ignored.

CSQY335E *csect-name* **Channel** *channel-name*
unusable – restricted functionality

Explanation: The channel cannot be used because the installation and customization options chosen for WebSphere MQ do not allow all functions to be used.

System Action: The requested operation fails.

CSQY340E **Queue manager has restricted functionality, but previously had full functionality. Unsupported objects will be deleted (losing messages), invalid attributes will be changed**

Explanation: The installation and customization options chosen for WebSphere MQ do not allow all functions to be used. However, the queue manager has run previously without any functional restriction, and so may have objects and attribute settings that are not allowed with the restricted functionality.

In order to continue, these objects must be deleted (which may mean messages are lost) and the attributes must be changed. The queue manager will do this automatically.

System Action: Message CSQY341D is issued and the operator's reply is awaited.

System Programmer Response: The operator has two options:

- Allow the queue manager to delete the objects and change the attributes, by replying 'Y'.
- Cancel the queue manager, by replying 'N'.

CSQY341D **Reply Y to continue or N to cancel**

Explanation: The installation and customization options chosen for WebSphere MQ have changed, as indicated in the preceding CSQY340E message.

System Action: The queue manager waits for the operator's reply

System Programmer Response: See message CSQY340E.

CSQY342I **Deleting objects and changing attributes – restricted functionality**

Explanation: This message is sent if the operator answers 'Y' to message CSQY341D.

System Action: The queue manager deletes the objects and changes the attributes that are not allowed with the restricted functionality.

CSQY343I **Queue manager terminating – restricted functionality not accepted**

Explanation: This message is sent if the operator answers 'N' to message CSQY341D.

System Action: The queue manager does not start.

Chapter 18. Service facilities messages (CSQ1...)

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 WebSphere MQ for z/OS**
version

Explanation: This message is issued as the first part of the header to the report issued by the log print utility program.

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.

Severity: 0

CSQ1101I *csect-name* **UTILITY PROCESSING**
COMPLETED, RETURN CODE=rc

Explanation: The log print utility completed with the return code *rc* indicated. 0 indicates successful completion.

Severity: 0

CSQ1102I **SEARCH CRITERIA**

Explanation: The search criteria specified for printing the log follow.

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.

Severity: 0

CSQ1106I **END OF SUMMARY**

Explanation: This marks the end of the summary data set written by the log print utility.

Severity: 0

CSQ1110E **LIMIT OF 50 STATEMENTS**
EXCEEDED

Explanation: The limit of 50 input statements allowed by CSQ1LOGP has been exceeded.

Severity: 8

System Action: Processing is terminated.

System Programmer 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.

Severity: 8

System Action: Processing is terminated.

System Programmer Response: Resubmit the job using no more than 80 tokens.

CSQ1112E **TOKEN xxx... EXCEEDS 48**
CHARACTERS

Explanation: An input statement contains the character string beginning *xxx*. This string is not valid because it exceeds 48 characters in length.

Severity: 8

System Action: Processing is terminated.

System Programmer Response: Resubmit the job with a valid token.

| **CSQ1113E** **INVALID SYNTAX FOR KEYWORD**
| *kwd*

| **Explanation:** An input statement contains the
| keyword *kwd*. The value specified for this keyword is
| not valid, because it is not of the form *kwd(value)*.

| **Severity:** 8

| **System Action:** Processing is terminated.

| **System Programmer Response:** Resubmit the job with
| the correct form of the keyword.

| **CSQ1127E** **KEYWORD** *kwd* **UNKNOWN**

| **Explanation:** CSQ1LOGP does not recognize the keyword *kwd*.

| **Severity:** 8

| **System Action:** Processing is terminated.

| **System Programmer Response:** Check to make sure all keywords are valid and resubmit the job.

CSQ1128E END OF LOG RANGE SPECIFIED WITHOUT START

Explanation: You cannot specify the end of a search range (RBAEND or LRSNEND) without specifying a beginning of the search range (RBASTART or LRSNSTART respectively).

Severity: 8

System Action: Processing is terminated.

| **System Programmer Response:** Resubmit the job providing an RBASTART or LRSNSTART value to correspond to the RBAEND or LRSNEND value given to specify a valid search range.

| **CSQ1129E LIMIT OF 10** *kwd* **KEYWORDS EXCEEDED**

| **Explanation:** The *kwd* keyword appears too many times in the control statements. The limit is 10.

| **Severity:** 8

| **System Action:** Processing is terminated.

| **System Programmer Response:** Resubmit the job providing no more than 10 of these keywords.

| **CSQ1130E INVALID VALUE FOR KEYWORD** *kwd* **NUMBER** *n*

| **Explanation:** The value for the *n*th occurrence of keyword *kwd* is invalid because it has invalid characters, it is not one of a list of permitted values, or it is too long.

| **Severity:** 8

| **System Action:** Processing is terminated.

| **System Programmer Response:** Resubmit the job providing a correct value specification.

| **CSQ1131E INVALID VALUE FOR KEYWORD** *kwd*

| **Explanation:** The value for the keyword *kwd* is invalid because it has invalid characters, it is not one of a list of permitted values, or it is too long.

| **Severity:** 8

| **System Action:** Processing is terminated.

| **System Programmer Response:** Resubmit the job

| providing a correct value specification.

| **CSQ1132E NO VALUE FOR KEYWORD** *kwd* **NUMBER** *n*

| **Explanation:** The *n*th occurrence of keyword *kwd* is not followed by a value.

| **Severity:** 8

| **System Action:** Processing is terminated.

| **System Programmer Response:** Resubmit the job providing a correct value specification.

| **CSQ1133E NO VALUE FOR KEYWORD** *kwd*

| **Explanation:** The keyword *kwd* is not followed by a value.

| **Severity:** 8

| **System Action:** Processing is terminated.

| **System Programmer Response:** Resubmit the job providing a correct value specification.

| **CSQ1135E KEYWORD** *kwd* **SPECIFIED MORE THAN ONCE**

| **Explanation:** The keyword *kwd* can only be specified once.

| **Severity:** 8

| **System Action:** Processing is terminated.

| **System Programmer Response:** Resubmit the job providing only one of these keywords.

CSQ1137I FIRST PAGE SET CONTROL RECORD AFTER RESTART = *r-rba*

Explanation: *r-rba* is the log RBA of a record that serves as an implicit indication that a restart occurred just prior to this point.

Severity: 0

System Action: Processing continues.

CSQ1138E *kwd1* **AND** *kwd2* **CANNOT BOTH BE SPECIFIED**

Explanation: *kwd1* and *kwd2* cannot both appear in the control statements.

System Action: Processing is terminated.

System Programmer Response: Correct the control statements and rerun the job.

CSQ1139E SYSSUMRY DD STATEMENT MISSING

Explanation: You requested the SUMMARY option, but did not include the SYSSUMRY DD statement in your JCL.

Severity: 8

System Action: Processing terminates.

System Programmer Response: Resubmit the job with a SYSSUMRY DD statement included in the JCL.

CSQ1145E CURRENT RESTART TIME STAMP OUT OF SEQUENCE – TIME=*date time* LOG RBA=*t-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.

Severity: 4

System Action: Processing continues.

System Programmer Response: Examine the current log to determine whether multiple queue managers 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=*t-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.

Severity: 4

System Action: Processing continues.

System Programmer Response: Examine the current log to determine whether multiple queue managers 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=*t-rba*

Explanation: This message follows message CSQ1145I or CSQ1146I and gives the latest time stamp seen.

Severity: 4

CSQ1148I MULTIPLE QUEUE MANAGERS 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.

Severity: 4

CSQ1150I SUMMARY OF COMPLETED EVENTS

Explanation: This message heads the summary of completed units of recovery (URs) and checkpoints.

Severity: 0

System Action: Processing continues.

CSQ1151I UR CONNID=*cc* THREAD-XREF=*bb* USERID=*aa* TIME=*date time* START=*s-rba* END=*e-rba* 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

s-rba Log RBA of the first log record associated with the UR (that is, the URID)

e-rba Log RBA of the last log record associated with the UR. If the UR is not complete, *e-rba* 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 '****'.

Severity: 0

System Action: Processing continues.

CSQ1153I **CHECKPOINT START=***s-rba* **END=***e-rba*
TIME=*date time*

Explanation: This message describes a complete checkpoint on the log starting at RBA *s-rba* and ending at RBA *e-rba*. If the information is available, CSQ1LOGP also returns the date and time that the checkpoint was completed.

When this message follows message CSQ1157I, it identifies the checkpoint that would be used at restart. If no checkpoint is available, message CSQ1158I is printed instead.

Severity: 0

System Action: Processing continues.

CSQ1154I **RESTART AT** *r-rba* **TIME=***date time*

Explanation: A normal restart occurred at log RBA *r-rba*. CSQ1LOGP also returns the date and time of that restart.

Severity: 0

System Action: Processing continues.

CSQ1155I **CONDITIONAL RESTART AT** *r-rba*
TIME=*date time*

Explanation: A conditional restart occurred at log RBA *r-rba*. CSQ1LOGP also returns the date and time of that restart.

Severity: 0

System Action: Processing continues.

CSQ1156I **ALL URS COMPLETE**

Explanation: There are no URS outstanding for restart.

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 MQ, see the *WebSphere MQ for z/OS Problem Determination Guide* for information about identifying and reporting the problem.

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.

Severity: 0

System Action: Processing continues.

| **CSQ1161E** **INVALID URE FOUND AT** *x-rba*

Explanation: While processing the SUMMARY option, an invalid URE checkpoint record was encountered in the log.

Severity: 4

System Action: Processing continues.

System Programmer Response: If the checkpoint record identified in the message is used to restart the queue manager, the restart will be unsuccessful because it 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** *x-rba*

Explanation: While processing the SUMMARY option, an invalid RURE checkpoint record was encountered in the log.

Severity: 4

System Action: Processing continues.

System Programmer Response: If the checkpoint record identified in the message is used to restart the queue manager, the restart will be unsuccessful because it 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.

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.

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.

Severity: 0

System Action: Processing continues.

CSQ1209E END OF LOG RANGE IS LESS THAN START

Explanation: The end log range value (specified by RBAEND or LRSNEND) is less than or equal to the start range value (specified by RBASTART or LRSNSTART respectively).

Severity: 8

System Action: Processing is terminated.

System Programmer Response: Resubmit the job providing an RBASTART or LRSNSTART value and a corresponding RBAEND or LRSNEND value to specify a valid search range.

CSQ1210E LOG READ ERROR RETCODE=*rc* REASON CODE=*reason*

Explanation: An error was detected while attempting to read the log.

Severity: 8

System Action: Processing is terminated.

Problem Determination: Refer to “Log services return codes” on page 252 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

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 = *s-rba*

Explanation: This identifies the RBA of the first log record read.

Severity: 0

System Action: Processing continues.

CSQ1213I LAST LOG RBA ENCOUNTERED = *e-rba*

Explanation: This identifies the RBA of the last log record read.

Severity: 0

System Action: Processing continues.

CSQ1214I *nnn* LOG RECORDS READ

Explanation: This identifies the number (in decimal) of logical log records read during CSQ1LOGP processing.

Severity: 0

System Action: Processing continues.

CSQ1215I NO LOG RECORDS READ

Explanation: CSQ1LOGP read no log records.

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 an RBASTART or LRSNSTART value that is greater than any RBA or LRSN in the active and archive data sets available

- You specified a log range using LRSNs, but the queue manager is not in a queue-sharing group.
- Severity:** 0
- System Action:** Processing continues.

CSQ1216E LOG READ ERROR, RETCODE=*rc*, REASON CODE=*reason*, RBA=*x-rba*

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.

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 "Log services return codes" on page 252, and the reason code is explained in Part 2, "Codes".

CSQ1217E RBA RANGE WARNING, RETCODE=*rc*, REASON CODE=*reason*, PRIOR RBA=*p-rba*, CURRENT RBA=*c-rba*

Explanation: A gap in the log RBA range has been encountered. PRIOR RBA *p-rba* indicates the last good log RBA prior to the gap. CURRENT RBA *c-rba* indicates the log record following the gap, and will be formatted following this message.

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 "Log services return codes" on page 252, 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 MQ or system code used for CSQ1LOGP. In such cases, abnormal termination with a user completion code of U0153 will occur.
- 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.

Severity: 0

System Action: Processing continues.

CSQ1220E ARCHIVE LOG TRUNCATED AT *xxxx* – INVALID LOG RECORDS READ

Explanation: At a restart of the queue manager, 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.

Severity: 4

System Action: Processing continues.

System Programmer Response: To avoid this condition, use the BSDS DD statement instead of the ARCHIVE DD statement.

CSQ1221E VSAM ERROR, RETCODE=*rc*,
REASON CODE=*reason*, VSAM
RETURN CODE=*aaaa*, ERROR
CODE=*bbbb*

Explanation: A VSAM error was encountered while attempting to read the log.

Severity: 8

System Action: Processing continues.

Problem Determination: The return code included in the message is explained in "Log services return codes" on page 252, 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=*rc*, REASON CODE=*reason*,
DYNALLOC INFO CODE=*aaaa*, ERROR
CODE=*bbbb*

Explanation: An error occurred while dynamically allocating a log data set.

Severity: 8

System Action: Processing terminates.

Problem Determination: The return code indicated in the message is explained in "Log services return codes" on page 252, 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=*rc*,
REASON CODE=*reason*, RDJFCB
RETURN CODE=*aaaa*

Explanation: An error occurred while trying to read the job file control block.

Severity: 8

System Action: Processing continues.

Problem Determination: The return code included in the message is explained in "Log services return codes" on page 252, 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.

CSQ1271I START OF LOG RANGE SET TO
LRSN=*s-lrsn*

Explanation: The LRSN value you specified for the start of the log range is less than the lowest possible LRSN value, which is *s-lrsn*.

Severity: 0

System Action: Processing continues, using an LRSNSTART value of *s-lrsn*.

CSQ1272I FIRST LOG LRSN ENCOUNTERED =
s-lrsn

Explanation: This identifies the LRSN of the first log record read.

Severity: 0

System Action: Processing continues.

CSQ1273I LAST LOG LRSN ENCOUNTERED =
e-lrsn

Explanation: This identifies the LRSN of the last log record read.

Severity: 0

System Action: Processing continues.

CSQ1275I LRSN RANGE CAN BE USED ONLY
WITH A QUEUE-SHARING GROUP

Explanation: You specified a log range using LRSNs, but CSQ1LOGP read no log records. This could be because the queue manager is not in a queue-sharing group, in which case you cannot use LRSN specifications.

Severity: 0

System Action: Processing continues.

System Programmer Response: If the queue manager is not in a queue-sharing group, rerun the job using RBA specifications for the log range.

CSQ1276E LOG READ ERROR, RETCODE=*rc*,
REASON CODE=*reason*, LRSN=*x-lrsn*

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 LRSN cannot be located. The LRSN specification in the message indicates where the error was detected and gives the requested LRSN. 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 LRSN 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.

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 "Log services return codes", and the reason code is explained in Part 2, "Codes".

CSQ1277E **LRSN RANGE WARNING,**
RETCODE=rc, REASON CODE=reason,
PRIOR LRSN=p-lrsn, CURRENT
LRSN=c-lrsn

Explanation: A gap in the log LRSN range has been encountered. The PRIOR LRSN specification indicates the last good log LRSN prior to the gap. The CURRENT LRSN specification indicates the log record following the gap, and will be formatted following this message.

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 "Log services return codes", and the reason code is explained in Part 2, "Codes".

Log services return codes

The return codes set by log services are:

- 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.

Chapter 19. WebSphere MQ-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 MQ-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 MQ-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 MQ-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 X'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=*mqrc*

Explanation: The MQ-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 *mqrc*.

CSQ2005I *csect-name* ERROR PROCESSING
 MESSAGE, FEEDBACK=*code*,
 XCFGNAME=*gname*
 XCFMNAME=*mname* TPIPE=*tpipename*

Explanation: The MQ-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 MQ message buffer.
- 295 (MQFB_LENGTH_OFF_BY_ONE)
The length field was one byte too short.
- 296 (MQFB_IIH_ERROR)
The MQMD specified MQFMT_IMS, but the message does not begin with a valid MQIIH 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=*mqrc***

Explanation: The MQ-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 *mqrc* is 0, there is no dead-letter queue defined; you are strongly recommended not to use the MQ-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 *mqrc*.

CSQ2009I *csect-name* **PREREQUISITE PRODUCTS FOR IMS BRIDGE NOT AVAILABLE**

Explanation: The MQ-IMS bridge cannot operate because:

- The version of z/OS or OS/390 being used is not correct
- The version of IMS being used is not correct
- OTMA support has not been enabled on IMS.
- An incorrect version of the system parameter module (CSQZPARM) is being used.

System Action: The MQ-IMS bridge does not start.

System Programmer Response: Refer to the *WebSphere MQ for z/OS Concepts and 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 MQ-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 MQ-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 MQ-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 MQ-IMS bridge tried to sign on to the partner IMS system identified by *gname* and *mname*. However, the queue manager 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.

CSQ2020E *csect-name* **RESYNCHRONIZATION ERROR**

Explanation: A resynchronization error has occurred. The information provided by this message is:

IN TPIPE *tpipename*
FOR QUEUE *q-name*,
BY PARTNER, XCFGNAME=*gname* XCFMNAME=*mname*,
QMGR SEND=*sendseq* PARTNER RECEIVE=*otmarecvseq*,
QMGR RECEIVE=*recvseq* PARTNER SEND=*otmasendseq*,
INDOUBT UNIT OF RECOVERY *urid*

| where:

| *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 MQ to the partner, in
| hexadecimal

| *otmasendseq*

| The recoverable sequence number of the
| message last sent by the partner to MQ, in
| hexadecimal

| *recvseq* The recoverable sequence number of the
| message last received by MQ from the partner,
| in hexadecimal

| *otmarecvseq*

| The recoverable sequence number of the
| message last received by the partner from MQ,
| 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 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: MQ 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: MQ 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
- MQ job log
- IMS job log

CSQ2028I *csect-name* **QUEUE MANAGER IS NOT CONNECTED TO PARTNER, XCFGNAME=gname XCFMNAME=mname**

Explanation: MQ is not connected to the partner. The information provided in the message is:

gname The group name of the partner entered in the RESET TPIPE command.

mname The member name of the partner entered in the RESET TPIPE command.

System Action: The command is rejected.

System Programmer Response: Resubmit the RESET TPIPE command using the correct XCF group name when MQ 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 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 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 RESET TPIPE command specifying an action (COMMIT or BACKOUT) for the in-doubt unit of recovery.

Chapter 20. Subsystem support messages (CSQ3...)

CSQ3001E *csect-name* – ABNORMAL DISCONNECT FROM SUBSYSTEM INTERFACE

Explanation: An online routine was still supporting SSI calls (IEFSSREQ) even though the queue manager had nearly completed termination or was no longer executing. This occurs with *csect-name* CSQ3RS00 or CSQ3RS0X when the queue manager address space has reached end-of-memory and neither normal termination nor online error recovery routines have successfully completed termination of the queue manager. This occurs with *csect-name* CSQ3SSTM when this condition is discovered during online termination.

System Action: The connection is terminated. All IEFSSREQ requests are handled by the MQ early processing program until the queue manager 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 *connection-name* INDOUBT RECOVERY BY STILL IN PROGRESS

Explanation: There might be MQ 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 MQ 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.

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 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 or by offline alterations of the logs of either MQ or the subsystem.

CSQ3004E SSI DESCRIPTOR GET FAILURE, RC=*rc* REASON=*reason*

Explanation: An internal error has occurred during initialization or termination.

System Action: The queue manager terminates.

System Programmer Response: Ensure that all maintenance has been applied to the WebSphere MQ program libraries, and then restart the queue manager.

Problem Determination: If the problem persists, collect the following items, and contact your IBM support center:

- Console log
- System dump

CSQ3006E '*rmid*' SSI FUNCTION WAS ALREADY ACTIVE WHEN ACTIVATE WAS ATTEMPTED

Explanation: An initialization sequence error has occurred.

System Action: The queue manager terminates.

System Programmer Response: Ensure that all maintenance has been applied to the WebSphere MQ program libraries, and then restart the queue manager.

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.

System Action: Termination continues.

System Programmer Response: Ensure that all maintenance has been applied to the WebSphere MQ 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: One or more resource managers are still supporting application program calls through their program request handler, even though the queue manager had almost completed termination, or was no longer executing. This occurs when the queue manager address space has gone to end of memory and neither normal termination nor online error recovery routines have successfully completed termination.

System Action: The connection is terminated. All application program support requests are rejected with an indication that the queue manager is not active. 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 the queue manager. It will probably be necessary to restart the queue manager or RRS.

Problem Determination: Collect the following diagnostic items and contact your IBM support center:

- 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
- The queue manager job log
- The queue manager active log data set
- Any system dump output associated with the message

CSQ3011I *csect-name* **Coordinator RRS is
cold-starting and has lost its log.
In-doubt MQ threads need manual
resolution**

Explanation: MQ has participant responsibility for in-doubt threads. RRS, the commit coordinator, has informed the queue manager that it lost all knowledge of MQ 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 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 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 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* **Queue manager was restarted
on the wrong system so cannot connect
to RRS. There are unresolved URs
where MQ is a participant**

Explanation: The queue manager has one or more in-doubt threads and is unable to connect to RRS to resolve these in-doubt units of recovery (URs).

System Action: Processing continues.

Operator Response: Start the queue manager on the correct system.

CSQ3014I *csect-name* **In-doubt RRS URID=*rrs-urid*
is unknown to MQ. URID recorded for
MQ by RRS=*mq-urid***

Explanation: The queue manager is restarting with RRS where MQ is a participant and RRS is the coordinator. RRS has a unit of recovery (UR) that the queue manager should be a participant in, but it has no knowledge of the RRS unit of recovery, whose ID is *rrs-urid*. RRS has recorded the MQ URID as *mq-urid*.

System Action: Restart with RRS continues.

System Programmer Response: This message might indicate a problem in MQ or RRS, 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 MQ log. This conditional restart might have happened at any time in the past.
- The RESOLVE INDOUBT command was used to resolve the MQ UR with ID *mq-urid*.

If one of these occurred, the message can be ignored. If neither occurred, there might be a problem in MQ or RRS.

If the *mq-urid* appears to be a valid log RBA, use the log print utility (CSQ1LOGP) with the SUMMARY option and URID options using the *mq-urid* value. If this finds the UR, the disposition will indicate whether it was committed or backed out. If possible, use the RRS ISPF interface to commit or back out the RRS URID so that they match.

If you suspect an error in MQ, collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- The queue manager job log
- The queue manager active log data set

CSQ3016I *csect-name* RRS has lost data from its log

Explanation: The queue manager is restarting with RRS and RRS has lost some portion of its log.

System Action: Restart with RRS continues.

System Programmer Response: MQ 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 START COMMAND

Explanation: The queue manager has terminated, and can be restarted when required.

Operator Response: Issue the START QMGR command when desired.

CSQ3101E *csect-name* – INVALID EARLY PROCESSING PARAMETER

Explanation: The z/OS command SETSSI ADD or the subsystem definition record in the IEFSSNxx member of SYS1.PARMLIB for the MQ subsystem specified the early processing initialization parameter incorrectly. The name must be CSQ3EPX.

The failing subsystem name is provided in message IEF759I, which follows this message.

System Action: The MQ subsystem with the indicated name is not available.

Operator Response: If you are trying to add an MQ subsystem, reissue the z/OS command SETSSI ADD with the correct parameters. Otherwise, notify the system programmer.

System Programmer Response: Correct the parameter fields in the record of SYS1.PARMLIB member IEFSSNxx. See the *WebSphere MQ for z/OS System Setup Guide* for information about the parameters.

CSQ3102E *csect-name* – INVALID COMMAND PREFIX

Explanation: The z/OS command SETSSI ADD or the subsystem definition record in the IEFSSNxx member of SYS1.PARMLIB for the MQ subsystem specified the command prefix initialization parameter incorrectly.

The failing subsystem name is provided in message IEF759I, which follows this message.

System Action: The MQ subsystem with the indicated name is not available.

Operator Response: If you are trying to add an MQ subsystem, reissue the z/OS command SETSSI ADD with the correct parameters. Otherwise, notify the system programmer.

System Programmer Response: Correct the parameter fields in the record of SYS1.PARMLIB member IEFSSNxx. See the *WebSphere MQ for z/OS System Setup Guide* for information about the

CSQ3104I *csect-name* – TERMINATION COMPLETE

Explanation: The queue manager has terminated. The actual z/OS termination of the queue manager address spaces might have completed earlier. This message is presented for every termination, normal or abnormal.

CSQ3105E *csect-name* – UNABLE TO LOAD EARLY PROCESSING PROGRAM 'CSQ3EPX'.
ssnm IS NOT AVAILABLE

Explanation: Subsystem initialization or early processing refreshing for the MQ subsystem failed because the initialization program (CSQ3INI) could not locate the early processing program (CSQ3EPX).

For subsystem initialization, the program must be either in the linkpack area (LPA) or in a library which is in the link list. For early processing refreshing, the program must be in the LPA.

System Action: Subsystem initialization or early processing refreshing ends abnormally. MQ subsystem *ssnm* is not available.

Operator Response: Use the z/OS command SETPROG LPA,ADD,... to load the CSQ3EPX program into the LPA. For subsystem initialization, reissue the z/OS command SETSSI ADD. For early processing refreshing, reissue the REFRESH QMGR TYPE(EARLY) command.

CSQ3106E *csect-name* – QUEUE MANAGER STOPPED. COMMAND NOT PROCESSED – *command-text*

Explanation: A command was received which cannot be processed due to one of the following:

- The queue manager has not been started (this could be because the START QMGR command was not entered correctly)
- The command was queued for processing while the queue manager was starting, but startup terminated with an error
- The queue manager terminated before the command could be processed

System Action: The command is not processed.

Operator Response: Start the queue manager, then reenter the command.

CSQ3107E *csect-name* – **COMMAND REJECTED. REQUESTER NOT AUTHORIZED**

Explanation: A command was received from a console that does not have the correct authority.

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 MQ commands. If so, authorize it for MQ commands by using z/OS services.

Note: If MQ security is not activated, this check is still performed. This authorization is the z/OS console authority, and is not related to the external security manager. The console that entered the MQ command must have the SYS, ALL, or MASTER console authority attribute.

CSQ3108E *csect-name* – **COMMAND REJECTED. COMMAND FACILITY PATH UNAVAILABLE**

Explanation: A command was received, but the path from z/OS consoles to the MQ command processor is unavailable. It might still be possible to enter commands in other ways.

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 the queue manager is started.

CSQ3109E *csect-name* – **UNABLE TO OBTAIN SUBSYSTEM AFFINITY TABLE INDEX FOR SUBSYSTEM *ssnm*. IEFSSREQ RC=*nn***

Explanation: MQ was unable to obtain a subsystem affinity table index for the named subsystem. z/OS did not recognize the named subsystem name as a known

subsystem. If this message is issued, a serious error has occurred in z/OS or MQ.

In the message, *nn* is the return code from the IEFSSREQ z/OS service. *ssnm* is the name of the MQ subsystem undergoing IPL-time initialization.

System Action: MQ ends abnormally with completion code X'5C6' and reason code X'00F30104'. The MQ subsystem with the indicated name is not available for this IPL of z/OS.

Operator Response: Notify the system programmer.

System Programmer Response: Try to re-IPL. If the problem persists, see the *WebSphere MQ for z/OS 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* INITIALIZATION COMPLETE**

Explanation: Either:

- MQ subsystem initialization is complete, following z/OS IPL processing or the z/OS command SETSSI ADD.
- The MQ early processing program has been successfully refreshed, following a REFRESH QMGR TYPE(EARLY) command.

Operator Response: Issue the START QMGR command when desired.

CSQ3111I *csect-name* – **EARLY PROCESSING PROGRAM IS *version* LEVEL *n***

Explanation: This message shows the level of the early processing program that is being used.

CSQ3112E *csect-name* – **INVALID CPF SCOPE**

Explanation: The z/OS command SETSSI ADD or the subsystem definition record in the IEFSSNxx member of SYS1.PARMLIB for the MQ subsystem specified the CPF scope initialization parameter incorrectly.

The failing subsystem name is provided in message IEF759I, which follows this message.

System Action: The MQ subsystem with the indicated name is not available.

Operator Response: If you are trying to add an MQ subsystem, reissue the z/OS command SETSSI ADD with the correct parameters. Otherwise, notify the system programmer.

System Programmer Response: Correct the parameter fields in the record of SYS1.PARMLIB member IEFSSNxx. See the *WebSphere MQ for z/OS System Setup*

Guide for information about the parameters.

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.

System Action: The MQ subsystem with the indicated name is not available.

Operator Response: If you are trying to add an MQ subsystem, reissue the z/OS command SETSSI ADD with a correct CPF parameter. Otherwise, notify the system programmer.

System Programmer Response: Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the *WebSphere MQ for z/OS System Setup Guide* for information about the parameters.

CSQ3114E *csect-name* – COMMAND PREFIX
REGISTRATION FAILED. INVALID
CHARACTER(S) IN SUBSYSTEM
NAME

Explanation: Command prefix registration failed because the subsystem name used as the owner of the command prefix (CPF) contains invalid characters.

System Action: The MQ subsystem with the indicated name is not available.

Operator Response: If you are trying to add an MQ subsystem, reissue the z/OS command SETSSI ADD with a correct CPF parameter. Otherwise, notify the system programmer.

System Programmer Response: Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the *WebSphere MQ for z/OS System Setup Guide* for information about the parameters.

CSQ3115E *csect-name* – COMMAND PREFIX
REGISTRATION FAILED. CPF
ALREADY DEFINED

Explanation: Command prefix registration failed because the command prefix (CPF) was already defined to z/OS.

System Action: The MQ subsystem with the indicated name is not available.

Operator Response: If you are trying to add an MQ subsystem, reissue the z/OS command SETSSI ADD with a correct CPF parameter. Otherwise, notify the system programmer.

System Programmer Response: Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the *WebSphere MQ for z/OS System Setup Guide* for information about the parameters.

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 z/OS.

System Action: The MQ subsystem with the indicated name is not available.

Operator Response: If you are trying to add an MQ subsystem, reissue the z/OS command SETSSI ADD with a correct CPF parameter. Otherwise, notify the system programmer.

System Programmer Response: Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the *WebSphere MQ for z/OS System Setup Guide* for information about the parameters.

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 z/OS.

System Action: The MQ subsystem with the indicated name is not available.

Operator Response: If you are trying to add an MQ subsystem, reissue the z/OS command SETSSI ADD with a correct CPF parameter. Otherwise, notify the system programmer.

System Programmer Response: Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the *WebSphere MQ for z/OS System Setup Guide* for information about the parameters.

CSQ3118E *csect-name* – SYSTEM ERROR DURING
COMMAND PREFIX REGISTRATION

Explanation: A z/OS error occurred during command prefix (CPF) registration.

System Action: The MQ subsystem with the indicated name is not available.

System Programmer Response: Check the z/OS 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 the z/OS command CANCEL 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 MQ for this connection and might or might not represent the current activity of the agent. Previous MQ work by this agent might have completed successfully.

This message, CSQ3201E, is written to the z/OS console after the agent has been removed from the service task work queue at the time that termination processing begins.

System Action: The agent was previously queued to a service task for termination processing. This message indicates that the agent has been taken from the queue for processing. Any uncommitted changes will be backed out.

Operator Response: Notify your system programmer.

System Programmer Response: See the Problem Determination section of this message. The z/OS commands CANCEL and FORCE will have no effect and should not be issued. MQ should not be canceled. If an extensive backout is in progress, the subsequent queue manager 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 z/OS commands CANCEL and FORCE appear to have no effect.
- The allied task holds a z/OS-shared ENQ on resource SYSZCSQ3.ERLYOLRH.*erly-block-address*.
- During abnormal termination of the agent associated with the task in error, the task's connection will appear on the MQ DISPLAY THREAD output with a QD status, prior to this message being written, or with a D status after this message is written and until the thread is resolved. See message CSQV402I for the definitions of these status codes.
- IMS transactions running in regions connected to MQ may receive this message for non-MQ transactions.

System Action: The current task is ended abnormally with a system completion code of X'5C6' and a reason code of X'00F30580'. The queue manager terminates.

Operator Response: Notify the system programmer.

System Programmer Response: Restart the queue manager. Note the values contained in the message, and contact your IBM support center.

**CSQ3580E CONNECTION FOR 'ssi-call' GAVE
RC=*rc*, REASON=*reason***

Explanation: A nonzero return code has been returned to CSQ3AMI2 from the connect t to subsystem interface (SSI) call. The variables in the message indicate which SSI call is involved and the actual return and reason codes associated with it.

Chapter 21. DB2 manager messages (CSQ5...)

CSQ5001I *csect-name* **Connected to DB2** *DB2-name*

Explanation: The queue manager has successfully established a connection to the named DB2 subsystem.

System Action: Processing continues.

System Programmer Response: None.

CSQ5002E *csect-name* **Connection to DB2 using**
connect-name **failed, RC=return-code**
reason=reason

Explanation: The queue manager's attempt to establish a connection to the named DB2 subsystem failed.

System Action: Queue manager startup is terminated.

System Programmer Response: This is normally an authorization error.

Consult the *DB2 for z/OS Messages and Codes* manual for an explanation of the codes and attempt to resolve the problem.

CSQ5003A *csect-name* **Connection to DB2 using**
connect-name **pending, no active DB2**

Explanation: The queue manager is waiting for an eligible DB2 subsystem to become active so that a connection can be established. Alternatively, RRS is inactive or was started after the DB2 subsystems.

System Action: The queue manager waits for an eligible DB2 subsystem to become active.

System Programmer Response: Check whether the DB2 subsystem(s) are active. If not then start them. If they are active, ensure RRS is active and check that it was started prior to the DB2 subsystems.

CSQ5004E *csect-name* **DB2 table entry for queue**
manager in queue-sharing group
qsg-name **is missing or incorrect**

Explanation: During startup the queue manager was unable to find its entry in the DB2 administration tables, or the entry was incorrect.

System Action: The queue manager terminates with completion code X'6C6' and reason code X'00F50013'.

System Programmer Response: Check that a queue manager record exists in the DB2 tables for the DB2 data-sharing group specified. Check the QSGDATA system parameter specifies the correct DB2 data-sharing group. If so, check that a queue manager entry exists in the CSQ.ADMIN_B_QMGR table.

If you are migrating from a previous release of WebSphere MQ, check also that you have updated the DB2 tables to the format for the current release. See the *WebSphere MQ for z/OS Concepts and Planning Guide* and the *WebSphere MQ for z/OS System Setup Guide* for information about migration and compatibility between releases.

CSQ5005E *csect-name* **Queue manager release level**
is incompatible with queue-sharing
group

Explanation: The release level of the queue manager that is being started is incompatible with that of other members of the queue-sharing group.

System Action: The queue manager terminates with completion code X'6C6' and reason code X'00F50029'.

System Programmer Response: Verify that the correct load libraries are being used and that the queue-sharing group information in the system parameters has been specified correctly. Also use the queue-sharing group utility (CSQ5PQSG) to verify that the queue manager has been defined correctly in the DB2 administration tables; be sure to use the same version of WebSphere MQ for the utility as was used for running the queue manager. See the *WebSphere MQ for z/OS Concepts and Planning Guide* and the *WebSphere MQ for z/OS System Setup Guide* for information about migration and compatibility between releases.

CSQ5006E *csect-name* **Data-sharing groups differ**

Explanation: A mismatch has been detected between the DB2 data-sharing group specified on the QSGDATA system parameter and the queue manager entry in the CSQ.ADMIN_B_QMGR table.

System Action: The queue manager terminates with completion code X'6C6' and reason code X'00F50006'.

System Programmer Response: The queue-sharing group name specified on the QSGDATA system parameter must match that in which the queue manager is defined in the DB2 CSQ.ADMIN_B_QMGR table.

CSQ5007E *csect-name* **RRSAF function** *function*
failed for plan *plan-name*, **RC=return-code**
reason=reason **syncpoint code=sync-code**

Explanation: A non-zero or unexpected return code was returned from an RRSAF request. The DB2 plan involved was *plan-name*.

System Action: If the error occurs during queue manager startup or reconnect processing, the queue

manager terminates with completion code X'6C6' and reason code X'00F50016'. Otherwise, an error message is issued and processing continues.

System Programmer Response: Determine the cause of the error using the RRS return and reason code from the message.

Consult the *DB2 for z/OS Messages and Codes* manual for an explanation of the codes and attempt to resolve the problem.

CSQ5008E *csect-name* **DB2 DB2-name is not a member of data-sharing group** *dsg-name*

Explanation: The DB2 subsystem to which the queue manager has connected is not a member of the DB2 data-sharing group specified on the QSGDATA system parameter.

System Action: The queue manager terminates with completion code X'6C6' and reason code X'00F50007'.

System Programmer Response: Ensure that the DB2 subsystem to which the queue manager has connected is a member of the data-sharing group specified on the QSGDATA system parameter.

Issue the DB2 command DIS GROUP to the DB2 subsystem and check the data-sharing group name matches the data-sharing group name on the QSGDATA system parameter.

CSQ5009E *csect-name* **SQL error for table** *table-name*,
code=SQL-code state=SQL-state, data=d1
d2 d3 d4 d5

Explanation: A non-zero or unexpected SQL return code was returned from a DB2 SQL request.

System Action: The queue manager terminates with completion code X'6C6' and reason code X'00F50014'.

System Programmer Response: Determine the reason for the SQL error and correct the problem.

Consult the *DB2 for z/OS Messages and Codes* manual to determine the reason for the SQL error.

CSQ5010E *csect-name* **XCF IXCQUERY member error, RC=return-code reason=reason**

Explanation: The queue manager received an unexpected return code from an IXCQUERY request.

System Action: The queue manager terminates with completion code X'6C6' and reason code X'00F50017'.

System Programmer Response: Determine the reason for the unexpected error and correct the problem.

Consult the *z/OS MVS Programming: Sysplex Services Reference* manual for an explanation of the return and reason code from the IXCQUERY request.

CSQ5011E *csect-name* **XCF IXCJOIN group error, RC=return-code reason=reason**

Explanation: The queue manager received an unexpected return code from an IXCJOIN request.

System Action: The queue manager terminates with completion code X'6C6' and reason code X'00F50019'.

System Programmer Response: Determine the reason for the unexpected error and correct the problem.

Consult the *z/OS MVS Programming: Sysplex Services Reference* manual for an explanation of the return and reason code from the IXCJOIN request.

CSQ5012E *csect-name* **XCF IXCQUIES group error, RC=return-code reason=reason**

Explanation: The queue manager received an unexpected return code from an IXCQUIES request.

System Action: The queue manager terminates with completion code X'6C6' and reason code X'00F50021'.

System Programmer Response: Determine the reason for the unexpected error and correct the problem.

Consult the *z/OS MVS Programming: Sysplex Services Reference* manual for an explanation of the return and reason code from the IXCQUIES request.

CSQ5013E *csect-name* **XCF IXCSETUS error, RC=return-code reason=reason**

Explanation: The queue manager received an unexpected return code from an IXCSETUS request.

System Action: The queue manager terminates with completion code X'6C6' and reason code X'00F50018'.

System Programmer Response: Determine the reason for the unexpected error and correct the problem.

Consult the *z/OS MVS Programming: Sysplex Services Reference* manual for an explanation of the return and reason code from the IXCSETUS request.

CSQ5014I *csect-name* **Connection to DB2-name lost, DB2 terminated abnormally**

Explanation: The queue manager received an abnormal termination notification from the DB2 subsystem to which it is connected.

System Action: The queue manager will clean up its connection to the DB2 subsystem and attempt to reconnect. If a DB2 group attach name was specified on the QSGDATA system parameter a connection to a different DB2 may occur.

System Programmer Response: Determine the reason for the DB2 abnormal termination. Correct the problem and attempt to restart the DB2 subsystem.

CSQ5015I *csect-name* **Connection to DB2-name lost, DB2 shut down forcibly**

Explanation: The queue manager received a STOP FORCE termination notification from the DB2 subsystem to which it is connected.

System Action: The queue manager will clean up its connection to the DB2 subsystem and attempt to reconnect. If a DB2 group attach name was specified on the QSGDATA system parameter a connection to a different DB2 may occur.

System Programmer Response: Determine the reason for the DB2 forcible stop. Restart the DB2 subsystem.

CSQ5016I *csect-name* **Connection to DB2-name quiescing, DB2 terminating**

Explanation: The queue manager received a STOP QUIESCE termination notification from the DB2 subsystem to which it is connected.

System Action: The queue manager will quiesce all DB2 server tasks and disconnect from the DB2 subsystem so that it can shut down. It will then attempt to reconnect. If a DB2 group attach name was specified on the QSGDATA system parameter a connection to a different DB2 may occur.

System Programmer Response: Restart the DB2 subsystem so that shared queue operations can resume.

CSQ5019I *csect-name* **Disconnected from DB2 DB2-name**

Explanation: The queue manager has successfully disconnected from the DB2 subsystem.

System Action: If the disconnect is due to a DB2 STOP MODE(QUIESCE) the queue manager will attempt to reconnect to the DB2 subsystem.

System Programmer Response: None.

CSQ5020E *csect-name* **SQL error, table table-name not defined in DB2**

Explanation: The queue manager attempted to access one of its DB2 tables. DB2 has returned an SQL code indicating the table does not exist.

System Action: The request fails and processing continues.

System Programmer Response: Check that all MQ tasks to set up the DB2 environment completed successfully and that the correct DB2 data-sharing group name was specified on the QSGDATA system parameter.

CSQ5021E *csect-name* **SQL error, table table-name index not built in DB2**

Explanation: The queue manager has attempted to access one of its DB2 tables. DB2 has returned an SQL code indicating that the index for the specified table has not been built.

System Action: The request fails and processing continues.

System Programmer Response: Check that all MQ tasks to set up the DB2 environment completed successfully and that the correct DB2 data-sharing group name was specified on the QSGDATA system parameter.

CSQ5022I *csect-name* **Pending connection to DB2 using connect-name ended, queue manager terminating**

Explanation: The outstanding connection pending request to DB2 has been terminated due to a STOP QMGR request.

System Action: The pending connect to DB2 is cancelled and queue manager termination continues.

System Programmer Response: None.

CSQ5023E *csect-name* **SQL error, table table-name locked by another DB2**

Explanation: An attempt by the queue manager to access one of its tables was returned an SQL code indicating that the named resource is currently locked.

System Action: The request fails and processing continues.

System Programmer Response: Determine from the message and the DB2 log the resource concerned and perform the recovery actions necessary to unlock the resource.

The most likely cause of this problem is a DB2 failure while updating one of the DB2 tables. The DB2 log should indicate the resource and the type of lock outstanding.

CSQ5024E *csect-name* **Unable to update queue manager status, RC=return-code**

Explanation: During startup and shutdown processing the queue manager attempts to update its status in the CSQ.ADMIN_B_QMGR table. This attempt failed.

System Action: None. Startup/shutdown processing continues.

System Programmer Response: None.

CSQ5025E *csect-name* **SQL error, function** *function*
code=SQL-code

Explanation: A call to the SQL function specified by *function* returned a non-zero code specified by *SQL-code*.

System Action: Processing continues.

System Programmer Response: Note the values contained in the message, and contact your IBM support center. Consult the *DB2 for z/OS Messages and Codes* manual for more information about the error code.

CSQ5026E *csect-name* **Unable to access DB2, RRS is not available**

Explanation: The queue manager tried to access DB2, but RRS is not available.

System Action: If this occurs during queue manager initialization, the queue manager waits for RRS to become available.

If this occurs at other times, the queue manager terminates its connection to DB2, and then tries to reconnect. Some queue-sharing group functions will not be available until RRS is restarted and the connection to DB2 is reestablished.

System Programmer Response: Start (or restart) RRS.

CSQ5027E *csect-name* **SQL error for table** *table-name*,
deadlock or timeout occurred
(code=SQL-code)

Explanation: An SQL call returned a non-zero code indicating that a deadlock or timeout condition occurred.

System Action: The request fails and processing continues.

System Programmer Response: Retry the command or application involved. If the problem persists, contact your IBM support center. Consult the *DB2 for z/OS Messages and Codes* manual for more information about the error code.

CSQ5028E *csect-name* **Unable to access DB2, RRS connection limit exceeded**

Explanation: The queue manager tried to access DB2, but RRS has reached the limit of allowed concurrent connections (IDENTIFYs).

System Action: If this occurs during queue manager initialization, the queue manager waits for an RRS connection to become available.

If this occurs at other times, the queue manager terminates its connection to DB2, and then tries to reconnect. Some queue-sharing group functions will not

be available until RRS is restarted and the connection to DB2 is reestablished.

System Programmer Response: Adjust the RRS connection limit if required, then start (or restart) RRS.

CSQ5100I **DISPLAY GROUP report ...**

Explanation: This message is the initial response to the DISPLAY GROUP command. It is followed by message CSQ5102I which is a formatted report of the queue managers in the group.

System Action: Processing continues normally.

CSQ5102I **Queue managers in group** *group-name*

Explanation: This message is part of the responses to the DISPLAY GROUP command. It provides information about each queue manager in the group, as follows:

Name	Num	Prefix	Status	Ver	DB2	Connection
<i>name</i>	<i>num</i>	<i>cpf</i>	<i>qmgr-stat</i>	<i>vrn</i>	<i>db2-id</i>	<i>conn-stat</i>
:	:	:	:	:	:	:

End of queue managers report

where:

name The name of the queue manager.

num The internally generated number of the queue manager in the group.

cpf The command prefix of the queue manager.

qmgr-stat

The current status of the queue manager:

ACTIVE

The queue manager is running.

INACTIVE

The queue manager is not running, having terminated normally.

FAILED

The queue manager is not running, having terminated abnormally.

CREATED

The queue manager has been defined to the group, but has not yet been started.

UNKNOWN

The status cannot be determined.

vrn The function level of the queue manager. The value is a 3-digit number, where:

v is the version number

r is the release number

m is the modification number.

db2-id The name of the DB2 subsystem or group attachment to which the queue manager connects.

conn-stat

The current status of the connection to DB2:

ACTIVE

The queue manager is running and connected to DB2.

PENDING

The queue manager is running but not connected because DB2 has terminated normally.

FAILED

The queue manager is running but not connected because DB2 has terminated abnormally.

INACTIVE

The queue manager is not running and not connected to DB2.

UNKNOWN

The status cannot be determined.

Exceptionally, the last line might be either:

Report terminated, too many lines

if the report was generated in response to a command from a z/OS console and more than 253 response lines were generated. Only 253 response lines are returned.

Report terminated

if there was an error in obtaining the information. The error is described in the following messages.

System Action: Processing continues normally.

CSQ5113I Queue manager is not in a queue-sharing group

Explanation: A command that requires a queue-sharing group was entered, but the queue manager is not in a group.

Severity: 0

System Action: The command is not actioned.

CSQ5116E call-name call failed, rc=rc reason=reason

Explanation: During processing for a DISPLAY GROUP command, a coupling facility services call used to get information failed. *rc* is the return code and *reason* is the reason code (both in hexadecimal) from the call.

Severity: 8

System Action: Processing is terminated. A following message is issued to identify which type of information was being obtained.

System Programmer Response: See the *z/OS MVS Programming Sysplex Services Reference* manual for

information about the return and reason codes from the call.

**CSQ5117E Information not available for group
group-name – reason**

Explanation: During processing for a DISPLAY GROUP command, information could not be obtained for the group, for the *reason* indicated:

ERROR

A coupling facility services call failed, as indicated in the preceding CSQ5116E message.

CHANGED

The group size has changed.

Severity: 8

System Action: Processing is terminated.

System Programmer Response: Resolve the problem accordingly.

Chapter 22. 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.

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.

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.

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command. See the *WebSphere MQ Script (MQSC) 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'.

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command. See the *WebSphere MQ Script (MQSC) Command Reference* manual for information about the rules for building commands.

CSQ9004E KEYWORD *keyword-name* RANGE (:) INCORRECTLY SPECIFIED

Explanation: The range for a keyword (specified in the message as *keyword-name*) was incorrectly specified. The character used to denote a range is a colon (:).

An example of this error is CLASS(2:), because the end limit of the range was omitted. A correctly specified range would be CLASS(2:4).

System Action: Processing for the command is terminated.

System Programmer Response: See the *WebSphere MQ Script (MQSC) 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 (*) 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*).

System Action: Processing for the command is terminated.

System Programmer Response: See the *WebSphere MQ Script (MQSC) 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 (*)
INCORRECTLY USED**

Explanation: For the keyword specified in the message (as *keyword-name*), an asterisk (*) 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(*).

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command. See the *WebSphere MQ Script (MQSC) 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.

System Action: Processing for the command is terminated.

System Programmer Response: Reissue the command and include whichever keyword is appropriate. See the *WebSphere MQ Script (MQSC) 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.

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 *WebSphere MQ Script (MQSC) 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.

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 *WebSphere MQ Script (MQSC) 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(' ').

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 *WebSphere MQ Script (MQSC) 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.

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, correct the error, and reissue the command. See the *WebSphere MQ Script (MQSC) 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. Hexadecimal characters are the numeric digits 0 through 9 and the letters A through F, in either uppercase or lowercase. The value may optionally be specified using the hexadecimal string notation X'hex characters'; for example, *keyword-name*(123ABC) and *keyword-name*(X'123ABC') are synonymous.

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.

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry. See the *WebSphere MQ Script (MQSC) 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 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.

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 the

WebSphere MQ Script (MQSC) 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.

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command. See the *WebSphere MQ Script (MQSC) 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.

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 command preprocessor has ended abnormally 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.

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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

CSQ9018E *csect-name* ENDING '*verb-name*'
PROCESSING DUE TO INSUFFICIENT
STORAGE AVAILABLE

Explanation: The 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.

System Action: Processing for the command is terminated abnormally.

Operator Response: Notify the system programmer before attempting to reissue the command.

System Programmer Response: 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.

Problem Determination: The invoked command had completed processing and returned to the 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 KNOWN

Explanation: The command specified in the message (as *verb-name*) was entered, but it is not known to MQ; it is an undefined command. *verb-name* might include the command prefix (CPF). This depends on how the command was entered.

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command. See the *WebSphere MQ Script (MQSC) Command Reference* manual for the correct command format, and for information about the

rules for building commands.

CSQ9020E KEYWORDS *name1* AND *name2*
CANNOT BOTH BE SPECIFIED

Explanation: The command does not allow keyword *name1* and keyword *name2* to be specified together.

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 *WebSphere MQ Script (MQSC) Command Reference* manual for descriptions of the two keywords.

CSQ9021E VERB *verb-name* SECONDARY
KEYWORD IS MISSING OR NOT
KNOWN

Explanation: The command specified in the message (as *verb-name*) was entered, but no keywords were specified or none of those specified is valid as a secondary keyword for the command. *verb-name* might include the command prefix (CPF). This depends on how the command was entered.

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command. See the *WebSphere MQ Script (MQSC) 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.

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. *verb-name* might include the command prefix (CPF). This depends on how the command was entered.

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.

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.

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.

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.

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.

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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error.
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, 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.

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).

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 *WebSphere MQ Script (MQSC) 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.

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 control 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 data sets
- the COMMAND function of the utility program CSQUTIL
- a user-written program that puts commands onto the system-command input queue, SYSTEM.COMMAND.INPUT

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: If you are using the operations and control 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 *WebSphere MQ Script (MQSC) 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. The command
| cannot be issued in that way.

| The command server is used by commands entered
| through one of the following:

- | • the COMMAND function of CSQUTIL
- | • the CSQINPX initialization input data set of the
| channel initiator
- | • a user-written program that puts commands onto the
| system-command input queue,
| SYSTEM.COMMAND.INPUT

Severity: 8

System Action: The command is ignored.

CSQ9035E *csect-name* **REQUIRED KEYWORD IS
MISSING**

Explanation: A command has been entered that requires one of a set of alternative keywords to be specified, but none was.

Severity: 8

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command. See the *WebSphere MQ Script (MQSC) Command Reference* manual for the proper format of the named command, and for information about the rules for building commands.

CSQ9036E *keyword-name* **PARAMETER
'parameter-value' NOT ALLOWED WHEN
QUEUE MANAGER IS ACTIVE**

Explanation: An attempt was made to issue a command with the specified value for named keyword. The command with this keyword and value can be issued only when the queue manager is not active.

Severity: 8

System Action: The command is ignored.

System Programmer Response: See the *WebSphere MQ Script (MQSC) Command Reference* manual for information about how to use the command.

CSQ9037E COMMAND MUST BE ISSUED FROM
ddname

Explanation: An attempt was made to issue a command from the specified initialization input data set. The command cannot be issued from that data set.

Severity: 8

System Action: The command is ignored.

System Programmer Response: See the *WebSphere MQ Script (MQSC) Command Reference* manual for information about how to use the command.

CSQ9038E COMMAND MUST BE ISSUED FROM
CONSOLE

Explanation: An attempt was made to issue a command from other than the z/OS console or its equivalent. The command can only be issued in that way.

Severity: 8

System Action: The command is ignored.

System Programmer Response: Issue the command from the z/OS console; it cannot be issued from elsewhere.

See the *WebSphere MQ Script (MQSC) Command Reference* manual for information about how to use the command.

CSQ9039E COMMAND CANNOT BE ISSUED
FROM CONSOLE

Explanation: An attempt was made to issue a command from the z/OS console or its equivalent. The command cannot be issued in that way.

Severity: 8

System Action: The command is ignored.

System Programmer Response: See the *WebSphere MQ Script (MQSC) Command Reference* manual for information about how to use the command.

CSQ9040E COMMAND CANNOT BE ISSUED
FROM *ddname*

Explanation: An attempt was made to issue a command from the specified initialization input data set. The command cannot be issued from that data set.

Severity: 8

System Action: The command is ignored.

System Programmer Response: See the *WebSphere MQ Script (MQSC) Command Reference* manual for information about how to use the command.

CSQ9041E COMMAND NOT ALLOWED DURING
RESTART

Explanation: An attempt was made to issue a command before restart had completed, but the command cannot be issued at that time. This could be because the command was in the CSQINP1 initialization input data set.

Severity: 8

System Action: The command is ignored.

System Programmer Response: If the command was in the CSQINP1 initialization input data set, delete it. See the *WebSphere MQ for z/OS System Setup Guide* for more information about the initialization input data sets.

Part 2. Codes

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Chapter 23. Connection manager codes (X'94')

00940001

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and the queue manager terminates.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM Support Center.

Restart your queue manager.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00940003

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00940004

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00940007

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00940008

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and the queue manager terminates.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM Support Center.

Restart your queue manager.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

Chapter 24. Batch adapter codes (X'C2')

00C20001

Explanation: The CSQBSRV program has detected a request for a nonexistent function. CSQBSRV is invoked from batch and RRS-batch applications via a stub such as CSQBSTUB, CSQBRRSI, or CSQBRSTB.

System Action: The application program ends abnormally, but MQ continues processing.

System Programmer Response: Verify that the versions of CSQBSRV and the stub are compatible.

Problem Determination: The most likely cause of this problem is incompatible versions of CSQBSRV and the stub. If this is not the cause of the problem, obtain the diagnostic items listed below, and contact your IBM support center.

- Application program listing
- Queue manager job log
- PSW and registers at point of failure

Chapter 25. Coupling Facility codes (X'C5')

Table 2. Coupling facility codes for internal errors

00C51001	00C51028	00C51034	00C51040	00C51054	00C510A7
00C51004	00C51029	00C51035	00C51041	00C51055	00C510A8
00C5100A	00C5102A	00C51036	00C51042	00C51056	00C510A9
00C5101A	00C5102B	00C51037	00C51043	00C51090	00C510AA
00C5101D	00C5102C	00C51038	00C51044	00C51092	00C510AB
00C51021	00C5102D	00C51039	00C51045	00C51093	00C510AC
00C51022	00C5102E	00C5103A	00C51046	00C510A1	00C510AD
00C51023	00C5102F	00C5103B	00C51047	00C510A2	
00C51024	00C51030	00C5103C	00C51050	00C510A3	
00C51025	00C51031	00C5103D	00C51051	00C510A4	
00C51026	00C51032	00C5103E	00C51052	00C510A5	
00C51027	00C51033	00C5103F	00C51053	00C510A6	

00C5004F

Explanation: This reason code is issued in message CSQM090E when a command has failed. It indicates that a request has been issued for a CF structure, but the request cannot be performed, as explained in the accompanying more specific message.

Severity: 4

System Action: The command is ignored.

System Programmer Response: Refer to the description of the accompanying message.

00C51001-00C510AD

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Restart the queue manager if necessary.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS

- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C53000

Explanation: The queue manager cannot use the administration structure because its size is less than the minimum that MQ requires.

System Action: The queue manager terminates with completion code X'6C6'.

System Programmer Response: Increase the size of the administration structure. See message CSQE022E for more information.

00C53001

Explanation: The queue manager has detected a mismatch between the queue-sharing group creation timestamp in the DB2 tables and the creation timestamp associated with the structure name in message CSQE029E.

System Action: The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

System Programmer Response: Verify the queue manager, queue-sharing group and data-sharing group configuration and determine whether a queue manager has configured to connect to a different DB2 data-sharing group.

If the queue manager and queue-sharing group configuration is correct then deallocate the structure

using the z/OS commands SETXCF
FORCE,CON,STRNAME=*ext-struc-*
name,CONNNAME=ALL and SETXCF
FORCE,STRUCTURE,STRNAME=*ext-struc-name*. (In
these commands, *ext-struc-name* is formed by prefixing
the MQ structure name from message CSQE029E with
the queue-sharing group name.)

Chapter 26. Message generator codes (X'C6')

00C60001

Explanation: MQ received return code X'20' when issuing a WTO request to display a console message. This means that there are no message buffers for either Multiple Console Support (MCS) or JES3, or there is a JES3 WTO staging area excess. The WTO request is terminated. The current console message and all subsequent informational console messages are ignored until the problem is corrected.

System Action: A record is written to SYS1.LOGREC. A retry is requested and execution continues. MQ resumes issuing console messages when the condition is corrected.

00C60004

Explanation: The queue manager was unable to load the message table (CSQFMTAB).

System Action: The queue manager 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 the queue manager.

00C60005

Explanation: An internal error has occurred.

System Action: The queue manager 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.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C60006

Explanation: The MQ utility program was unable to load its message table (CSQFSTAB).

System Action: The utility program ends abnormally.

System Programmer Response: Check the console for messages indicating why CSQFSTAB 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 MQ CICS adapter was unable to load its message table (CSQFCTAB).

System Action: The MQ CICS adapter server task terminates.

System Programmer Response: Check the console for messages indicating why CSQFCTAB 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.

CSQCSERV attempts to load this module from the library data sets under the STEPLIB DD statement of the CICS address space.

00C60008

Explanation: The MQ utility program was unable to load its message table (CSQFLTAB).

System Action: The utility program ends abnormally.

System Programmer Response: Check the console for messages indicating why CSQFLTAB 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.

00C6000A

Explanation: The MQ early processing program was unable to load its message table (CSQ3ECMX).

System Action: The queue manager terminates.

System Programmer Response: Ensure that the message table in the required library (SCSQSNLx, where x is your national language letter), and that it is referenced correctly, and re-ipl z/OS or use the z/OS command SETSSI ADD to restart the queue manager.

00C6000B

Explanation: The distributed queuing component was unable to load its message table (CSQFXTAB).

System Action: The channel initiator ends.

System Programmer Response: Check the console for messages indicating why CSQFXTAB 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 restart the channel initiator.

00C6000C

Explanation: The IMS trigger monitor was unable to load its message table (CSQFSTAB).

System Action: The trigger monitor ends.

System Programmer Response: Check the console for messages indicating why CSQFSTAB 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 restart the trigger monitor.

Chapter 27. 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.

System Action: Control is percolated to the z/OS recovery termination manager, and a dump is requested.

System Programmer Response: Retain the dump, and contact your IBM support center for assistance.

Restart the queue manager if necessary.

00C70020

Explanation: A critical procedure recovery routine has ended abnormally, causing a secondary abnormal end.

System Action: Control is percolated to the z/OS recovery termination manager, and in some cases the queue manager 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.

Restart the queue manager if necessary.

00C70030

Explanation: A request to z/OS to establish an ESTAE produced a non-zero return code.

System Action: A dump is requested.

Problem Determination: The return code from z/OS is captured in register 14. See the *MVS Assembler Services Reference* manual for an explanation of the return code.

00C70040

Explanation: This abnormal end reason code was caused by an internal MQ error.

System Action: Control is percolated to the z/OS recovery termination manager, and a dump is requested.

Problem Determination: Retain the dump, and contact your IBM support center for assistance.

Restart the queue manager if necessary.

Chapter 28. 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.

System Action: The queue manager 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 restart the queue manager. 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:

- Queue manager job log
- Information about any other storage related problems
- System dump resulting from the error

00C80002

Explanation: An attempt to obtain storage for the security manager was unsuccessful.

Note: This could indicate a system-wide storage problem.

System Action: The queue manager 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 restart the queue manager. 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:

- Queue manager job log
- Information about any other storage related problems
- System dump resulting from the error

00C80003

Explanation: An attempt to obtain a storage subpool for the security manager was unsuccessful.

Note: This could indicate a system-wide storage problem.

System Action: The queue manager 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 restart the queue manager. 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:

- Queue manager job log
- Information about any other storage related problems
- System dump resulting from the error

00C80004

Explanation: An internal error has occurred.

System Action: The queue manager 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.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error
- 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 queue manager initialization time.

System Action: The queue manager 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:

- Queue manager job log
- System dump resulting from the error

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 queue manager initialization time.

System Action: The queue manager 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 *WebSphere MQ for z/OS System Setup Guide* for information about setting MQ security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

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 queue manager initialization time.

System Action: The queue manager 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:

- Queue manager job log
- System dump resulting from the error

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 queue manager initialization time:

- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=LIST
- RACROUTE REQUEST=STAT

System Action: Message CSQH004I is produced containing the return codes from SAF and the ESM. The queue manager 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 *WebSphere MQ for z/OS System Setup*

Guide for information about setting MQ security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C8000E

Explanation: An unexpected setting for the subsystem security switch was encountered.

System Action: The queue manager 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.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error
- 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.

System Action: The queue manager 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.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80010

Explanation: An attempt to obtain storage for the security manager was unsuccessful.

Note: This could indicate a system-wide storage problem.

System Action: The current execution unit terminates with a completion 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 restart the queue manager. 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- Information about any other storage related problems
- System dump resulting from the error
- The internal trace entries from the dump which give the return codes from the unsuccessful storage call
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, 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.

System Action: The current execution unit terminates with a completion 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 restart the queue manager. 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- Information about any other storage related problems
- System dump resulting from the error
- The internal trace entries from the dump which give the return codes from the unsuccessful storage call
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, 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.

System Action: The current execution unit terminates with a completion 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 restart the queue manager. 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- Information about any other storage related problems
- System dump resulting from the error
- The internal trace entries from the dump which give the return codes from the unsuccessful storage call
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00C80013

Explanation: An internal error has occurred while processing a security request.

System Action: The current execution unit terminates with a completion 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, 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.

System Action: The current execution unit terminates with a completion 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 restart the queue manager. 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- Information about any other storage related problems
- System dump resulting from the error
- The internal trace entries from the dump which give the return codes from the unsuccessful storage call
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00C80024

Explanation: An internal error has occurred while processing a command.

System Action: The current execution unit terminates with a completion 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- The security command issued prior to the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00C80025

Explanation: An internal error has occurred while processing a command.

System Action: The current execution unit terminates with a completion 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- The security command issued prior to the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00C80026

Explanation: An internal error has occurred while processing a command.

System Action: The current execution unit terminates with a completion 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- The security command issued prior to the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00C80027

Explanation: An unrecognized keyword was encountered whilst processing a REFRESH SECURITY command.

System Action: The current execution unit terminates with a completion 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS

- The WebSphere MQ, z/OS, 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.

System Action: The current execution unit terminates with a completion 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- The security command entered prior to the error (if any)
- Information about any other storage related problems
- System dump resulting from the error
- The internal trace entries from the dump which give the return codes from the unsuccessful storage call
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, 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.

System Action: The current execution unit terminates with a completion 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, 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.

System Action: The current execution unit terminates with a completion 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, 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

System Action: The current execution unit terminates with a completion 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 error 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 *WebSphere MQ for z/OS System Setup Guide* information about setting MQ 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, 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.

System Action: The current execution unit terminates with a completion 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager 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 error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- The contents of register 2

00C80034

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with a completion 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, 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.

System Action: The current execution unit terminates with a completion 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, 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.

System Action: The current execution unit terminates with a completion 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 *WebSphere MQ for z/OS System Setup Guide* for information about setting MQ 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, 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.

System Action: The current execution unit terminates with a completion 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, 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

System Action: The current execution unit terminates with a completion 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 error 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 *WebSphere MQ for z/OS*

System Setup Guide for information about setting MQ 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, 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.

System Action: The current execution unit terminates with a completion 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- The security command entered prior to the problem
- Information about any other storage related problems
- System dump resulting from the error
- The internal trace entries from the dump which give the return codes from the unsuccessful GETMAIN call
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, 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 MQ timer component.

Note: This could indicate a system-wide problem with the timer component, or the system timer.

System Action: Messages CSQH009I and CSQH010I are issued. The current execution unit terminates with a completion 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- The security command entered prior to the problem (if any)
- Information about any other timer related problems
- System dump resulting from the error
- The internal trace entries from the dump which give the return codes from the timer component
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, 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 MQ timer component.

Note: This could indicate a system-wide problem with the timer component, or the system timer.

System Action: Message CSQH010I is issued. The current execution unit terminates with a completion 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- The security command entered prior to the problem
- Information about any other timer related problems
- System dump resulting from the error
- The internal trace entries from the dump which give the return codes from the timer component
- CICS transaction dump output, if using CICS

- The WebSphere MQ, z/OS, 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 MQ timer component.

Note: This could indicate a system-wide problem with the timer component, or the system timer.

System Action: Message CSQH010I is issued. The queue manager 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:

- Queue manager job log
- System dump resulting from the error
- 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 output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00C80043

Explanation: A severe error has occurred whilst processing a DISPLAY SECURITY command. A parameter has been entered on the SECURITY keyword, but this is invalid.

System Action: The current execution unit terminates with a completion 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The security command issued prior to the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00C80044

Explanation: A severe error has occurred whilst processing an ALTER SECURITY command. A parameter has been entered on the SECURITY keyword, but this is invalid.

System Action: The current execution unit terminates with a completion 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The security command issued prior to the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00C80045

Explanation: A severe error has occurred because the last security refresh did not complete successfully.

System Action: The current execution unit terminates with error 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The security command entered prior to the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, 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.

System Action: The queue manager 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:

- Queue manager job log
- Note any other storage related problems occurring.
- System dump resulting from the error.
- 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.

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 error, or if applicable, a listing of the application program, or input string to a utility program, being run at the time of the error.
- Queue manager job log
- Note any other storage related problems that occur.
- System dump resulting from the error.
- The internal trace table should show you the return codes from the failed storage call.
- System dump resulting from the error

00C80050

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

System Action: The queue manager 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:

- Queue manager job log
- System dump resulting from the error

00C80051

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

System Action: The queue manager 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 *WebSphere MQ for z/OS System Setup Guide* for information about setting MQ security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80052

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 queue manager initialization time.

System Action: The queue manager 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:

- Queue manager job log
- System dump resulting from the error

00C80053

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 queue manager initialization time.

- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=LIST
- RACROUTE REQUEST=STAT

System Action: Message CSQH004I is produced containing the return codes from SAF and the ESM. The queue manager 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 *WebSphere MQ for z/OS System Setup Guide* for information about setting MQ . security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80054

Explanation: An unexpected setting for the subsystem security switch was encountered.

System Action: The queue manager 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.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error
- A note of what you expected the switch to be set to, and whether you had defined a profile for it or not

00C80055

Explanation: An internal loop count was exceeded during security switch processing at queue manager initialization time.

System Action: The queue manager 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: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80060

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

System Action: The queue manager 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:

- Queue manager job log
- System dump resulting from the error

00C80061

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

System Action: The queue manager 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 *WebSphere MQ for z/OS System Setup Guide* for information about setting MQ security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80062

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 queue manager initialization time.

System Action: The queue manager 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:

- Queue manager job log
- System dump resulting from the error

00C80063

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 queue manager initialization time.

- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=LIST
- RACROUTE REQUEST=STAT

System Action: Message CSQH004I is produced containing the return codes from SAF and the ESM. The queue manager 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 *WebSphere MQ for z/OS System Setup Guide* for information about setting MQ security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80064

Explanation: An unexpected setting for the subsystem security switch was encountered.

System Action: The queue manager 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.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error
- A note of what you expected the switch to be set to, and whether you had defined a profile for it or not

00C80065

Explanation: An internal loop count was exceeded during security switch processing at queue manager initialization time.

System Action: The queue manager 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: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80070

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

System Action: The queue manager 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:

- Queue manager job log
- System dump resulting from the error

00C80071

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

System Action: The queue manager 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 *WebSphere MQ for z/OS System Setup Guide* for information about setting MQ security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80072

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 queue manager initialization time.

System Action: The queue manager 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:

- Queue manager job log
- System dump resulting from the error

00C80073

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 queue manager initialization time.

- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=LIST
- RACROUTE REQUEST=STAT

System Action: Message CSQH004I is produced containing the return codes from SAF and the ESM. The queue manager 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 *WebSphere MQ for z/OS System Setup Guide* for information about setting MQ security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80074

Explanation: An unexpected setting for the subsystem security switch was encountered.

System Action: The queue manager 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.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error
- A note of what you expected the switch to be set to, and whether you had defined a profile for it or not

00C80075

Explanation: An internal loop count was exceeded during security switch processing at queue manager initialization time.

System Action: The queue manager 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: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80080

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

System Action: The queue manager 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:

- Queue manager job log
- System dump resulting from the error

00C80081

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

System Action: The queue manager 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 *WebSphere MQ for z/OS System Setup Guide* for information about setting MQ security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log

- System dump resulting from the error

00C80082

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 queue manager initialization time.

System Action: The queue manager 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:

- Queue manager job log
- System dump resulting from the error

00C80083

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 queue manager initialization time.

- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=LIST
- RACROUTE REQUEST=STAT

System Action: Message CSQH004I is produced containing the return codes from SAF and the ESM. The queue manager 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 *WebSphere MQ for z/OS System Setup Guide* for information about setting MQ security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80084

Explanation: An unexpected setting for the subsystem security switch was encountered.

System Action: The queue manager 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.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error
- A note of what you expected the switch to be set to, and whether you had defined a profile for it or not

00C80090

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

System Action: The queue manager 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:

- Queue manager job log
- System dump resulting from the error

00C80091

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

System Action: The queue manager 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 *WebSphere MQ for z/OS System Setup Guide* for information about setting MQ security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80092

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 queue manager initialization time.

System Action: The queue manager 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:

- Queue manager job log
- System dump resulting from the error

00C80093

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 queue manager initialization time.

- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=LIST
- RACROUTE REQUEST=STAT

System Action: Message CSQH004I is produced containing the return codes from SAF and the ESM. The queue manager 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 *WebSphere MQ for z/OS System Setup Guide* for information about setting MQ security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80094

Explanation: An unexpected setting for the subsystem security switch was encountered.

System Action: The queue manager 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.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error
- A note of what you expected the switch to be set to, and whether you had defined a profile for it or not

00C80095

Explanation: An internal loop count was exceeded during security switch processing at queue manager initialization time.

System Action: The queue manager 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: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80100

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

System Action: The queue manager 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:

- Queue manager job log
- System dump resulting from the error

00C80101

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

System Action: The queue manager 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 *WebSphere MQ for z/OS System Setup Guide* for information about setting MQ security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log

- System dump resulting from the error

00C80102

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 queue manager initialization time.

System Action: The queue manager 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:

- Queue manager job log
- System dump resulting from the error

00C80103

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 queue manager initialization time.

- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=LIST
- RACROUTE REQUEST=STAT

System Action: Message CSQH004I is produced containing the return codes from SAF and the ESM. The queue manager 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 *WebSphere MQ for z/OS System Setup Guide* for information about setting MQ security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80104

Explanation: An unexpected setting for the subsystem security switch was encountered.

System Action: The queue manager 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.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error
- A note of what you expected the switch to be set to, and whether you had defined a profile for it or not

00C80105

Explanation: An internal loop count was exceeded during security switch processing at queue manager initialization time.

System Action: The queue manager 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: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80200

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

System Action: The queue manager 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:

- Queue manager job log
- System dump resulting from the error

00C80201

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

System Action: The queue manager 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 *WebSphere MQ for z/OS System Setup Guide* for information about setting MQ security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80202

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 queue manager initialization time.

System Action: The queue manager 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:

- Queue manager job log
- System dump resulting from the error

00C80203

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 queue manager initialization time.

- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=LIST
- RACROUTE REQUEST=STAT

System Action: Message CSQH004I is produced containing the return codes from SAF and the ESM. The queue manager 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 *WebSphere MQ for z/OS System Setup Guide* for information about setting MQ security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80204

Explanation: An unexpected setting for the subsystem security switch was encountered.

System Action: The queue manager 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.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error
- A note of what you expected the switch to be set to, and whether you had defined a profile for it or not

00C80205

Explanation: An internal loop count was exceeded during security switch processing at queue manager initialization time.

System Action: The queue manager 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: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80206

Explanation: An unexpected setting for the request type was encountered on an authentication request.

System Action: The current execution unit terminates with a completion code of X'5C6' and a dump is produced. Register 2 contains the request type in error.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C80207

Explanation: An unexpected setting for the request type was encountered on an authentication request.

System Action: The queue manager terminates and a dump is produced. Register 2 contains the request type in error.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- System dump resulting from the error

00C81000

Explanation: A severe error has occurred while processing a REFRESH SECURITY command.

System Action: The current execution unit terminates with error 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 error, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The security command entered prior to the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels

Chapter 29. Data manager codes (X'C9')

00C90100

Explanation: The object MQ was trying to create was too large to be stored.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C90200

Explanation: A page set page retrieved was not valid.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C90201

Explanation: A page set page retrieved was not valid. The page was not a header page.

System Action: The current execution unit terminates

with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C90202

Explanation: A page set page retrieved was not valid. The page was not a data page.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C90300

Explanation: MQ was unable to start a unit of recovery for this execution unit.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C90301

Explanation: An internal logging error has occurred for the current execution unit.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C90400

Explanation: The data manager has detected an invalid log record.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS

- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C90401

Explanation: The data manager has detected an invalid log record subtype.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control 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.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control 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.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C90700

Explanation: The data manager was unable to locate its *resource access list entry* (RALE).

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C90800

Explanation: The data manager was requested to put a message on a queue, but told to give the message an invalid priority.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control 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.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C90A00

Explanation: The data manager was asked to carry out a value logging operation with an invalid length field.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C90B00

Explanation: The space reclamation routines have been asked to deallocate a page that is not in a state to be deallocated.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C90C00

Explanation: An object type description passed to the data manager is not valid.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS

- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C90D00

Explanation: A page set that was originally page set n is being presented as being a different page set, probably because the started task JCL procedure for the queue manager has been changed. Register 0 contains the identifier of the page set in error, and register 2 contains the identifier it was previously associated with.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Check the started task JCL procedure for the queue manager, and undo any changes to the CSQPnnnn DD statements that specify the page sets. Restart the queue manager. If the problem persists, or 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C90D01

Explanation: Your data set is not recognized as an MQ page set. This is probably because it has not been formatted.

Register 0 contains the identifier of the page set in error.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Format the page set.

00C90D02

Explanation: This reason code is caused by one of the following:

- An attempt to use a page set that is a valid MQ page set, but does not belong to this queue manager
- An attempt to change the subsystem name

Neither of these actions is allowed.

Register 0 contains the identifier of the page set in error.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: If you were attempting to use a page set from another queue manager, correct the error. Do not attempt to change the name of your queue manager.

00C90D03

Explanation: An internal error has occurred during processing of an MQGET call with the Mark Skip Backout option.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C90D04

Explanation: During restart, the queue manager 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.

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 the queue manager.

00C90E00

Explanation: The data manager was passed an invalid parameter describing the location of a logical record within a data page and page set.

System Action: The current execution unit terminates

with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C90F00

Explanation: The data manager was requested to update a logical record within a page, but the record had been deleted previously.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C91000

Explanation: The data manager was asked to retrieve a message from an object that was not a local queue.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C91101

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C91102

Explanation: MQ received a return code indicating an error from the RRS ATRSROI service.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

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.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C91200

Explanation: The internal data manager locate-object routine could not find the object it was seeking during UNDO processing.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C91300

Explanation: During queue manager startup, an attempt was made to recover an object, the length of which exceeds a single data page. However, one of the intermediate data pages was not available, and MQ was unable to recover the object.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error

- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C91400

Explanation: The data manager was unable to access the header page (page 0) of one of the page sets.

System Action: The current execution unit terminates with completion 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 IEC161I or CSQP011I 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 started task JCL procedure for the queue manager, xxxxMSTR?
 - 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 initialization input data set?
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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C91500

Explanation: During queue manager 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.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C91600

Explanation: During restart, the data manager rebuilds its in-storage structures from page set data. On rebuilding an object, data manager discovered that the object already exists.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C91700

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C91800

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C91900

Explanation: During restart, data manager has detected an error in the rebuild of its in-storage object structures.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels

- ISPF panel name, if using the MQ Operations and Control 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 the queue manager 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.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C91C00

Explanation: A delete purge request has been issued but the object type is not a local queue.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
 - Queue manager job log
 - The MQ active log data set
 - System dump resulting from the error
 - CICS transaction dump output, if using CICS
 - The WebSphere MQ, z/OS, CICS, and IMS service levels
 - ISPF panel name, if using the MQ Operations and Control 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.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C91E00

Explanation: During a request issued by CSQIPUT5 or CSQIPUT6, an attempt to obtain a page level lock was unsuccessful.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C91F00

Explanation: During a request issued by CSQIPUT5 or CSQIPUT6, an attempt to obtain a record level lock was unsuccessful.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C92000

Explanation: An attempt to obtain a page level lock on the owner page relating to an object or message was unsuccessful.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C92100

Explanation: An attempt to obtain a page level lock while trying to insert data was unsuccessful.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C92200

Explanation: An attempt to obtain a record level lock while trying to insert data was unsuccessful.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C92300

Explanation: An attempt to obtain a record level lock while trying to amend data was unsuccessful.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels

- ISPF panel name, if using the MQ Operations and Control panels

00C92400

Explanation: An attempt to get a lock on object type concatenated with object name within CSQIMGE1 was unsuccessful.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C92500

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C92600

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C92700

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C92800

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set

- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C92900

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C92A00

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C92B00

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C92C00

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C92D00

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C92E00

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C92F00

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C93000

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C93100

Explanation: A keyed read queue has encountered an error. A problem has occurred in the hash-table structure for the queue.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C93200

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C93300

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C93500

Explanation: MQ was extending a page set at startup, based on log records from earlier dynamic page set extend operations. (MQ 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 MQ was trying to extend to |
| R3 | The high page number at restart. This is the base from which MQ was extending. |

System Action: The current execution unit terminates with completion 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 reason code is issued on queue manager restart if it is *not* the first time the queue manager 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.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Collect the dump and a listing of your page set 0 and contact your IBM support center.

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 reason code is issued on queue manager restart if it is *not* the first time the queue manager has been started after migration to a new version. It is preceded by one or more instances of message CSQI028E.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Collect the dump and a listing of your page set 0 and contact your IBM support center.

00C93900

Explanation: During MQPUT processing, MQ was unable to acquire a lock on the storage class of the queue.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set

- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C93A00

Explanation: During MQGET processing, MQ was unable to acquire a lock on the queue it was processing.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C93B00

Explanation: During MQPUT processing, MQ was unable to acquire a lock on the queue it was processing.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C93C00

Explanation: During MQGET processing, MQ was unable to retrieve a message page from a queue it was processing.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C93D00

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C93E00

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C93F00

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C94000

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels

- ISPF panel name, if using the MQ Operations and Control panels

Number changed from 00C95000 to 00C94100 - Clare Sprenger

00C94100

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C94200

Explanation: MQ received a return code indicating an error from the RRS ATREINT service. This can occur if RRS is stopped when running an MQ application linked with an RRS stub.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: The return code from ATREINT is in register 3. See the *MVS Programming: Resource Recovery* manual for information about the return code.

00C94300

Explanation: MQ received a return code indicating an error from the RRS ATRSIT service.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

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: MQ received a return code indicating an error from the RRS ATRSPID service.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

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.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C94501

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C94502

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C94503

Explanation: A page set that has been the subject of the RESETPAGE function had not previously been through a clean shutdown of the queue manager. Using this page set for subsequent MQ processing would lead to data integrity problems.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: The problem determination section might help you diagnose the problem.

Contact your IBM support center if you need help.

Problem Determination: Check the page sets that are defined to the queue manager. One or more of the page sets has been the subject of a RESETPAGE operation. The RESETPAGE operation should not be run against page sets that are either of the following:

- Fuzzy page set backups
- From a queue manager that has terminated abnormally

If you are unable to solve the problem, collect the following diagnostic items and contact your IBM support center:

- Queue manager job log
- System dump resulting from the error
- Any output from the RESETPAGE job that was previously run
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00C94505

Explanation: An internal error has just occurred.

An attempt to restart with a log from another queue manager was detected. The queue-sharing group name recorded in the log during checkpoint does not match the name of the queue-sharing group in the queue manager using that log. If the correct log is being used, you can perform the change only after a clean shutdown of the queue manager, that is, after a quiesce.

Message CSQI060E is issued before this error occurs.

System Action: Restart is terminated abnormally with completion code X'5C6' and reason code X'00C94505'.

System Programmer Response: Restart the queue manager using the correct logs and BSDS, or change the QSGDATA system parameter. Note that you cannot change the name of the queue-sharing group that a queue manager uses unless it has been shut down normally.

Problem Determination: The following registers in the dump contain helpful values:

- R0 = the queue-sharing group name recorded in the log
- R2 = the queue-sharing group name in the running queue manager

00C94506

Explanation: An internal error has just occurred.

An attempt to restart with a log from another queue manager was detected. The shared queue manager identifier recorded in the log during checkpoint does not match the shared queue manager identifier in the queue manager using that log. If the correct log is being used, the entry in the DB2 CSQ.ADMIN_B_QMGR table for this queue manager has been corrupted.

Message CSQI061E is issued before this error occurs.

System Action: Restart is terminated abnormally with completion code X'5C6' and reason code X'00C94506'.

System Programmer Response: Restart the queue manager using the correct logs and BSDS. If the correct logs are being used, correct the entry for the queue manager in the DB2 CSQ.ADMIN_B_QMGR table. If you cannot resolve the problem, contact your IBM Support Center for assistance.

Problem Determination: The following registers in the dump contain helpful values:

- R0 = the queue manager identifier recorded in the log
- R2 = the queue manager identifier in the running queue manager

00C94507

Explanation: An internal error has occurred during processing of Mark Skip Backout.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C94510

Explanation: A request was made to a Coupling Facility resource manager service within MQ. The Coupling Facility resource manager service returned an unexpected return code.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQSeries active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C94511

Explanation: An attempt to obtain storage for the data manager's use was unsuccessful. This indicates there could be a wider-ranging problem relating to storage availability.

System Action: The queue manager is terminated and a dump is produced.

System Programmer Response: Check that you are running with the recommended region size, and if not, reset your system and restart the queue manager. If this is not the cause, use the items listed in the Problem Determination section to diagnose the cause of the problem.

Problem Determination: Collect the following diagnostic items:

- Queue manager job log
- Information about any other storage-related problems
- System dump resulting from the error

00C94512

Explanation: A request was made to a DB2 resource manager service within MQ. The DB2 resource manager service returned an unexpected return code.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C94513

Explanation: A request was made to a Coupling Facility resource manager service within MQ. The Coupling Facility resource manager service returned an unexpected return code.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log

- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00C9451A

Explanation: A request was made to a DB2 resource manager service within MQ during restart. The DB2 resource manager service returned an unexpected return code related to a locked table condition.

System Action: The queue manager terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Restart the queue manager. If you started several queue managers at the same time, try restarting them one at a time to alleviate this condition.

If the problem persists, 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00C9FEEE

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

Chapter 30. Recovery log manager codes (X'D1')

If a recovery log manager reason code occurs that is not listed here, an internal error has occurred. Contact your IBM support center, as described for code 00D1nnnn at the end of this list.

00D10010

Explanation: The end log range value specified on an invocation of the log print utility (CSQ1LOGP) is less than or equal to the start range value.

System Action: No error is issued by log services, and no information is written to SYS1.LOGREC data set.

System Programmer Response: Correct the log range input control parameters specified in the invocation of the log print utility.

For more information about log services, refer to the *WebSphere MQ for z/OS System Administration Guide*.

00D10011

Explanation: An invocation of the log print utility (CSQ1LOGP) encountered a z/OS GETMAIN failure when attempting to obtain the storage required to perform the request.

System Action: No error is issued by log services, 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 job control language (JCL) for this invocation is too small. Increase the REGION size, and resubmit the log print request.

For more information about log services, refer to the *WebSphere MQ for z/OS System Administration 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.

System Action: No error is issued by log services, 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 *WebSphere MQ for z/OS System Administration 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.

System Action: No error is issued by log services, 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 *WebSphere MQ for z/OS System Administration 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 the utility control statements 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.

System Action: No error is issued by log services, and no information is written to SYS1.LOGREC data set.

System Programmer Response: Either:

- Continue to use the BSDS, but change the utility control statements 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 *WebSphere MQ for z/OS System Administration 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.

System Action: No error is issued by log services, 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 *WebSphere MQ for z/OS System Administration 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.

System Action: No error is issued by log services, 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 *WebSphere MQ for z/OS System Administration 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).

System Action: No error is issued by log services, 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 *WebSphere MQ for z/OS System Administration 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 job control language (JCL) used to invoke the utility. If a log data set was removed from the JCL, this condition will arise.

System Action: No error is issued by log services, and no information is written to SYS1.LOGREC data set.

System Programmer Response: If the log data set was not removed intentionally, check the 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 *WebSphere MQ for z/OS System Administration 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 in the utility control statements.

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 job control language (JCL) used to invoke the utility. If a log data set was removed from the JCL, this condition will arise.

System Action: No error is issued by log services, and no information is written to SYS1.LOGREC data set.

System Programmer Response: Check the JCL and the RBAEND value specified in the utility control statements.

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 *WebSphere MQ for z/OS System Administration 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 job control language (JCL) used to invoke the utility. If a log data set appears out of sequence, this condition will arise.

System Action: No error is issued by log services, and

no information is written to SYS1.LOGREC data set.

System Programmer Response: Check the 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 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 *WebSphere MQ for z/OS System Administration 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.

System Action: No error is issued by log services, 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 *WebSphere MQ for z/OS System Administration 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

System Action: No error is issued by log services, and no information is written to SYS1.LOGREC data set.

System Programmer Response: Check the utility control statements 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 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 JCL and utility control statements as

necessary, and resubmit the log print request.

For more information about log services, refer to the *WebSphere MQ for z/OS System Administration 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.

System Action: No error is issued by log services, 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 *WebSphere MQ for z/OS System Administration 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.

System Action: No error is issued by log services, 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 *WebSphere MQ for z/OS System Administration 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 a z/OS 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.

System Action: No error is issued by log services, 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 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 *WebSphere MQ for z/OS System Administration 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.

System Action: No error is issued by log services, 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 *WebSphere MQ for z/OS System Administration 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.

System Action: No error is issued by log services, 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 *WebSphere MQ for z/OS System Administration Guide*.

00D10030

Explanation: An invocation of the log print utility resulted in an internal error.

System Action: No error is issued by log services, 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 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 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 z/OS SVC 99) was unsuccessful.

This reason code, and the dynamic allocation information and error codes (S99INFO and S99ERROR) are issued with message CSQ1222E.

System Action: No error is issued by log services, 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 *WebSphere MQ for z/OS System Administration 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.

System Action: No error is issued by log services, 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 *WebSphere MQ for z/OS System Administration 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.

System Action: No error is issued by log services, 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 *WebSphere MQ for z/OS System Administration 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.

System Action: No error is issued by log services, 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 *WebSphere MQ for z/OS System Administration 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 job control language (JCL).

System Action: No error is issued by log services, and

no information is written to SYS1.LOGREC data set.

System Programmer Response: Examine the 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 *WebSphere MQ for z/OS System Administration 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 MQ. 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.

System Action: No error is issued by log services, 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 job control language (JCL) refer to active and archive logs correctly.

If the problem persists, collect the following items, and contact your IBM support center:

- A copy of the 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 *WebSphere MQ for z/OS System Administration 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.

System Action: No error is issued by log services, 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 MQ did not originally construct the log record header (LRH) properly
- The LRH for the log record segment was damaged after it was written by MQ

- The application program continued to process after being informed about a gap in the log RBA values (reason code X'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 the problem persists, collect the following items, and contact your IBM support center:

- A copy of the 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 *WebSphere MQ for z/OS System Administration 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.

System Action: No error is issued by log services, 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 MQ did not originally construct the log record header (LRH) properly
- The LRH for the log record segment was damaged after it was written by MQ
- The application program continued to process after being informed about a gap in the log RBA values (reason code X'00D10021')

Determine if the LRH of the log record segment is truly in error by looking at the record segments directly before and after the record segment in question.

Take the 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 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 *WebSphere MQ for z/OS System Administration Guide*.

00D10250

Explanation: An unrecoverable error occurred while updating either the BSDS or the z/OS catalog to reflect changes in active log data sets.

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The queue manager then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and SVC dump. Correct the error, and restart the queue manager.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 340. In addition, see the description of reason code X'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 MQ, see the *WebSphere MQ for z/OS Problem Determination Guide* for information on identifying and reporting the problem.

Examine the console log for a CSQJxxxx message preceding this error to determine whether the error was a BSDS error or a z/OS catalog update error.

You might find the following items useful in resolving the problem:

- Console output
- System dump resulting from the error
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10251

Explanation: An unrecoverable error occurred in the log buffer writer.

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The queue manager 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 340. In addition, see the description of reason code X'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 MQ, see the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10252

Explanation: This 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).

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 340. In addition, the following information is contained in the VRA of the SDWA:

- Reason code X'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 *WebSphere MQ for z/OS Problem Determination Guide*.

You might find the following items useful in resolving the problem:

- System dump resulting from the error
- 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 queue manager address space.

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 340.

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 queue manager address space to the caller's address space.

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 340.

You might find the following items useful in resolving the problem:

- 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.

System Action: This reason code can be issued by an active queue manager as the log buffers are scanned before they are written to the active log, or by the MQ 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 queue manager, 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 queue manager is terminated
- If the error was detected by CSQJW107, the queue manager is terminated

If this reason code is issued as the result of MQ log services GET processing, no error 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 queue manager, 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 340
- For information about dealing with problems on the log, see the *WebSphere MQ for z/OS System Administration 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 resulting from the error
- 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.

System Action: This reason code can be issued by an active queue manager as the log buffers are scanned before they are written to the active log, or by the MQ 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 queue manager, 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 queue manager is terminated
- If the error was detected by CSQJW107, the queue manager is terminated

If this reason code is issued as the result of MQ log services GET processing, no error 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 queue manager, obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: If the reason code is issued by an active queue manager:

- For information about the standard diagnostic information provided by this component, refer to “Recovery log manager diagnostic information” on page 340
- For information about dealing with problems on the log, see the *WebSphere MQ for z/OS System Administration 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 resulting from the error
- 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.

System Action: This reason code can be issued by an active queue manager as the log buffers are scanned before they are written to the active log, or by the MQ 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 queue manager, 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 queue manager is terminated
- If the error was detected by CSQJW107, the queue manager is terminated

If this reason code is issued as the result of MQ log services GET processing, no error 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 queue manager, obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: If the reason code is issued by an active queue manager:

- For information about the standard diagnostic information provided by this component, refer to “Recovery log manager diagnostic information” on page 340
- For information about dealing with problems on the log see the *WebSphere MQ for z/OS System Administration 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 resulting from the error
- 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.

System Action: This reason code can be issued by an active queue manager as the log buffers are scanned before they are written to the active log, or by the MQ 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 queue manager, 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 queue manager is terminated
- If the error was detected by CSQJW107, the queue manager is terminated

If this reason code is issued as the result of MQ log services GET processing, no error 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 queue manager, obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: If the reason code is issued by an active queue manager:

- For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 340
- For information about dealing with problems on the log, see the *WebSphere MQ for z/OS System Administration 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 resulting from the error
- 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.

System Action: This reason code can be issued by an active queue manager as the log buffers are scanned before they are written to the active log, or by the MQ 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 queue manager, 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 queue manager is terminated
- If the error was detected by CSQJW107, the queue manager is terminated

If this reason code is issued as the result of MQ log services GET processing, no error is issued, and no information is written to SYS1.LOGREC data set.

System Programmer Response: If the reason code is issued by an active queue manager, obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: If the reason code is issued by an active queue manager:

- For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 340
- For information about dealing with problems on the log, see the *WebSphere MQ for z/OS System Administration 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 resulting from the error
 - 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.

System Action: This reason code can be issued by an active queue manager as the log buffers are scanned before they are written to the active log, or by the MQ 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 queue manager, 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 queue manager is terminated
- If the error was detected by CSQJW107, the queue manager is terminated

If this reason code is issued as the result of MQ log services GET processing, no error is issued, and no information is written to SYS1.LOGREC data set.

System Programmer Response: If the reason code is issued by an active queue manager, obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: If the reason code is issued by an active queue manager:

- For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 340
- For information about dealing with problems on the log, see the *WebSphere MQ for z/OS System Administration 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 resulting from the error
- 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.

System Action: This reason code can be issued by an

active queue manager because the log buffers are scanned before they are written to the active log, or by the MQ 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 queue manager, 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 queue manager is terminated
- If the error was detected by CSQJW107, the queue manager is terminated

If this reason code is issued as the result of MQ log services GET processing, no error 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 queue manager, obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: If the reason code is issued by an active queue manager:

- For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 340
- For information about dealing with problems on the log, see the *WebSphere MQ for z/OS System Administration 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 resulting from the error
- 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.

System Action: This reason code can be issued by an active queue manager as the log buffers are scanned before they are written to the active log, or by the MQ 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 queue

manager, then 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 queue manager is terminated
- If the error was detected by CSQJW107, the queue manager is terminated

If this reason code is issued as the result of MQ log services GET processing, no error 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 queue manager, obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: If the reason code is issued by an active queue manager:

- For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 340
- For information about dealing with problems on the log, see the *WebSphere MQ for z/OS System Administration 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 resulting from the error
- 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 *WebSphere MQ for z/OS System Administration Guide* for information about dealing with problems on the log.

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The queue manager then terminates.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump. See the *WebSphere MQ for z/OS Problem Determination Guide* for information about using these for problem determination.

For information about the standard diagnostic

information provided by this component, refer to "Recovery log manager diagnostic information" on page 340.

You might find the following items useful in resolving the problem:

- Console output
- System dump resulting from the error
- 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.

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 *WebSphere MQ for z/OS Problem Determination Guide* for information about using these for problem determination, and the *WebSphere MQ for z/OS System Administration 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 340.

You might find the following items useful in resolving the problem:

- System dump resulting from the error
- 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.

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 *WebSphere MQ for z/OS Problem Determination Guide* for information about using these for problem determination, and the *WebSphere MQ for z/OS System Administration 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 340.

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.

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 *WebSphere MQ for z/OS Problem Determination Guide* for information about using these for problem determination, and the *WebSphere MQ for z/OS System Administration 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 340.

You might find the following items useful in resolving the problem:

- Console output
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D1032E

Explanation: A LOG READ completed unsuccessfully due to an internal error.

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 *WebSphere MQ for z/OS Problem Determination Guide* for information about using these 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 340. Collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump resulting from the error

00D10340

Explanation: An unsuccessful completion of a LOG READ has occurred. This reflects an internal recovery log manager (RLM) logic error.

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 errors during LOG READ processing. See the *WebSphere MQ for z/OS Problem Determination Guide* for information about using these for problem determination.

You might find the following items useful in resolving the problem:

- System dump resulting from the error
- Printout of SYS1.LOGREC
- Contents of the BSDS

If you cannot solve the problem, contact your IBM support center.

00D10345

Explanation: A LOG READ completed unsuccessfully because an error was received from a CATALOG LOCATE request for an archive log data set. The requested archive log data set might have been uncataloged or deleted.

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 *WebSphere MQ for z/OS Problem Determination Guide* for information about using these for problem determination.

For information about the standard diagnostic information provided by this component, refer to “Recovery log manager diagnostic information” on page 340.

00D10348

Explanation: The maximum retry count was exceeded while attempting to read a log RBA.

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 related errors.

Problem Determination: This problem might occur if the user has specified an archive or active log data set to the BSDS with an incorrect RBA range.

If you cannot solve the problem, contact your IBM support center.

00D10406

Explanation: The bootstrap data set access service received a request with an invalid function code.

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 *WebSphere MQ for z/OS Problem Determination Guide* for information about using these for problem determination.

If you cannot solve the problem, contact your IBM support center.

00D10410

Explanation: An unsuccessful completion of a READ BSDS RECORD has occurred. An error has been returned from VSAM.

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 340. 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 resulting from the error
- 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.

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 340. 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 resulting from the error
- 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.

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 340. 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 resulting from the error
- 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.

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 340. 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 resulting from the error
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10700

Explanation: An error completion code was returned by SETLOCK OBTAIN.

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 *WebSphere MQ*

for *z/OS Problem Determination Guide* for information about using these for problem determination.

For information about the standard diagnostic information provided by this component, refer to “Recovery log manager diagnostic information”. In addition, register 0 contains the return code from SETLOCK OBTAIN.

00D10701

Explanation: An error completion code was returned by SETLOCK RELEASE.

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 *WebSphere MQ for z/OS Problem Determination Guide* for information about using these for problem determination.

For information about the standard diagnostic information provided by this component, refer to

“Recovery log manager diagnostic information”. In addition, register 0 contains the return code from SETLOCK RELEASE.

00D1nnnn

Explanation: An internal error has occurred. ‘nnnn’ may be any value not listed explicitly above.

System Action: A diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested. The requesting execution unit 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”. Collect the following items, and contact your IBM support center:

- System dump resulting from the error
- Printout of SYS1.LOGREC

Recovery log manager diagnostic information

The recovery log manager (RLM) subcomponent of MQ 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 error

LEVEL

Change level

COMPONENT

Subcomponent identifier of recovery log manager

REGISTERS

General purpose registers (GPRs) 0 through 15 at time ofabend.

For information about the SDWA, refer to the *WebSphere MQ for z/OS Problem Determination Guide*.

Chapter 31. Lock manager codes (X'D3')

00D301F1

Explanation: An attempt to obtain storage was unsuccessful. This is probably because there is insufficient storage in your region.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Check that you are running in a region that is large enough. If not, reset your system and restart the queue manager. 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D301F2

Explanation: An attempt to obtain storage was unsuccessful. This is probably because there is insufficient storage in your region.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Check that you are running in a region that is large enough. If not, reset your system and restart the queue manager. 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D301F3

Explanation: An attempt to obtain storage was unsuccessful. This is probably because there is

insufficient storage in your region.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Check that you are running in a region that is large enough. If not, reset your system and restart the queue manager. 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D301F4

Explanation: An attempt to obtain storage was unsuccessful. This is probably because there is insufficient storage in your region.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Check that you are running in a region that is large enough. If not, reset your system and restart the queue manager. 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D301F5

Explanation: An attempt to obtain storage was unsuccessful. This is probably because there is insufficient storage in your region.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Check that you are running in a region that is large enough. If not, reset your system and restart the queue manager. 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D302F1

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D302F2

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D302F3

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D302F4

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D302F5

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D303F1

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D303F2

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D303F3

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D304F1

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D305F1

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D306F1

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

Chapter 32. Message manager codes (X'D4')

00D40001

Explanation: An internal error has occurred while processing a command.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40002

Explanation: An internal error has occurred while processing a command.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40003

Explanation: An internal error has occurred while processing a DEFINE QLOCAL, DEFINE QMODEL, ALTER QLOCAL, or ALTER QMODEL command.

System Action: The current execution unit terminates

with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40004

Explanation: An internal error has occurred while processing a DEFINE QALIAS or ALTER QALIAS command.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40007

Explanation: An internal error has occurred while processing a DEFINE QREMOTE or ALTER QREMOTE command.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40008

Explanation: An internal error has occurred while processing a DEFINE PROCESS or ALTER PROCESS command.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40009

Explanation: An internal error has occurred while processing a DEFINE QLOCAL, DEFINE QMODEL, ALTER QLOCAL, or ALTER QMODEL command.

System Action: The current execution unit terminates with an completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS

- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4000A

Explanation: An internal error has occurred while processing a command.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4000B

Explanation: An internal error has occurred while processing a DISPLAY QUEUE command.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4000C

Explanation: An internal error has occurred while processing a command.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4000D

Explanation: An internal error has occurred while attempting to establish a processing environment for the command processors.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4000E

Explanation: An internal error has occurred while attempting to establish a processing environment for the message manager.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error

- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4000F

Explanation: An internal error has occurred while processing a DEFINE NAMELIST or ALTER NAMELIST command.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40010

Explanation: An internal error has occurred while processing a command.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40011

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40012

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40013

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40014

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control 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).

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40016

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40017

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40018

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40019

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4001A

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4001B

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Details of the command being issued at the time of the failure
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4001C

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Details of the command being issued at the time of the failure
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4001D

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Details of the command being issued at the time of the failure.
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4001E

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Details of the command being issued at the time of the failure
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4001F

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Details of the command being issued at the time of the failure
- Queue manager job log
- System dump resulting from the error

- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40020

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Details of the command being issued at the time of the failure
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40021

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Details of the command being issued at the time of the failure
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40022

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Details of the command being issued at the time of the failure
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40023

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Details of the command being issued at the time of the failure
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40024

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40025

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40026

Explanation: An internal error has occurred while processing a DEFINE CHANNEL or ALTER CHANNEL command.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels

- ISPF panel name, if using the MQ Operations and Control panels

00D40027

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40028

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40029

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4002A

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4002B

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4002C

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4002D

Explanation: An attempt to write a message to a queue was unsuccessful because of an internal error (for example, a storage overwrite).

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4002E

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4002F

Explanation: An internal error has occurred while processing a channel command.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40030

Explanation: The report option requested in a message was not recognized.

System Action: The current execution unit terminates with completion 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.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40032

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40033

Explanation: An internal error has occurred while processing a STGCLASS command.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40034

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40035

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40036

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40037

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40038

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40039

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D4003B

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- Details of the QSG and of the queue managers active, as well as the queue managers defined to the QSG at the time of the error. This information can be obtained by entering the following z/OS commands:
D XCF,GRP

to display a list of all QSGs in the Coupling Facility.

D XCF,GRP,qsg-name,ALL

to display status about the queue managers defined to QSG qsg-name.

- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4003C

Explanation: An internal error has occurred while processing a DEFINE CFSTRUCT or ALTER CFSTRUCT command.

System Action: The current execution unit terminates

with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4003D

Explanation: An internal error has occurred while processing a DEFINE CFSTRUCT or ALTER CFSTRUCT or DELETE CFSTRUCT command.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4003E

Explanation: An internal error has occurred while processing an AUTHINFO command.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error

- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D4003F

Explanation: An internal error has occurred while processing a DEFINE MAXSMGS or ALTER QMGR command.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40040

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40042

Explanation: An internal processing error has occurred. The repository cannot locate an object that it has been asked to release.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40043

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40044

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40045

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40046

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40047

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40048

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40049

Explanation: An internal processing error has occurred while attempting to create the queue manager object during end restart processing.

System Action: The current execution unit terminates with completion 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 error.
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D40050

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6'. The IGQ agent then attempts to recover.

System Programmer Response: If the IGQ agent fails to recover properly, an attempt could be made to disable the SYSTEM.QSG.TRANSMIT.QUEUE to force the IGQ agent to enter retry, or if this fails, the IGQ agent task can be restarted by issuing an ALTER QMGR IGQ(ENABLED) command or by restarting the queue manager.

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 error, or if applicable, a listing of the application program being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40051

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40052

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40053

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program being run at the time of the error
- Information on any coupling facility activity at the time of the error
- System log from around the time of the error
- Queue manager job log
- System dump resulting from the error
- Dump of coupling facility list structure that the shared queue is defined to use
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D40054

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program being run at the time of the error.
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- Details of the QSG and of the queue managers active, as well as the queue managers defined to the QSG at the time of the error. This information can be obtained by entering the following z/OS commands:
D XCF,GRP

to display a list of all QSGs in the Coupling Facility.
D XCF,GRP,qsg-name,ALL

to display status about the queue managers defined to QSG qsg-name.

- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40055

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40056

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program being run at the time of the error

- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40060

Explanation: An internal error has occurred during shared channel recovery.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

The recovery process is terminated; some channels may have been recovered, while others have not. Any channels that were not recovered will be recovered when the recovery process next runs; alternatively, they can be restarted manually.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40062

Explanation: An internal error has occurred during shared channel recovery.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

The recovery process is terminated; some channels may have been recovered, while others have not. Any channels that were not recovered will be recovered when the recovery process next runs; alternatively, they can be restarted manually.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log

- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40064

Explanation: An internal error has occurred during shared channel recovery.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

The recovery process is terminated; some channels may have been recovered, while others have not. Any channels that were not recovered will be recovered when the recovery process next runs; alternatively, they can be restarted manually.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40065

Explanation: An internal error has occurred during shared channel recovery.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

The recovery process is terminated; some channels may have been recovered, while others have not. Any channels that were not recovered will be recovered when the recovery process next runs; alternatively, they can be restarted manually.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error

- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40066

Explanation: An internal error has occurred during shared channel recovery.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

The recovery process is terminated; some channels may have been recovered, while others have not. Any channels that were not recovered will be recovered when the recovery process next runs; alternatively, they can be restarted manually.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40068

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Restart the queue manager if necessary.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D40069

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program being run at the time of the error.
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- Details of the queue-sharing group (QSG) and of the queue managers active, as well as the queue managers defined to the QSG at the time of the error. This information can be obtained by entering the following z/OS commands:

D XCF,GRP

to display a list of all QSGs in the Coupling Facility.

D XCF,GRP,qsg-name,ALL

to display status about the queue managers defined to QSG qsg-name.

- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D401F1

Explanation: Whilst processing a get message request, the specified search type (message identifier or correl identifier) was found to be in error. This indicates a data corruption error.

System Action: The current execution unit terminates with completion 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 error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, CICS, and IMS service levels

00D44001

Explanation: This reason code is issued in message CSQM090E when a command has failed. This code indicates that an object of the specified name exists, but is of a different subtype; it might not necessarily have the same disposition in the queue-sharing group. This can only occur with subtypes of queues or channels. Message CSQM099I is also issued, indicating the object in error.

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 a command has failed. This code indicates that the object specified on the request could not be located. Message CSQM094I or message CSQM125I 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.

Severity: 8

System Action: For CSQM090E, the command is ignored. For CSQM086E, the queue manager fails to restart.

System Programmer Response: If you are using a queue-sharing group, check that DB2 is available. Define the object in question. For the queue manager, reissue the START QMGR command to restart the queue manager.

Note: An object of the same name and type, but of a different disposition, might already exist. 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 a 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.

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 a 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.

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 a 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 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.

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 a 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.

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 a 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.

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 a command has failed. This code indicates that the object specified on the request needs updating because the MQ version has changed, but that this cannot be done because the object is currently open. Message CSQM101I is also issued.

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 a command has failed, and is accompanied by message CSQM112E or message CSQM117E indicating the object in error. It is also issued in message CSQM086E during queue manager restart.

This code indicates that a request has been issued for an object, but the object information could not be accessed because of an error on page set zero.

Severity: 8

System Action: The command is ignored or the queue manager fails to restart.

System Programmer Response: Check for error messages on the console log that might relate to the problem. Verify that page set zero is set up correctly; refer to the *WebSphere MQ for z/OS System Administration Guide* for information about this.

00D4400A

Explanation: This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM113E indicating the object in error. It is also issued in message CSQM086E during queue manager restart. This code indicates that a request has been issued for an object, but page set zero is full.

Severity: 8

System Action: The command is ignored or the queue manager fails to restart.

System Programmer Response: Increase the size of page set zero. Refer to the *WebSphere MQ for z/OS System Administration Guide* for information about how to do this.

00D4400B

Explanation: This reason code is issued in message CSQM090E when a 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 524 287 for the total number of local queues that can exist. For shared queues, there is a limit of 512 queues in a single coupling facility structure, and 512 structures altogether.

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 a 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.

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 a 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.

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 a command has failed, and is accompanied by message CSQM112E or message CSQM117E indicating the object in error. It is also

issued in message CSQM086E during queue manager restart. This code indicates that a request has been issued for an object, but that a page set that it requires is not defined.

Severity: 8

System Action: The command is ignored or the queue manager 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 queue manager started task JCL procedure. Restart the queue manager.

00D4400F

Explanation: This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM112E or message CSQM117E indicating the object in error. It is also issued in message CSQM086E during queue manager restart. This code indicates that a request has been issued for an object, but that a page set that it requires is not open.

Severity: 8

System Action: The command is ignored or the queue manager 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 queue manager started task JCL procedure. Restart the queue manager.

00D44010

Explanation: This reason code is issued in message CSQM090E when a 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.

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 a command has failed, and is accompanied by message CSQM128E. This code indicates that a request was issued that required a message to be sent to a command queue, but the message could not be put.

Severity: 8

System Action: The command is ignored.

System Programmer Response: Resolve the problem with the command queue.

00D44013

Explanation: This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM160I indicating the object in error.

Severity: 8

System Action: The command is ignored.

System Programmer Response: See message CSQM160I for more information.

00D44014

Explanation: This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM161I.

Severity: 8

System Action: The command is ignored.

System Programmer Response: See message CSQM161I for more information.

00D44015

Explanation: This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM164I indicating the object in error.

Severity: 8

System Action: The command is ignored.

System Programmer Response: See message CSQM164I for more information.

00D44016

Explanation: This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM163I indicating the object in error.

Severity: 8

System Action: The command stops processing.

System Programmer Response: See message CSQM163I for more information.

00D44017

Explanation: This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM112E or message CSQM117E indicating the object in error. It is also issued in message CSQM086E during queue manager restart.

This code indicates that a request has been issued for an object, but the object information could not be accessed because coupling facility structure has failed.

Severity: 8

System Action: The command is ignored or the queue manager fails to restart.

System Programmer Response: Check for error messages on the console log that might relate to the problem. Use the RECOVER CFSTRUCT command to recover the coupling facility structure.

00D44018

Explanation: This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM112E or message CSQM117E indicating the object in error. It is also issued in message CSQM086E during queue manager restart.

This code indicates that a request has been issued for an object, but the object information could not be accessed because there is an error or inconsistency in the coupling facility information.

Severity: 8

System Action: The command is ignored or the queue manager fails to restart.

System Programmer Response: Check for error messages on the console log that might relate to the problem. Check that DB2 is available. If the problem persists, it may be necessary to restart the queue manager.

00D44019

Explanation: This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM112E or message CSQM117E indicating the object in error. It is also issued in message CSQM086E during queue manager restart.

This code indicates that a request has been issued for an object, but the object information could not be accessed because DB2 is not available.

Severity: 8

System Action: The command is ignored or the queue manager fails to restart.

System Programmer Response: Check for error messages on the console log that might relate to the problem. Check that DB2 is available.

00D4F001

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

Chapter 33. 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.

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. Queue manager 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 restart the queue manager. 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 preprocessor ended abnormally while processing a command in the initialization input data set.

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. The next command is processed.

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.

System Action: Message CSQN104I is sent to the z/OS 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:

- Console log; Queue manager job 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.

System Action: Message CSQN104I is sent to the z/OS console, indicating the return and reason codes from the internal macro. The command server stops, without processing any commands.

System Programmer Response: Stop and restart the queue manager.

Collect the following items, and contact your IBM support center:

- Console log; Queue manager job log
- Return and reason codes from message CSQN104I
- Any trace information collected
- Printout of SYS1.LOGREC

00D50105

Explanation: An internal error has occurred.

System Action: The command server terminates, and a dump is produced.

System Programmer Response: Stop and restart the queue manager.

Collect the following items and contact your IBM support center:

- Console log; Queue manager job log
- Input data set 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.

System Action: Message CSQN202I is sent to the z/OS 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 restart the queue manager. If this is not the cause of the problem, collect the following items, and contact your IBM support center:

- Console log; Queue manager job log
- Return and reason codes from message CSQN202I
- Any trace information collected

00D50202

Explanation: An internal error has occurred.

System Action: Message CSQN202I is sent to the z/OS 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:

- Console log; Queue manager job 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.

System Action: Message CSQN202I is sent to the z/OS console, indicating the return code from the internal macro. The command server stops, without processing any commands.

System Programmer Response: Issue the START CMDSERV command to restart the command server.

Collect the following items, and contact your IBM support center:

- Console log; Queue manager job 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.

System Action: Message CSQN202I is sent to the z/OS console, indicating the return code from the internal 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 restart the queue manager. If this is not the cause of the problem, 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 preprocessor ended abnormally while processing a command from the command server.

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.

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

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: Issue the START CMDSERV command to restart the command server.

Collect the following items, and contact your IBM support center:

- Information from messages produced
- System dump
- Any trace data collected
- Printout of SYS1.LOGREC

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.

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.

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.

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.

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 32 762 characters long.

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: Issue the START CMDSERV command to restart the command server.

Collect the following items and contact your IBM support center:

- A description of the action(s) that led to the error and details of the commands being issued at the time of the failure
- Queue manager job log
- System dump resulting from the error

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.

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*.

Chapter 34. 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.

System Action: The queue manager 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 restart the queue manager. 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 queue manager being restarted does not match the name recorded in a prior checkpoint log record.

System Action: The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced. This is preceded by message CSQP006I.

System Programmer Response: Change the started task JCL procedure xxxxMSTR for the queue manager to name the appropriate bootstrap and log data sets.

Problem Determination: Register 0 contains the name found in the log record. Register 2 contains the name of the queue manager being restarted. The print log utility, CSQ1LOGP, can be used to view checkpoint records.

You might also find the MQ 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.

System Action: The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

System Programmer Response: Restart the queue manager.

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.

System Action: The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

System Programmer Response: Restart the queue manager.

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.

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 queue manager 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.

System Action: The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

System Programmer Response: Restart the queue manager.

Problem Determination: Retain the system dump and the MQ active log data set, and contact your IBM support center.

00D70108

Explanation: An attempt to obtain storage for the buffer pool was unsuccessful.

System Action: The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

System Programmer Response: Provide sufficient

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.

System Action: The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

System Programmer Response: Provide sufficient 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: A critical process could not be started during queue manager initialization. This could be because there is insufficient storage in your region.

System Action: The queue manager 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 restart the queue manager. 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 completion code and the reason code and contact your IBM support center.

00D70113

Explanation: A critical process could not be started during queue manager initialization. This could be because there is insufficient storage in your region.

System Action: The queue manager 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 restart the queue manager. 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 completion code and the reason code and contact your IBM support center.

00D70114

Explanation: An internal cross-component consistency check failed.

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 completion code and the reason code, collect the MQ active log data set, and contact your IBM support center.

00D70116

Explanation: An I/O error has occurred.

System Action: An entry is written to SYS1.LOGREC, and a dump is produced. In some circumstances, the queue manager will terminate. (This depends on the nature of the error, and the page set on which the error occurred.)

System Programmer Response: Restart the queue manager if necessary.

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 MQ active log data set a useful source of problem determination material.

00D70117

Explanation: An internal error has occurred while the queue manager was terminating.

System Action: The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

System Programmer Response: Restart the queue manager.

Problem Determination: Retain the dump and a copy of the MQ 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)

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Restart the queue manager, and if the problem persists 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 error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

00D70122

Explanation: An unrecoverable error has occurred during check point.

System Action: The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

System Programmer Response: Restart the queue manager.

Problem Determination: Register 0 contains the reason code for the error. Note the completion code and the reason code, collect the MQ active log data set, and contact your IBM support center.

00D70133

Explanation: An internal consistency check failed.

System Action: The request is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

Problem Determination: Note the completion code and the reason code, collect the MQ active log data set, and contact your IBM support center.

Chapter 35. 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. 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 diagnostic information is provided. The error is recorded in SYS1.LOGREC, an SVC dump is scheduled, and queue manager termination is requested. The termination reason code reflects the function for which retry was unsuccessfully attempted.

Operator Response: Print SYS1.LOGREC, and restart the queue manager.

System Programmer Response: This is a secondary 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 MQ error.

System Action: The recovery manager has no functional recovery routine (FRR) in place when this error occurs. It relies on its invoker, the facility startup function, to perform SYS1.LOGREC recording and to request a dump. The queue manager terminates with a X'00E80100' reason code.

System Programmer Response: The queue manager 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 *WebSphere MQ*

for *z/OS System Administration Guide* to recover it from the valid BSDS.

If you are running in a single BSDS environment, refer to the *WebSphere MQ for z/OS System Administration Guide*, which describes the procedures needed to recover your BSDS from an archived BSDS.

00D92001

Explanation: The checkpoint/restart serial controller FRR invoked queue manager termination, because an unrecoverable error was detected while processing a request.

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Queue manager termination is initiated. Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the associated error.

Operator Response: Print SYS1.LOGREC, and restart the queue manager.

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 queue manager termination, because an unrecoverable error was detected while processing a restart request.

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

Operator Response: Print SYS1.LOGREC, and restart the queue manager.

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 queue manager termination, because an unrecoverable error was detected while processing a shutdown checkpoint request.

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

Operator Response: Print SYS1.LOGREC, and restart the queue manager.

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.

System Action: The checkpoint process will end abnormally to prevent a damaged URE from being written out to the log, and the queue manager will be terminated. This is to prevent the loss or incorrect processing of an MQ unit of recovery (UR). Restart will use the previous checkpoint and apply all the MQ log records up to the point of the problem. Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is scheduled.

Operator Response: Restart the queue manager.

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.

System Action: The checkpoint process will end abnormally to prevent a damaged RURE from being written out to the log, and the queue manager will be terminated. This is to prevent the loss or incorrect processing of an MQ unit of recovery. Restart will use the previous checkpoint and apply all the MQ log records up to the point of the problem. Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is scheduled.

Operator Response: Restart the queue manager.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output

- SVC dump
 - Printout of SYS1.LOGREC
-

00D92021

Explanation:

System Action: The restart processing will end abnormally, which will terminate the queue manager. This is to prevent the loss or incorrect processing of an MQ unit of recovery.

Operator Response: Do not attempt to restart the queue manager 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 the queue manager 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 the queue manager

See the *WebSphere MQ for z/OS System Administration Guide* for information about restarting the queue manager 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.

System Action: The restart processing will end abnormally, which will terminate the queue manager. This is to prevent the loss or incorrect processing of an MQ unit of recovery.

Operator Response: Do not attempt to restart the queue manager 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 the queue manager 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 the queue manager.

See the *WebSphere MQ for z/OS System Administration Guide* for information about restarting the queue manager 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 queue manager termination, because an unrecoverable error was detected during 'must-complete' processing for phase 2 of a commit-UR request.

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

Operator Response: Restart the queue manager.

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 MQ 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.

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 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 X'00D9CCCC', is added to the VRA. For information about the VRA, see the *WebSphere MQ for z/OS Problem Determination Guide*.

If the agent was in a 'must-complete' state (in-commit2 or in-backout), the queue manager is also terminated with reason code X'00D93001'. When the queue manager 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 MQ 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 MQ 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.

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 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 X'00D9CCCC', is added to the SDWA VRA. See the *WebSphere MQ for z/OS Problem Determination Guide* for more information about the VRA.

System Programmer Response: This is an MQ 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 MQ 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 MQ allied agent has not updated any MQ resource since its last commit processing occurred.

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 MQ.

00D94001

Explanation: The commit/backout FRR invoked queue manager termination, because an unrecoverable error was detected during 'must-complete' processing for a backout-UR request.

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

Operator Response: Restart the queue manager.

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 MQ 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.

System Action: Abnormal termination of the agent results and, because the agent is in a 'must-complete' state, the queue manager is terminated with reason code X'00D94001'. When the queue manager is restarted, recoverable activity for this agent is handled to complete the commit or backout process.

Standard 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 X'00D9AAAA', is added to the SDWA VRA. See the *WebSphere MQ for z/OS Problem Determination Guide* for more information about the VRA.

System Programmer Response: This is an MQ 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 error is accompanied by an abnormal termination with reason code X'00D94001'.

This could be because the queue manager has been started with a system parameter load module that specifies OFFLOAD=NO rather than OFFLOAD=YES.

System Action: The agent is abnormally terminated with completion code X'5C6'. Because the agent is in a must-complete state, the queue manager is terminated with reason code X'00D94001' and message CSQV086E.

Standard 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 BSDS
2. Print SYS1.LOGREC
3. Use the z/OS command DISPLAY DUMP 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 the queue manager in the *WebSphere MQ for z/OS System Administration Guide* before restarting.

Problem Determination: At the time of the error, registers 3 and 4 contain the 6-byte relative byte address (RBA) of the beginning of this unit of recovery. MQ must read the log back to this point to complete the backout of this unit of recovery.

To restart the queue manager, you must add the missing archive log data sets 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, the queue manager 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 queue manager termination, because an unrecoverable error was detected during checkpoint processing.

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

Operator Response: Restart the queue manager.

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 queue manager termination, because an unrecoverable error was detected while performing its checkpoint functions.

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

Operator Response: Restart the queue manager.

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 queue manager termination, because an unrecoverable error was detected during the restart processor processing.

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

Operator Response: Restart the queue manager.

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 queue manager termination, because an unrecoverable error was detected while processing log records during restart.

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

Operator Response: Restart the queue manager 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 queue manager 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 error 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 a queue manager termination reason code. For

further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager 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 z/OS 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 the queue manager. If you cannot correct the error, contact your IBM support center.

00D96022

Explanation: The restart FRR invoked abnormal termination, 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 an abnormal termination with the same reason code (X'00D96022').

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the error before queue manager 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 z/OS 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 error, 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 queue manager termination, because an error occurred while attempting to read the log backward MODE(DIRECT). It is accompanied by a recovery log manager error

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 a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager 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 z/OS command DISPLAY DUMP,TITLE to get the reason code for the error from the dump titles.
3. Restart the queue manager.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the accompanying error reason code.

00D96032

Explanation: During restart, the end of the log was read before all the expected log ranges had been processed. The error is accompanied by an abnormal termination with the same reason code (X'00D96032').

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC. An SVC dump is requested. The queue manager is terminated with message CSQV086E.

Operator Response:

1. Run the print log map utility to print the contents of both BSDSs.
2. Use the z/OS 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 *WebSphere MQ for z/OS System Administration Guide* before restarting.

Problem Determination: At the time of the error, 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.

System Action: The RECOVER-UR function is completed. Abnormal termination of the requesting agent occurs. Standard 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 queue manager).

00D97011

Explanation: The queue manager was terminated during RECOVER-UR because an unrecoverable error was detected during RECOVER-UR (CSQRRUPR) recovery processing.

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested. queue manager terminates with message CSQV086E and return code X'00D97011'.

System Programmer Response: Determine the original error. If the error is log-related, see the *WebSphere MQ for z/OS System Administration Guide* before restarting the queue manager.

Problem Determination: See the original error.

00D97012

Explanation: The RECOVER-UR request servicer FRR invoked queue manager termination, because an unrecoverable error was detected while attempting to recover a unit of recovery.

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

Operator Response: Restart the queue manager.

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 queue manager termination, because an error occurred while attempting to read the log MODE(DIRECT) during forward processing. It is accompanied by a recovery log manager error 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 a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager 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 z/OS command DISPLAY DUMP,TITLE to get the reason code for the error from the dump titles.
3. Restart the queue manager.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the accompanying error reason code.

00D97022

Explanation: The RECOVER-UR invoked abnormal termination because end-of-log was reached before all ranges had been processed for forward recovery. This error is accompanied by an abnormal termination with the same reason code (X'00D97022').

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager 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 z/OS command DISPLAY DUMP,TITLE to get the reason code for the error from the dump titles.
3. Restart the queue manager.

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 error, 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 queue manager 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 error 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 a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager 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 z/OS command DISPLAY DUMP,TITLE to get the reason code for the error from the dump titles.
3. Restart the queue manager.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See recovery log manager error reason code.

00D97032

Explanation: The RECOVER-UR invoked abnormal termination because end-of-log was reached before all ranges had been processed for backward recovery. This error is accompanied by an abnormal termination with the same reason code (X'00D97032').

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager 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 z/OS command `DISPLAY DUMP,TITLE` to get the reason code for the error from the dump titles.
3. Restart the queue manager.

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 error, 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 queue manager termination, because an unrecoverable error was detected during indoubt-UR processing.

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

Operator Response: Restart the queue manager.

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 queue manager termination, because an unrecoverable error was detected processing a request.

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

Operator Response: Restart the queue manager.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the accompanying error reason code.

00D98021

Explanation: The resolved indoubt FRR invoked queue manager termination because of an error while attempting to read the log MODE(DIRECT) during forward recovery. It is accompanied by a recovery log manager error 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 a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager 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 z/OS command `DISPLAY DUMP,TITLE` to get the reason code for the error from the dump titles.
3. Restart the queue manager.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the accompanying error reason code.

00D98022

Explanation: Resolved indoubt invoked abnormal termination when end-of-log was reached before all ranges had been processed for forward recovery. This error is accompanied by abnormal termination with the same reason code (X'00D98022').

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager 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 z/OS command `DISPLAY DUMP,TITLE` to get the reason code for the error from the dump titles.
3. Restart the queue manager.

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 error, 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 queue manager 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 error 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 a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager 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 z/OS command DISPLAY DUMP,TITLE to get the reason code for the error from the dump titles.
3. Restart the queue manager.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the accompanying error reason code.

00D98032

Explanation: The resolved indoubt FRR invoked abnormal termination when end-of-log was reached before all ranges had been processed for backward recovery. This error is accompanied by abnormal termination with the same reason code (X'00D98032').

This is a queue manager termination reason code. For further information, see the *WebSphere MQ for z/OS Problem Determination Guide*.

System Action: Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager 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 z/OS command DISPLAY DUMP,TITLE to get the reason code for the error from the dump titles.
3. Restart the queue manager.

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 error, 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.

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 *WebSphere MQ for z/OS 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.

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 *WebSphere MQ for z/OS 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.

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 *WebSphere MQ for z/OS 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.

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 *WebSphere MQ for z/OS Problem Determination Guide*.

Chapter 36. Storage manager codes (X'E2')

00E20001

Explanation: An internal error has occurred.

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: At offset X'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 *WebSphere MQ for z/OS 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.

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: At offset X'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 *WebSphere MQ for z/OS 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 request for storage indicated that sufficient storage in the private area was not available.

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 X'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 *WebSphere MQ for z/OS 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 request for storage indicated that sufficient storage was not available because of pool size limits.

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 X'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 *WebSphere MQ for z/OS 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.

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: At offset X'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 *WebSphere MQ for z/OS 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.

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: At offset X'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 *WebSphere MQ for z/OS 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.

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.

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.

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: At offset X'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 *WebSphere MQ for z/OS 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.

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 *WebSphere MQ for z/OS 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.

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 *WebSphere MQ for z/OS Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: Register 2 contains the primary ASID. At offset X'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 request for storage indicated that sufficient storage was not available because of pool size limits.

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 X'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 *WebSphere MQ for z/OS 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.

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 MQ could cause the storage overlay problem.

At offset X'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 *WebSphere MQ for z/OS 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.

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 MQ could cause the storage overlay problem.

At offset X'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 *WebSphere MQ for z/OS 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.

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: At offset X'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 *WebSphere MQ for z/OS 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.

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.

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.

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.

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 *WebSphere MQ for z/OS 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.

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: A request for storage indicated that 8K bytes of private area storage in subpool 229 was not available.

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 *WebSphere MQ for z/OS 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
- Printout of SYS1.LOGREC

00E20016

Explanation: A request for storage indicated that sufficient storage in subpool 229 was not available.

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 *WebSphere MQ for z/OS 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.

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 *WebSphere MQ for z/OS 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.

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.

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 z/OS ESTAE.

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 z/OS ESTAE. (See the *WebSphere MQ for z/OS 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.

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

00E2001D

Explanation: An internal error has occurred.

System Action: The queue manager is abnormally terminated.

System Programmer Response: Restart the queue manager.

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.

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 request for storage.

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 X'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 *WebSphere MQ for z/OS 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 request for storage.

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 *WebSphere MQ for z/OS 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 request for storage.

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 request for storage.

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 X'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 *WebSphere MQ for z/OS 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 request for storage.

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 *WebSphere MQ for z/OS 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 request for storage.

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 request for storage.

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: A request for storage indicated that 4K bytes of private area storage in subpool 229 was not available.

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: 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 *WebSphere MQ for z/OS 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.

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: At offset X'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 *WebSphere MQ for z/OS 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.

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.

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: At offset X'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 *WebSphere MQ for z/OS 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.

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 reason code code is used to force percolation when an error is encountered while in storage manager code and the storage manager has been called recursively.

Problem Determination: Refer to the originating error code.

Chapter 37. Timer services codes (X'E3')

00E30001

Explanation: An internal error has occurred.

System Programmer Response: Collect the system dump, any trace information gathered and the related SYS1.LOGREC entries, and contact your IBM support center.

00E30002

Explanation: This reason code was issued because an attempt to call the z/OS macro STIMERM was unsuccessful. The return code from STIMERM is in register 9.

System Programmer Response: Analyze the system dump, correct the problem from the information contained in the dump, and restart the queue manager. For information about analyzing dumps, see the *WebSphere MQ for z/OS Problem Determination Guide*.

For information about the STIMERM macro, see the *MVS Programming: Assembler Services Reference* manual.

Chapter 38. Agent services codes (X'E5')

00E50001

Explanation: An internal error has occurred.

System Action: The requesting execution unit is ended abnormally.

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.

System Action: The requesting execution unit is ended abnormally.

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.

System Action: The current execution unit is ended abnormally. 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

00E50005

Explanation: An internal error has occurred.

System Action: The requesting execution unit is ended abnormally. 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

00E50006

Explanation: An internal error has occurred.

System Action: The requesting execution unit is ended abnormally. 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

00E50007

Explanation: An internal error has occurred.

System Action: The requesting execution unit is ended abnormally. 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

00E50008

Explanation: An internal error has occurred.

System Action: The requesting execution unit is ended abnormally. 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

00E50009

Explanation: An internal error has occurred.

System Action: The requesting execution unit is ended abnormally. 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

00E50012

Explanation: An internal error has occurred.

System Action: The requesting task is ended abnormally. An entry is created in 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

00E50013

Explanation: An MQ execution unit has been ended abnormally.

System Action: The agent CANCEL processing continues.

System Programmer Response: This reason code might be issued as a result of any abnormal termination of a connected task, or a STOP QMGR MODE(FORCE) command. No further action is required.

Problem Determination: The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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.

System Action: An entry is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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.

System Action: The operation is retried once. If this is not successful, the queue manager is terminated with reason code X'00E50054'.

A SYS1.LOGREC entry and an SVC dump are taken.

System Programmer Response: The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS Problem Determination Guide* for information about using dumps for problem determination.

Restart the queue manager if necessary.

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 MQ tasking structure ends abnormally with this reason code following the detection of a load module which was loaded without the 31-bit addressing capability. This is preceded by message CSQV029E.

System Action: Queue manager start-up is terminated.

System Programmer Response: See message CSQV029E.

Problem Determination: See message CSQV029E.

00E50030

Explanation: An internal error has occurred.

System Action: The requesting execution unit is ended abnormally. 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.

System Action: The requesting execution unit is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the module 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.

System Action: The requesting execution unit is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the module 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.

System Action: The requesting execution unit is ended abnormally. 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.

System Action: The requesting execution unit is ended abnormally. 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: Queue manager termination was invoked following an unrecoverable error while processing a terminate allied agent request at the *thread*, or *identify* level.

System Action: The queue manager is terminated.

System Programmer Response: Restart the queue manager.

Scan the system log and the contents of SYS1.LOGREC for MQ errors occurring immediately before the system termination message CSQV086E. Follow the problem determination procedures for the specific errors. See the *WebSphere MQ for z/OS 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: Queue manager termination was invoked following an unrecoverable error while processing a terminate agent request.

System Action: The queue manager is terminated.

System Programmer Response: Restart the queue manager.

Scan the system log and the contents of SYS1.LOGREC for MQ errors occurring immediately before the system termination message CSQV086E. Follow the problem determination procedures for the specific errors. 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.

System Action: The current execution unit is ended abnormally. 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

00E50044

Explanation: An internal error has occurred.

System Action: The requesting execution unit is ended abnormally. The error is recorded on SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the module 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: Queue manager termination was invoked following an unrecoverable error while processing a create allied agent service request at the *thread*, or *identify* level.

System Action: The queue manager is terminated.

System Programmer Response: Restart the queue manager.

Scan the system log and the contents of SYS1.LOGREC for MQ errors occurring immediately before the

termination message CSQV086E. Follow the problem determination procedures for the specific errors. 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: Queue manager termination was invoked following an unrecoverable error while processing a create agent structure request.

System Action: The queue manager is terminated.

System Programmer Response: Restart the queue manager.

Scan the system log and the contents of SYS1.LOGREC for MQ errors occurring immediately before the system termination message CSQV086E. Follow the problem determination procedures for the specific errors. 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.

System Action: The queue manager is terminated.

System Programmer Response: Restart the queue manager.

Scan the system log and the contents of SYS1.LOGREC for MQ errors occurring immediately before the system termination message CSQV086E. Follow the problem determination procedures for the specific errors. 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.

System Action: The requesting execution unit is ended abnormally.

An X'00E50054' recovery reason code is placed in the SDWACOMU field of the SDWA, indicating that synchronization services was responsible for queue manager termination.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 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.

System Action: The queue manager is ended abnormally with a X'5C6' completion code and this reason code.

An X'00E50054' recovery reason code is placed in the SDWACOMU field of the SDWA indicating that synchronization services was responsible for queue manager termination.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 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 z/OS cross-memory lock (CML) could not be released.

System Action: The queue manager is ended abnormally with a X'5C6' completion code and this reason code.

An X'00E50054' recovery reason code is placed in the SDWACOMU field of the SDWA indicating that synchronization services was responsible for queue manager termination.

A record is written to SYS1.LOGREC and an SVC dump is produced.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 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 queue manager is ended abnormally 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 queue manager termination reason code.

System Action: The queue manager is terminated. This reason code is associated with a X'6C6' completion code indicating that synchronization services was responsible for termination.

System Programmer Response: Restart the queue manager.

See the *WebSphere MQ for z/OS Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: Scan the system log and the contents of SYS1.LOGREC for MQ errors occurring immediately before the system termination message CSQV086E. Follow the problem determination procedures for the specific errors.

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 queue manager address space either during mainline processing or during functional recovery processing (for example, reason code X'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.

System Action: Because the suspended TCB mode execution unit must not be permitted to remain in a suspended state, the recovery routine invokes the z/OS CALLRTM (TYPE=ABTERM) service to end the execution unit abnormally with a X'6C6' completion code. Depending upon which execution unit was terminated, the queue manager might be ended abnormally.

System Programmer Response: Restart the queue manager if necessary.

See the *WebSphere MQ for z/OS Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: Scan the system log and the contents of SYS1.LOGREC for MQ errors occurring immediately before the end of the execution unit. Follow the problem determination procedures for the specific errors.

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.

System Action: If the module detecting the error is CSQVSDC0, it will be retried once. If validation is unsuccessful, the queue manager is terminated abnormally with a X'00E50054' reason code.

A SYS1.LOGREC entry and an SVC dump are requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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.

System Action: The allied task is ended abnormally.

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.

System Action: The task is ended abnormally.

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.

System Action: The execution unit is ended abnormally.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50069

Explanation: This reason code is issued during recovery processing for the suspend function when executing in SRB mode under the recovery routine established by the z/OS 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 error has successfully completed, the RTM environment is exited through retry to a routine that restores the original FRR stack. This routine terminates abnormally with completion code X'5C6' and this reason code. This causes entry into the original recovery routine established during suspend initialization.

System Action: After this is intercepted by the original suspend recovery routine, a SYS1.LOGREC entry and 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 *WebSphere MQ for z/OS Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: Because this 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 reason code. Diagnostic information for the initial error encountered 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 ended abnormally. This is not necessarily an error.

System Action: The task is ended abnormally.

System Programmer Response: The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: If the service task is ended abnormally with a completion code of X'6C6', no SVC dump is taken.

The error 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.

System Action: The internal task is ended abnormally. The recovery routine for the module issuing this reason code records information in the variable recording area (VRA).

System Programmer Response: See the *WebSphere MQ for z/OS 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.

System Action: The queue manager is ended abnormally. The recovery routine for the module issuing this reason code records information in the variable recording area (VRA).

System Programmer Response: Restart the queue manager.

See the *WebSphere MQ for z/OS 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.

System Action: The current execution unit is ended abnormally. 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 reason code is issued in response to a nonzero return code from ATTACH during an attempt to create an internal task.

System Action: The ATTACH is retried. A record is written to SYS1.LOGREC, and an SVC dump is requested. If a problem occurs again, the queue manager is terminated.

System Programmer Response: Restart the queue manager if necessary.

See the *WebSphere MQ for z/OS 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.

System Action: The requester is ended abnormally. 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.

System Action: The requester is ended abnormally. 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

00E50077

Explanation: An internal error has occurred.

System Action: The requesting execution unit is ended abnormally. 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.

System Action: The requesting execution unit is terminated. The queue manager might also be terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager if necessary.

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.

System Action: The requesting execution unit is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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.

System Action: An SVC dump is requested specifying a completion code of X'5C6' and this reason code. No record is written to SYS1.LOGREC. Execution continues.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump

00E50081

Explanation: An internal error has occurred.

System Action: An SVC dump is requested specifying a completion code of X'5C6' and this reason code. No record is written to SYS1.LOGREC. Execution continues.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump

00E50094

Explanation: An internal error has occurred.

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 *WebSphere MQ for z/OS 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.

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 *WebSphere MQ for z/OS 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.

System Action: The requesting execution unit is ended abnormally. 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.

System Action: The requesting execution unit is ended abnormally. 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.

System Action: The requesting recovery routine is ended abnormally. 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: MQ was unable to establish an ESTAE.

System Action: The error is passed on to a subsystem support subcomponent (SSS) ESTAE. Probably, the queue manager is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

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 queue manager address space.

Restart the queue manager.

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 queue manager termination reason code.

System Action: The queue manager is ended abnormally. A record is written to SYS1.LOGREC.

System Programmer Response: Restart the queue manager.

See the *WebSphere MQ for z/OS Problem Determination Guide* for information about problem determination procedures.

Problem Determination: Review the SYS1.LOGREC entries for errors immediately preceding queue manager termination.

You might find the following items useful in resolving the problem:

- Console output
- Printout of SYS1.LOGREC

00E50500

Explanation: A z/OS LOCAL or CML lock could not be obtained during queue manager abnormal termination processing.

System Action: The execution unit is ended abnormally. The error is recorded on SYS1.LOGREC, and abnormal queue manager termination is completed under a different execution unit if possible.

System Programmer Response: Restart the queue manager if necessary.

See the *WebSphere MQ for z/OS 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 X'00E50504' is placed in the SDWA variable recording area (VRA). The VRA data contains information about the status of queue manager 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: A z/OS LOCAL or CML lock could not be released during queue manager abnormal termination processing.

System Action: The execution unit is ended abnormally. The error is recorded on SYS1.LOGREC. Queue manager termination is completed under a different execution unit if possible.

System Programmer Response: Restart the queue manager.

See the *WebSphere MQ for z/OS 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 X'00E50504' is placed in the SDWA variable recording area (VRA). The VRA data contains information about the status of queue manager 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: A z/OS LOCAL lock could not be obtained during queue manager abnormal termination processing.

System Action: The execution unit is ended abnormally. The error is recorded on SYS1.LOGREC, and abnormal queue manager termination is completed under a different execution unit if possible.

System Programmer Response: Restart the queue manager.

See the *WebSphere MQ for z/OS 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 X'00E50502' is placed in the SDWA variable recording area (VRA). The VRA data contains information about the status of the queue manager 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: A z/OS LOCAL lock could not be released during queue manager abnormal termination processing.

System Action: The execution unit is ended abnormally. The error is recorded on SYS1.LOGREC, and abnormal queue manager termination is completed under a different execution unit if possible.

System Programmer Response: Restart the queue manager.

See the *WebSphere MQ for z/OS 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 X'00E50503' is placed in the SDWA variable recording area (VRA). The VRA data contains information about the status of the queue manager 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 queue manager termination processor. The code identifies additional information provided in the VRA for errors encountered in module CSQVATRM.

System Action: Recording of the error encountered during queue manager termination continues.

System Programmer Response: See the *WebSphere MQ for z/OS 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 errors encountered in module CSQVATR4.

System Action: Recording of the error encountered

during queue manager termination continues.

System Programmer Response: See the *WebSphere MQ for z/OS 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 is used to effect backout, deallocation, and end-UR processing.

System Action: The queue manager is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS Problem Determination Guide* for information about problem determination procedures, dump analysis, and the VRA.

Problem Determination: Standard diagnostic information can be obtained through SYS1.LOGREC and SVC dump materials generated at the time of the error.

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).

System Action: The queue manager is ended abnormally with this reason code. An SVC dump of the original error was requested by the recovery routine for CSQVEUS2 and a record written to SYS1.LOGREC.

System Programmer Response: Restart the queue manager.

Scan the SYS1.LOGREC entries looking for one or more MQ errors immediately prior to the queue manager termination. See the *WebSphere MQ for z/OS Problem Determination Guide* for information about problem determination procedures.

00E50703

Explanation: This queue manager termination reason code is used following an error while attempting to resume a suspended execution unit. The successful completion of resume processing was 'indoubt'.

System Action: The queue manager is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

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 MQ errors occurring immediately prior to the queue manager termination. See the *WebSphere MQ for z/OS 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.

System Action: The queue manager is terminated with this reason code. Additionally, if no SDWA was provided to the recovery routine, a dump is requested.

System Programmer Response: Restart the queue manager.

Scan the SYS1.LOGREC entries looking for one or more MQ errors immediately prior to the queue manager termination. See the *WebSphere MQ for z/OS 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.

System Action: The queue manager is ended abnormally.

System Programmer Response: Restart the queue manager.

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.

System Action: The queue manager is terminated with this reason code. Additionally, if no SDWA was provided to the recovery routine, a dump is requested. A record is written to SYS1.LOGREC.

System Programmer Response: Restart the queue manager.

Scan the SYS1.LOGREC entries looking for one or more MQ errors immediately prior to the queue manager termination. See the *WebSphere MQ for z/OS Problem Determination Guide* for information about problem determination procedures.

Problem Determination: If an SDWA was available, an SVC dump of the original error was requested and should be analyzed to determination the nature of the original error. If no SDWA was available, the standard SVC dump 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.

System Action: The queue manager is ended abnormally. A record is written to SYS1.LOGREC.

System Programmer Response: Review the usage and the free areas in the LSQA subpool of the queue manager address space. If necessary, increase the private area size of the address space.

Restart the queue manager.

See the *WebSphere MQ for z/OS Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA. The recovery routine for the module issuing this reason code records information in the variable recording area (VRA).

Problem Determination: If queue manager termination was requested by module CSQVRCT, a standard SVC dump was requested. If insufficient private storage is the cause of the problem, other MQ resource managers might have ended abnormally.

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 error occurred while connecting an allied agent to the queue manager address space. The connection must complete so that the allied agent can be terminated.

System Action: The queue manager is terminated with this reason code. An SVC dump of the original error was requested and a record entered into SYS1.LOGREC.

System Programmer Response: Restart the queue manager.

Scan the SYS1.LOGREC entries looking for one or more MQ errors immediately prior to the queue manager termination. See the *WebSphere MQ for z/OS Problem Determination Guide* for information about problem determination procedures.

00E50709

Explanation: An internal error has occurred.

System Action: The queue manager is ended abnormally.

System Programmer Response: Restart the queue manager.

Scan the SYS1.LOGREC entries for one or more MQ errors occurring immediately prior to the queue manager termination. See the *WebSphere MQ for z/OS Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA.

Problem Determination: 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.

System Action: The queue manager is terminated with this reason code. An SVC dump of the original error was requested and a record entered into SYS1.LOGREC.

System Programmer Response: Restart the queue manager.

Scan the SYS1.LOGREC entries looking for one or more MQ errors immediately prior to the queue manager termination. See the *WebSphere MQ for z/OS Problem Determination Guide* for information about problem determination procedures.

Problem Determination: 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.

System Action: The queue manager is terminated with this reason code. An SVC dump of the original error was requested and a record entered into SYS1.LOGREC.

System Programmer Response: Restart the queue manager.

Scan the SYS1.LOGREC entries looking for one or more MQ errors immediately prior to the queue manager termination. See the *WebSphere MQ for z/OS Problem Determination Guide* for information about problem determination procedures.

Problem Determination: 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 MQ latch. The holder's task has been set nondispatchable by z/OS and a CALLRTM to terminate this task was unsuccessful.

System Action: The queue manager is terminated with this reason code. An SVC dump of the error is requested and a record entered into SYS1.LOGREC.

System Programmer Response: Restart the queue manager.

Scan the SYS1.LOGREC entries for one or more MQ errors immediately prior to the queue manager termination. See the *WebSphere MQ for z/OS 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.

System Action: The queue manager is ended abnormally. An SVC dump is requested by the queue manager termination processor and a record is written to SYS1.LOGREC.

System Programmer Response: Restart the queue manager.

Scan the SYS1.LOGREC entries for one or more MQ errors occurring immediately prior to the queue manager termination. It might be necessary to analyze the SVC dump requested. See the *WebSphere MQ for z/OS 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: Queue manager termination was requested following an unrecoverable error in an SRB mode execution unit.

System Action: The SRB-related task was ended abnormally as a result of SRB to TCB percolation. The queue manager is ended abnormally.

System Programmer Response: Restart the queue manager.

Scan the SYS1.LOGREC entries for one or more MQ errors occurring immediately prior to the queue manager termination. See the *WebSphere MQ for z/OS Problem Determination Guide* for information about problem determination procedures.

Problem Determination: 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.

System Action: The queue manager is ended abnormally.

System Programmer Response: Restart the queue manager.

Scan the SYS1.LOGREC entries for one or more MQ

errors occurring immediately prior to the queue manager termination. See the *WebSphere MQ for z/OS Problem Determination Guide* for information about problem determination procedures.

Problem Determination: If an error preceded the queue manager termination request, 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.

System Action: The queue manager is ended abnormally.

System Programmer Response: Restart the queue manager.

Scan the SYS1.LOGREC entries for one or more MQ errors occurring immediately prior to the queue manager termination. See the *WebSphere MQ for z/OS 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: Queue manager termination was requested because of an unrecovered error in a scheduled SRB-mode execution unit.

System Action: The SRB-related task was ended abnormally, due to SRB to TCB percolation. The queue manager is ended abnormally.

System Programmer Response: Restart the queue manager.

Scan the SYS1.LOGREC entries for one or more MQ errors occurring immediately prior to the queue manager termination. If necessary, analyze the SVC dump requested by queue manager termination. See the *WebSphere MQ for z/OS Problem Determination Guide* for information about problem determination procedures.

Problem Determination: Diagnostic information can be obtained through SYS1.LOGREC and SVC dump materials obtained as a result of errors occurring prior to queue manager termination. An SVC dump was requested by system termination. To determine the location of the error, examine the RB structure of the

task in error. Register 1 contains the original SRB error 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 queue manager termination reason code.

System Action: The queue manager is ended abnormally.

System Programmer Response: Restart the queue manager.

Scan the SYS1.LOGREC entries for one or more MQ errors occurring immediately prior to the queue manager termination. See the *WebSphere MQ for z/OS 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: Diagnostic information can be obtained through SYS1.LOGREC and SVC dump materials generated at the time of the original error. If the queue manager termination request was issued by module CSQVEUS2, an SVC dump was requested.

You might find the following items useful in resolving the problem:

- Console output
- System dump
- Printout of SYS1.LOGREC

Chapter 39. Instrumentation facilities codes (X'E6')

00E60008

Explanation: An internal error has occurred.

System Action: The function being traced is ended abnormally. The queue manager 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.

System Action: The request is ended abnormally.

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.

System Action: The request is end abnormally.

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.

System Action: The request is ended abnormally.

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.

System Action: The request is ended abnormally.

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.

System Action: The request is ended abnormally.

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.

System Action: The request is ended abnormally.

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 X'00E60100' through X'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.

System Action: The agent might be retried or terminated, depending upon the serviceability dump request.

Problem Determination: The reason code 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.

00E60701

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E60702

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E60703

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E60704

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

Chapter 40. Distributed queuing codes (X'E7')

00E70001

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- If the error affected a message channel agent, a listing of any user channel exit programs used by the message channel agent
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

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 completion 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70007

Explanation: An attempt by an adapter subtask to obtain some storage failed.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Increase the size of the channel initiator address space, or reduce the number of dispatchers, adapter subtasks, SSL server subtasks, and active channels being used.

00E70008

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70009

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E7000A

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70011

Explanation: The channel initiator was unable to load the module CSQXBENT.

System Action: The current execution unit terminates with completion 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 JCL procedure xxxxCHIN.

00E70013

Explanation: Some adapter subtasks were requested, but none could be attached.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70015

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

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 completion code X'5C6'.

System Programmer Response: Restart the channel initiator.

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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E7001F

Explanation: An internal error has occurred.

System Action: The channel initiator terminates with completion code X'5C6'.

System Programmer Response: Restart the channel initiator.

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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70020

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Check the console for preceding error messages. If the problem cannot be resolved, 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 error and details of any command being issued at the time of the failure.
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70021

Explanation: An internal error has occurred.

System Action: The channel initiator terminates with completion code X'5C6'.

System Programmer Response: Restart the channel initiator.

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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70022

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70023

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70024

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70025

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log

- System dump resulting from the error

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 completion code X'5C6'.

System Programmer Response: Determine why the terminated task did not free the lock. This might be due to a previous error. 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70032

Explanation: An internal error has occurred. An attempt to update information held in the Coupling Facility failed.

System Action: The current execution unit terminates with completion 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 actions that led to the error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error
- Details of the queue-sharing group and of the queue managers active, as well as the queue managers defined to the queue-sharing group at the time. This information can be obtained by entering the following z/OS commands:

D XCF,GRP

to display a list of all queue-sharing groups in the Coupling Facility

D XCF,GRP,qsg-name,ALL

to display status about the queue managers defined to the queue-sharing group.

00E70052

Explanation: No SSL server 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 SSL server subtask failure problems, as reported in the messages associated with each failure.

00E70053

Explanation: Some SSL server subtasks were requested, but none could be attached.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Investigate the SSL server 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E7010C

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E7010E

Explanation: The dispatcher detected an inconsistency in the linkage stack.

System Action: The current execution unit terminates with completion 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 MQ API 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E7010F

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E7014A

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E7014C

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E7014D

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E7014F

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E7015A

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70214

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- The channel definitions being used
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70216

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- The channel definitions being used
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70226

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure

- The channel definitions being used
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70231

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- The channel definitions being used
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70232

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- The channel definitions being used
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70233

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- The channel definitions being used
- Queue manager job log

- Channel initiator job log
- System dump resulting from the error

00E70501

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- The channel definitions being used
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70522

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- The channel definitions being used
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70543

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- The channel definitions being used
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70546

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- The channel definitions being used
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

00E70553

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion 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 error and details of any command being issued at the time of the failure
- The channel definitions being used
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error

Chapter 41. Initialization procedure and general services codes (X'E8')

00E80001

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC
- Initialization procedure

00E80002

Explanation: The queue manager address space was not started correctly or an error occurred during z/OS IEFSSREQ processing.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 z/OS IEFSSREQ macro

You might find the following items useful in resolving the problem:

- System dump resulting from the error
- Printout of SYS1.LOGREC
- Initialization procedure

00E80003

Explanation: An internal error has occurred.

System Programmer Response:

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80004

Explanation: An internal error has occurred.

System Programmer Response: The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80005

Explanation: An internal error has occurred.

System Programmer Response: The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80006

Explanation: An internal error has occurred.

System Programmer Response: The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E8000E

Explanation: An ESTAE could not be established for the queue manager address space control task.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E8000F

Explanation: Invalid startup parameters were specified. This was probably caused by an attempt to start the queue manager by some means other than a START QMGR command.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC
- Initialization procedure

00E80011

Explanation: The address space could not be made non-swappable.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC
- Initialization procedure

00E80012

Explanation: An internal error has occurred.

System Programmer Response: The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC
- Initialization procedure

00E80013

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E8001F

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E8002F

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80031

Explanation: An unsupported input parameter was detected for allied address space initialization.

System Action: The caller's task is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80032

Explanation: An unsupported input parameter was detected for allied address space termination.

System Action: The caller's task is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80033

Explanation: This reason code accompanies a X'6C6' completion code. This module detected that the queue manager was terminating.

System Action: The caller's task is ended abnormally 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 module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E8003C

Explanation: An internal error has occurred.

System Action: The caller's task is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E8003D

Explanation: An internal error has occurred.

System Action: Abnormal termination of the queue manager is initiated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E8003E

Explanation: An ESTAE could not be established in an address space about to be initialized as an MQ allied address space.

System Action: The caller's task is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E8003F

Explanation: An internal error has occurred.

System Action: The caller's task is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80041

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80042

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E8004F

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80051

Explanation: An error was detected in the command that was used to start the queue manager.

System Action: The queue manager is terminated. This error does not cause a SYS1.LOGREC record to be written or an SVC dump to be requested.

System Programmer Response: Reenter the command if it was entered incorrectly.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80053

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80054

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80055

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80057

Explanation: An error occurred while trying to start a queue manager address space. A possible cause of this problem would be an error in the started task JCL procedure for the queue manager.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

See the *WebSphere MQ for z/OS 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 resulting from the error
- Started task JCL procedure for this queue manager

00E80058

Explanation: An error occurred during command prefix registration.

System Action: The queue manager ends abnormally.

System Programmer Response: See the accompanying CSQYxxx messages for information about the cause of the problem.

Restart the queue manager after correcting the problem.

Problem Determination: You might find the following items useful in resolving the problem:

- Console log

00E8005F

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80061

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E8006F

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E8007F

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80081

Explanation: An invalid load module was detected.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager after resolving the problem.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS Problem Determination Guide* for information about problem

determination procedures, the VRA, and dump analysis.

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 resulting from the error
- Printout of SYS1.LOGREC

00E80084

Explanation: A resource manager provided notification of an error during queue manager startup notification processing.

System Action: The queue manager 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.

Restart the queue manager after resolving the problem.

Problem Determination: The recovery routine for the module 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 queue manager termination. See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC
- Initialization procedure
- System parameter load module
- Contents of the BSDS
- GTF trace

00E8008F

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80091

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E8009F

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E800AF

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E800B1

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E800CE

Explanation: An ESTAE could not be established.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E800D1

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E800D2

Explanation: An error was encountered while attempting to obtain the z/OS LOCAL lock.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E800D3

Explanation: An error was encountered while attempting to release the z/OS LOCAL lock.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E800DF

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

Obtain a print of SYS1.LOGREC. See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80100

Explanation: The queue manager was ended abnormally because the queue manager address space control task ESTAE was entered. This reason code is issued for all completion codes, except for the X'5C6' completion code.

System Action: Termination of the queue manager is initiated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager after resolving the problem.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

The queue manager 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 the queue manager 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.

This reason code is also issued if the queue manager is canceled by the z/OS command CANCEL. If this is the case, determine why the queue manager was canceled.

You might find the following items useful in resolving the problem:

- System dump resulting from the error
- Printout of SYS1.LOGREC
- System parameter load module
- Contents of the BSDS
- GTF trace

00E8011D

Explanation: An internal error has occurred.

System Action: Termination of queue manager is initiated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E8011E

Explanation: The allied address space task primary ESTAE detected that the secondary ESTAE could not be established.

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 module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E8011F

Explanation: The allied address space task primary ESTAE was entered without a subsystem diagnostic work area (SDWA) provided by z/OS RTM.

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 module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error

- Printout of SYS1.LOGREC

00E8012D

Explanation: An internal error has occurred.

System Action: Abnormal termination of queue manager is initiated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E8012F

Explanation: The allied address space task secondary ESTAE was entered without a subsystem diagnostic work area (SDWA) provided by z/OS.

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 module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- 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.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80140

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80150

Explanation: An invalid module was detected.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager after resolving the problem.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80151

Explanation: An invalid module was detected.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager after resolving the problem.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E8015F

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Restart the queue manager.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00E80160

Explanation: The queue manager initialization procedures found that a load module had an invalid AMODE or RMODE attribute.

System Action: Queue manager startup is terminated.

System Programmer Response: See message CSQY006E.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS Problem Determination Guide* for information about the VRA.

Problem Determination: See message CSQY006E.

00E80161

Explanation: The queue manager initialization procedures found that a load module was not at the the correct level for the version of the queue manager that was being started.

System Action: Queue manager startup is terminated.

System Programmer Response: See message CSQY010E.

The recovery routine for the module issuing this reason code records information in the variable recording area (VRA). See the *WebSphere MQ for z/OS Problem Determination Guide* for information about the VRA.

Problem Determination: See message CSQY010E.

00E80162

Explanation: The queue manager initialization procedures found that the storage protect key was not 7. The most likely cause is that the program properties table (PPT) entry for CSQYASCP has not been specified correctly.

System Action: Queue manager startup is terminated.

System Programmer Response: Restart the queue manager after resolving the problem.

See the *WebSphere MQ for z/OS System Setup Guide* for information about specifying the PPT entry for CSQYASCP.

00E80163

Explanation: The queue manager initialization procedures found that they were not APF authorized. The most likely cause is that the MQ load libraries are not APF authorized.

System Action: Queue manager startup is terminated.

System Programmer Response: Restart the queue manager after resolving the problem.

See the *WebSphere MQ for z/OS System Setup Guide* for information about APF authorization for the MQ load libraries.

00E80170

Explanation: An internal error has occurred.

System Action: The request is ignored.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump resulting from the error
- Printout of SYS1.LOGREC
- System parameter load module

Chapter 42. System parameter manager codes (X'E9')

00E90101

Explanation: An error has occurred while trying to open MQ resources. The most likely cause is that a customized system parameter load module specified on the START QMGR command is not available.

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. 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 MQ resources.

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 error has occurred while attempting to open MQ resources. The most likely cause is that a customized system parameter load module specified on the START QMGR command (the default name is CSQZPARM) has been built incorrectly.

System Action: A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Check that the system parameter load module that you specified is available, and that it was linked correctly. (See the *WebSphere MQ for z/OS System Setup Guide* for information about this, and see CSQ4ZPRM for sample link-edit JCL.)

Restart the queue manager. If the problem persists, obtain a print of SYS1.LOGREC and the SVC dump, and contact your IBM support center for assistance.

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 *WebSphere MQ for z/OS 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 MQ resources.

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 MQ resources.

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

Chapter 43. Service facilities codes (X'F1')

The CSQ1LOGP log print utility can end abnormally with a user completion code of X'099'. You can find the corresponding reason code in register 15 at the time of error.

00F10100

Explanation: An internal error has been detected in the CSQ1LOGP log print utility.

System Programmer Response: Resubmit the job.

Contact your IBM support center if the problem persists.

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.

Chapter 44. WebSphere MQ-IMS bridge codes (X'F2')

00F20001

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20002

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20003

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20004

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20005

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20006

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20007

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20008

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20009

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2000A

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2000B

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2000C

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2000D

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2000E

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2000F

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20010

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20011

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20012

Explanation: The MQ-IMS bridge received a bad return code from IXCQUERY macro.

System Action: The current execution unit terminates with completion 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 MQ-IMS bridge received a bad return from IXCJOIN macro.

System Action: The current execution unit terminates with completion 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 MQ-IMS bridge received a bad return from IXCCREAT macro.

System Action: The current execution unit terminates with completion 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.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20016

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20017

Explanation: The MQ-IMS bridge received a bad return from IXCLEAVE macro.

System Action: The current execution unit terminates with completion 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 MQ-IMS bridge received a bad return from IXCDELET macro.

System Action: The current execution unit terminates with completion 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 to report the problem.

00F20019

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2001A

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2001B

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2001C

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2001D

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2001E

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2001F

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20020

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20021

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20022

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20023

Explanation: The MQ-IMS bridge received a bad return code from IXCMSSGO.

System Action: The current execution unit terminates with completion 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.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20026

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20027

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20029

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2002A

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2002B

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2002C

Explanation: The MQ-IMS bridge received a bad return code from IXCMSGO.

System Action: The current execution unit terminates with completion 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.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2002E

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20030

Explanation: The MQ-IMS bridge received a bad return code from IXCMSGO.

System Action: The current execution unit terminates with completion 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.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20032

Explanation: The MQ-IMS bridge received a bad return code from IXCMSGO.

System Action: The current execution unit terminates with completion 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.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20036

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20037

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20038

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20039

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2003A

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2003B

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2003D

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2003E

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2003F

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20040

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20041

Explanation: The MQ-IMS bridge received an MQOPEN error.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20042

Explanation: The MQ-IMS bridge received an MQCLOSE error.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20043

Explanation: The MQ-IMS bridge received an MQGET error.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20044

Explanation: The MQ-IMS bridge received an MQPUT error.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20045

Explanation: The MQ-IMS bridge received an MQOPEN error.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20046

Explanation: The MQ-IMS bridge received an MQCLOSE error.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20047

Explanation: The MQ-IMS bridge received an MQGET error.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20048

Explanation: The MQ-IMS bridge received an MQPUT error.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20049

Explanation: The MQ-IMS bridge received an MQPUT1 error.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2004A

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2004B

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2004C

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2004D

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2004E

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F2004F

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20050

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20051

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20052

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20053

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20054

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20055

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20056

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20057

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20058

Explanation: The MQ-IMS bridge received an MQPUT1 error.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

00F20059

Explanation: The MQ-IMS bridge received a severe sense code in an IMS negative response.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: The IMS sense code is given in message CSQ2003I.

00F20069

Explanation: The MQ-IMS bridge received an error when trying to resolve an in-doubt unit of recovery.

System Action: The current execution unit terminates with completion code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center to report the problem.

Chapter 45. Subsystem support codes (X'F3')

Many of the following reason codes are returned in register 15 at the time of an abnormal termination with completion code X'0Cx', and not as the reason code for a completion code of X'5C6'. This is indicated in the descriptions that follow.

00F30003

Explanation: An internal error has occurred.

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 resulting from the error
- Printout of SYS1.LOGREC

00F30004

Explanation: An internal error has occurred.

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 resulting from the error

00F30005

Explanation: An internal error has occurred.

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 resulting from the error

00F30006

Explanation: An internal error has occurred.

System Action: The request is not processed.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump resulting from the error

00F30007

Explanation: An internal error has occurred.

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 resulting from the error

00F30008

Explanation: An internal error has occurred.

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 resulting from the error

00F30014

Explanation: An internal error has occurred.

System Action: The requester's task is ended abnormally with completion 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 resulting from the error

00F30027

Explanation: An internal error has occurred.

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 resulting from the error

00F30030

Explanation: An internal error has occurred.

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 resulting from the error
- Console output
- Printout of SYS1.LOGREC

00F30032

Explanation: An internal error has occurred.

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 resulting from the error

00F30033

Explanation: An internal error has occurred.

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 resulting from the error

00F30038

Explanation: An internal error has occurred.

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 resulting from the error

00F30042

Explanation: An internal error has occurred.

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 resulting from the error
- Console output
- Printout of SYS1.LOGREC

00F30048

Explanation: An internal error has occurred.

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 resulting from the error

00F30053

Explanation: An internal error has occurred.

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 resulting from the error

00F30067

Explanation: An internal error has occurred.

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 resulting from the error
- 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 queue manager.

System Action: The connection request is not processed. The caller is ended abnormally with completion code X'5C6' and this reason code.

System Programmer Response: Restart the queue manager if necessary. A dump should be taken for problem analysis.

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 resulting from the error
- Printout of SYS1.LOGREC

00F30071

Explanation: An internal error has occurred.

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 resulting from the error
- Printout of SYS1.LOGREC

00F30075

Explanation: An internal error has occurred.

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 resulting from the error
- Printout of SYS1.LOGREC

00F30078

Explanation: An internal error has occurred.

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 resulting from the error
- Console log
- Printout of SYS1.LOGREC

00F30080

Explanation: An internal error has occurred.

System Action: The application program is ended abnormally with completion 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 resulting from the error
- Console log
- Printout of SYS1.LOGREC

00F30091

Explanation: The application program issued an RRSF IDENTIFY function request, but RRS is not available.

System Action: The IDENTIFY request is not processed.

User Response: Retry the IDENTIFY request after RRS has been started.

00F30093

Explanation: The application program issued an RRSF TERMINATE THREAD or TERMINATE IDENTIFY function request, but the application has issued an MQ API request since the last invocation of SRRCMIT or SRRBACK and therefore is not at a point of consistency.

System Action: The function request is not processed.

User Response: You can continue processing with a corrected request.

00F30095

Explanation: An internal error was detected in either MQ or RRS.

System Action: The application is ended abnormally. The error is recorded in the SYS1.LOGREC data set and an SVC dump is requested.

This error might, in many cases, eventually cause the queue manager to terminate abnormally.

System Programmer Response: This is probably either an error in MQ or in RRS.

Refer to Section 3 of Diagnosis Guide and Reference for information on identifying and reporting the problem. Collect the following diagnostic items:

- Console output from the system on which the queue manager was running, and a listing of the SYSLOG data set for the period of time spanning the failure.
- System dump resulting from the error
- Listing of SYS1.LOGREC data set.

00F30096

Explanation: An internal error was detected in either MQ or RRS Context Services.

System Action: The application is ended abnormally. The error is recorded in the SYS1.LOGREC data set and an SVC dump is requested.

This error might, in many cases, eventually cause the queue manager to terminate abnormally.

System Programmer Response: This is probably either an error in MQ or in RRS.

Refer to Section 3 of Diagnosis Guide and Reference for information on identifying and reporting the problem. Collect the following diagnostic items:

- Console output from the system on which the queue manager was running, and a listing of the SYSLOG data set for the period of time spanning the failure.
- System dump resulting from the error
- Listing of SYS1.LOGREC data set.

00F30101

Explanation: The parameter contained in the IEFSSNxx member used to initialize MQ (and other subsystems) is in error. See message CSQ3101E for details.

System Action: See message CSQ3101E.

System Programmer Response: See message CSQ3101E.

Problem Determination: See message CSQ3101E.

You might find the following items useful in resolving the problem:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F30102

Explanation: The parameter contained in the IEFSSNxx member used to initialize MQ (and other subsystems) is in error. The MQ command prefix (CPF) must not be blank. For details, see message CSQ3102E.

System Action: 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 resulting from the error
- Printout of SYS1.LOGREC

00F30103

Explanation: The parameter contained in the IEFSSNxx member used to initialize MQ (and other subsystems) is in error or the named module is not resident in a library available during IPL. See message CSQ3103E for details.

System Action: 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 resulting from the error
- Printout of SYS1.LOGREC

00F30104

Explanation: Module CSQ3UR00 was unable to obtain the affinity table index for the named subsystem. z/OS did not recognize the named subsystem. See message CSQ3109E for details.

System Action: 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 resulting from the error
- 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.

System Action: 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 MQ (and other subsystems) is in error. The scope of the MQ command prefix (CPF) is not valid. For details, see message CSQ3112E.

System Action: 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 resulting from the error
- Printout of SYS1.LOGREC

00F30107

Explanation: An error occurred during command prefix registration.

System Action: The MQ subsystem ends abnormally.

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

00F30210

Explanation: An internal error has occurred.

System Action: The caller is ended abnormally. 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 resulting from the error
- Printout of SYS1.LOGREC

00F30211

Explanation: An internal error has occurred.

System Action: The caller is ended abnormally. 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 resulting from the error
- Printout of SYS1.LOGREC

00F30212

Explanation: An internal error has occurred.

System Action: The caller is ended abnormally. 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 resulting from the error
- Printout of SYS1.LOGREC

00F30213

Explanation: An internal error has occurred.

System Action: The caller is ended abnormally. 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 resulting from the error
- Printout of SYS1.LOGREC

00F30214

Explanation: An internal error has occurred.

System Action: The caller is ended abnormally. 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 resulting from the error
- Printout of SYS1.LOGREC

00F30216

Explanation: An attempt to create a queue manager address space failed. This is probably because the user who issued the START QMGR command has insufficient authority.

System Action: The current START command processing is terminated.

System Programmer Response: Check the authority of users and consoles to issue commands.

Retry the command.

Problem Determination: An SVC dump and associated SYS1.LOGREC entries are produced. The ASID passed back by the z/OS command scheduler for the START command is not valid.

You might find the following items useful in resolving the problem:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

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

00F30217

Explanation: The console ID for the z/OS console that entered the current command is not found in the z/OS unit control module (UCM) structure. An internal z/OS command might have been incorrectly issued by an application program that provided invalid input parameters.

System Action: The caller is ended abnormally.

System Programmer Response: Retry the START QMGR command. and notify your system 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 resulting from the error
- Printout of SYS1.LOGREC

00F30218

Explanation: An internal error has occurred.

System Action: The current task is ended abnormally. The calling task 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 resulting from the error
- Printout of SYS1.LOGREC

00F30219

Explanation: An internal error has occurred.

System Action: The calling task is ended abnormally. The calling task might have requested an SVC dump or created associated SYS1.LOGREC entries.

System Programmer Response: Cancel the queue manager. (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 z/OS command FORCE for the queue manager. If the problem is still unresolved, re-IPL z/OS.

Collect the following items, and contact your IBM support center:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F3021A

Explanation: An internal error has occurred.

System Action: The calling task is ended abnormally. An SVC dump and associated SYS1.LOGREC entries are produced.

System Programmer Response: Stop the queue manager and reissue the START QMGR command.

Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC

00F3021C

Explanation: An ESTAE could not be established. This can occur if the z/OS system address space that is broadcasting the command has insufficient storage.

System Action: The caller is ended abnormally (without a dump). The current START command processing is terminated.

System Programmer Response: Retry the command. If the error persists, re-IPL z/OS.

Examine the LOGREC entries, and the console log for indications of a z/OS 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: An ESTAE could not be established during either the initialization or termination of the queue manager.

This can occur during initialization if the z/OS system

address space that is broadcasting the first command (assumed to be the START command) has insufficient storage. e

This can occur during termination if the current address space (usually the queue manager, or in the case of EOM broadcast, a z/OS system address space) has insufficient storage.

System Action: The caller is ended abnormally (without a dump). The initialization stops, but termination proceeds.

System Programmer Response: Retry the command after the queue manager has terminated. If the problem persists, a re-IPL of z/OS might be necessary.

Examine the LOGREC entries, and the console log for indications of a z/OS 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: An ESTAE could not be established while in the process of routing control to the actual ESTAE routine. The caller (RTM) is ended abnormally. This causes the original error to percolate to a higher-level recovery routine and causes this reason code to be shown in an RTM recovery environment.

This can occur if the current address space (usually an allied address space) has insufficient storage.

System Action: The caller is ended abnormally 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 resulting from the error
- Printout of SYS1.LOGREC

00F3021F

Explanation: An internal error has occurred.

System Action: The caller is not ended abnormally. 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 resulting from the error
- Console log
- Printout of SYS1.LOGREC

00F30220

Explanation: An internal error has occurred.

System Action: The caller is not ended abnormally. 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 resulting from the error
- Console log
- Printout of SYS1.LOGREC

00F30230

Explanation: An internal error has occurred.

System Action: The connection between the allied address space and the queue manager 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 resulting from the error
- Console log
- Printout of SYS1.LOGREC

00F30310

Explanation: An internal error has occurred.

System Action: The invoker is ended abnormally. 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 resulting from the error
- Console log
- Printout of SYS1.LOGREC

00F30311

Explanation: An ESTAE could not be established 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 queue manager.

System Action: The caller is ended abnormally.

System Programmer Response: Restart the queue manager if necessary.

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 resulting from the error
- Printout of SYS1.LOGREC

00F30312

Explanation: An ESTAE could not be established during the processing of a resolve-indoubt-UR request. This can occur if the current address space has insufficient storage.

System Action: The caller is ended abnormally.

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 resulting from the error
- 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.

System Action: The request is not processed. The application program is ended abnormally with completion code X'5C6' and this reason code.

System Programmer Response: A dump should be taken for problem analysis.

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 resulting from the error

00F30400

Explanation: An internal error has occurred.

System Action: The 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.

System Action: The 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.

System Action: The 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 queue manager has gone to EOM (end-of-memory). This is probably because the z/OS command FORCE has been issued.

System Action: The queue manager is terminated, and a dump is taken.

System Programmer Response: The queue manager can be restarted after termination completes.

Problem Determination: Determine why the z/OS command FORCE was issued.

00F30409

Explanation: An internal error has occurred.

System Action: The queue manager is terminated with an SVC dump.

System Programmer Response: The queue manager can be started again after it terminates.

Collect the following items, and contact your IBM support center:

- Console log
 - Printout of SYS1.LOGREC
 - System dump resulting from the error
-

00F3040A

Explanation: An internal error has occurred.

System Action: The queue manager is terminated with an SVC dump.

System Programmer Response: The queue manager can be started again after it terminates.

Collect the following items, and contact your IBM support center:

- Console log
 - Printout of SYS1.LOGREC
-

- System dump resulting from the error
-

00F3040B

Explanation: See message CSQ3001E.

System Action: 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 resulting from the error
 - Printout of SYS1.LOGREC
-

00F3040C

Explanation: An internal error has occurred.

System Action: The queue manager is terminated with an SVC dump.

System Programmer Response: The queue manager can be started again after it terminates.

Collect the following items, and contact your IBM support center:

- Console log
 - Printout of SYS1.LOGREC
 - System dump resulting from the error
-

00F3040D

Explanation: An internal error has occurred.

System Action: The queue manager is terminated with an SVC dump.

System Programmer Response: The queue manager can be started again after it terminates.

Collect the following items, and contact your IBM support center:

- Console log
 - System dump resulting from the error
 - Printout of SYS1.LOGREC
-

00F3040E

Explanation: An internal error has occurred.

System Action: The queue manager is terminated.

System Programmer Response: The queue manager should be restarted.

Collect the following items, and contact your IBM support center:

- Console log
 - System dump resulting from the error
 - Printout of SYS1.LOGREC
-

00F3040F

Explanation: An internal error has occurred.

System Action: The queue manager is terminated with an SVC dump.

System Programmer Response: The queue manager can be started again after it terminates.

Collect the following items, and contact your IBM support center:

- System dump resulting from the error
 - Console log
 - Printout of SYS1.LOGREC
-

00F30410

Explanation: An internal error has occurred.

System Action: The queue manager is terminated.

System Programmer Response: The queue manager can be started again after it terminates.

Collect the following items, and contact your IBM support center:

- Console log
 - System dump resulting from the error
-

00F30411

Explanation: An internal error has occurred.

System Action: The queue manager is terminated.

System Programmer Response: The queue manager can be started again after it terminates.

Collect the following items, and contact your IBM support center:

- Console log
 - Printout of SYS1.LOGREC
 - System dump resulting from the error
-

00F30412

Explanation: An internal error has occurred.

System Action: The queue manager is terminated.

System Programmer Response: The queue manager can be started again after it terminates.

Collect the following items, and contact your IBM support center:

- Console log
 - Printout of SYS1.LOGREC
 - System dump resulting from the error
-

00F30413

Explanation: An internal error has occurred.

System Action: The queue manager is terminated.

System Programmer Response: The queue manager

can be started again after it terminates.

Collect the following items, and contact your IBM support center:

- Console log
 - Printout of SYS1.LOGREC
 - System dump resulting from the error
-

00F30414

Explanation: An internal error has occurred.

System Action: The queue manager is terminated.

System Programmer Response: The queue manager can be started again after it terminates. If the problem persists, request a stand-alone dump, and re-IPL z/OS.

Collect the following items, and contact your IBM support center:

- Console log
 - System dump resulting from the error
-

00F30415

Explanation: An ESTAE could not be established during the processing of an EOM SSI broadcast. This is probably a z/OS problem, because these modules are executing in the z/OS master scheduler address space.

System Action: The queue manager is terminated.

System Programmer Response: The queue manager can be started again after it terminates. If the problem persists, re-IPL z/OS.

This can occur if the z/OS master scheduler address space has insufficient free storage. If the problem appears to be an MQ problem, see the *WebSphere MQ for z/OS Problem Determination Guide* for information about problem determination procedures.

Problem Determination: MQ is unable to write a SYS1.LOGREC record or request a dump. The z/OS master scheduler should have produced these diagnostic aids. Examine the dump to determine whether the problem is in z/OS or MQ. Other unrelated errors in the z/OS Master Scheduler address space would indicate a z/OS problem.

You might find the following items useful in resolving the problem:

- Console log
 - System dump resulting from the error
-

00F30416

Explanation: An ESTAE could not be established during the processing of an EOM for an allied address space.

System Action: The queue manager is terminated.

System Programmer Response: The queue manager can be started again after it terminates. If the problem persists, re-IPL z/OS.

This can occur if the z/OS master scheduler address space that is broadcasting the EOM has insufficient free storage. If the problem appears to be an MQ problem, see the *WebSphere MQ for z/OS Problem Determination Guide* for information about problem determination procedures.

Problem Determination: MQ is unable to write a SYS1.LOGREC record or request a dump. The z/OS master scheduler should have produced these diagnostic aids. Examine the dump to determine whether the problem is in z/OS or MQ. Other unrelated errors in the z/OS Master Scheduler address space would indicate a z/OS problem.

You might find the following items useful in resolving the problem:

- Console log
- System dump resulting from the error

00F30417

Explanation: An internal error has occurred.

System Action: The queue manager is terminated.

System Programmer Response: The queue manager can be started again after it terminates.

Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC
- System dump resulting from the error

00F30418

Explanation: An internal error has occurred.

System Action: The queue manager is terminated.

System Programmer Response: The queue manager can be started again after it terminates.

Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC
- System dump resulting from the error

00F30419

Explanation: An internal error has occurred.

System Action: The queue manager is terminated with an SVC dump.

System Programmer Response: The queue manager can be started again after it terminates.

Collect the following items, and contact your IBM support center:

- Console log
- System dump resulting from the error
- 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 queue manager startup. Probably, an ESTAE could not be established because of a shortage of LSQA space.

System Action: The queue manager is terminated.

System Programmer Response: Restart the queue manager.

If the problem persists, increase the size of the queue manager 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 resulting from the error
- Printout of SYS1.LOGREC

00F3041B

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A SYS1.LOGREC entry and associated SVC dump were requested.

System Programmer Response: Restart the queue manager.

Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC
- System dump resulting from the error

00F30420

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. A SYS1.LOGREC entry and associated SVC dump were requested.

System Programmer Response: Restart the queue manager.

Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC
- System dump resulting from the error

00F30429

Explanation: An internal error has occurred.

System Action: The queue manager is terminated with an SVC dump.

System Programmer Response: Restart the queue manager.

Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC
- System dump resulting from the error

00F30450

Explanation: An ESTAE could not be established during the processing of an identify SSI call. This can occur if the current address space has insufficient storage.

System Action: The allied address space is ended abnormally (without a dump).

System Programmer Response: The user can retry the identify request. If a dump is available, review the 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 resulting from the error
- Printout of SYS1.LOGREC

00F30451

Explanation: An ESTAE could not be established during the processing of an identify SSI call. This can occur if the current address space has insufficient storage.

System Action: The allied task is ended abnormally (without a dump).

System Programmer Response: The user can retry the identify request. If a dump is available, review the 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 resulting from the error
- Printout of SYS1.LOGREC

00F30452

Explanation: An ESTAE could not be established during the processing of an identify SSI call. This can occur if the current address space has insufficient storage.

System Action: The allied task is ended abnormally (without a dump).

System Programmer Response: The user can retry the identify request. If a dump is available, review the 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 resulting from the error
- Printout of SYS1.LOGREC

00F30453

Explanation: ESTAEs could not be established during the processing of a n SSI call other than FEOT, EOM, HELP, COMMAND, and IDENTIFY. This can occur if the current address space has insufficient storage.

System Action: The allied task is ended abnormally (without a dump).

System Programmer Response: The user can retry the request. If a dump is available, review the 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 resulting from the error
- Printout of SYS1.LOGREC

00F30454

Explanation: An internal error has occurred.

System Action: The allied task is ended abnormally.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F30455

Explanation: An ESTAE could not be established during the processing of an identify termination request. This can occur if the current address space has insufficient storage.

System Action: The allied task is ended abnormally (without a dump).

System Programmer Response: The user can retry the request. If a dump is available, review the 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 resulting from the error
- Printout of SYS1.LOGREC

00F30456

Explanation: An internal error has occurred.

System Action: The calling task is ended abnormally.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F30457

Explanation: An internal error has occurred.

System Action: The caller is ended abnormally. The error might, in many cases, eventually terminate the queue manager.

System Programmer Response: Restart the queue manager if necessary.

Collect the following items, and contact your IBM support center:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F30459

Explanation: An internal error has occurred.

System Action: The queue manager is terminated with a reason code of X'00F30420'.

System Programmer Response: Restart the queue manager.

Collect the following items, and contact your IBM support center:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F30461

Explanation: The queue manager was unable to successfully restart with RRS because of an internal error in either MQ or RRS.

System Action: The queue manager is not connected to RRS and all services dependent on that connection are unavailable. This means that applications might not connect to the queue manager using RRSF and that WLM-established address spaces might not be used for MQ stored procedures until the queue manager successfully restarts with RRS.

System Programmer Response: Stop and then start RRS. Stop and then start the queue manager. If the problem persists, perform an RRS cold start.

Refer to Section 3 of Diagnosis Guide and Reference for information on identifying and reporting the problem. Collect the following diagnostic items:

- Console output from the system on which the queue manager was run, and a listing of the SYSLOG data set for the period of time spanning the failure.
- System dump resulting from the error
- Listing of SYS1.LOGREC data set.

00F30501

Explanation: An internal error has occurred.

System Action: The requester is ended abnormally, and the request is not processed.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F30502

Explanation: An internal error has occurred.

System Action: The requester is ended abnormally, 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 resulting from the error
- Printout of SYS1.LOGREC

00F30503

Explanation: The member CSQ6SYSP is missing from the system parameter load module.

System Action: Queue manager start-up is terminated.

System Programmer Response: For information about the coding procedure for system parameter modules, see the *WebSphere MQ for z/OS System Setup Guide*.

Problem Determination: CSQ6SYSP is missing from the system parameter load module. Recreate your system parameter load module (if a customized version is being used) and restart the queue manager.

You might find the following items useful in resolving the problem:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F30573

Explanation: An internal error has occurred.

System Action: The requester is ended abnormally, 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 resulting from the error
- Console log
- Printout of SYS1.LOGREC

00F30574

Explanation: An internal error has occurred.

System Action: The requester is ended abnormally, 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 resulting from the error
- Console log
- Printout of SYS1.LOGREC

00F30580

Explanation: An internal error has occurred.

System Action: The requester is ended abnormally.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F30581

Explanation: An internal error has occurred.

System Action: The queue manager ends abnormally. The startup/shutdown ESTAE creates a SYS1.LOGREC entry and takes an SVC dump.

System Programmer Response: Restart the queue manager.

Collect the following items, and contact your IBM support center:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F30597

Explanation: An internal error has occurred.

System Action: The allied task is ended abnormally, and the request is not processed.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F30598

Explanation: An internal error has occurred.

System Action: The allied task is ended abnormally, and the request is not processed.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F30599

Explanation: An internal error has occurred.

System Action: The connection name associated with the error is probably unable to continue communication with MQ until the queue manager is terminated and restarted.

System Programmer Response: If necessary, stop and restart the queue manager.

Collect the following items, and contact your IBM support center:

- Console log
 - System dump resulting from the error
 - 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 errors or messages concerning this allied user indicating what the asynchronous events were.

System Action: The allied user is ended abnormally with completion code X'5C6' and this reason code.

System Programmer Response: An SVC dump, associated SYS1.LOGREC entries, and SYSLOG should be available. See the *WebSphere MQ for z/OS 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 resulting from the error
- Printout of SYS1.LOGREC

00F30610

Explanation: An ESTAE could not be established during the processing of an 'end stop-work force' notification. This can occur if there is insufficient storage. This might lead to abnormal termination of the queue manager.

System Action: The caller is ended abnormally. An SVC dump and related SYS1.LOGREC entry are requested.

System Programmer Response: If necessary, restart the queue manager.

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 resulting from the error
- Printout of SYS1.LOGREC

00F30801

Explanation: An internal error has occurred.

System Action: The queue manager is terminated. An SVC dump is requested.

System Programmer Response: Restart the queue manager.

Collect the following items, and contact your IBM support center:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F30802

Explanation: An internal error has occurred.

System Action: The task is not ended abnormally.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F30803

Explanation: An ESTAE could not be established during the processing of an application program support call. This can occur if the current address space has insufficient storage.

System Action: The allied task is ended abnormally.

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 resulting from the error
- Printout of SYS1.LOGREC

00F30805

Explanation: An internal error has occurred.

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: MQ has lost its cross-memory authority to an allied address space because the ally has released its authorization index.

System Action: The allied address space is terminated.

System Programmer Response: See the *WebSphere MQ for z/OS 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: MQ has detected a recursive error condition while processing End-of-Task for a task in an allied address space.

System Action: The allied address space is terminated.

System Programmer Response: See the *WebSphere MQ for z/OS 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 error has occurred while processing End-of-Task for the queue manager address space.

System Action: The address space is forced to 'end-of-memory' with this reason code.

System Programmer Response: See the *WebSphere MQ for z/OS 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 queue manager address space, and MQ could not establish an ESTAE to protect its processing. Insufficient storage might be the reason the ESTAE could not be established.

System Action: The address space is forced to 'end-of-memory' with this reason code.

System Programmer Response: See the *WebSphere MQ for z/OS 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 MQ 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. MQ would normally attempt to terminate the address space's connection to the queue manager but was unable to protect its processing by establishing an ESTAE. Insufficient storage might be the reason the ESTAE could not be established.

System Action: The address space is forced to 'end-of-memory' with this reason code.

System Programmer Response: See the *WebSphere MQ for z/OS 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 MQ thread is read-only.

System Action: A prepare issued by the application program was processed through Phase-1. MQ 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.

Chapter 46. DB2 manager codes (X'F5')

00F50000

Explanation: An internal error has occurred.

System Action: The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

System Programmer Response: Ensure that the QSGDATA system parameter is specified correctly and restart the queue manager.

If the problem persists, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50001

Explanation: An internal error has occurred.

System Action: The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

System Programmer Response: Restart the queue manager.

If the problem persists, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50002

Explanation: An internal error has occurred.

System Action: The task ends abnormally. Queue manager processing continues but the queue manager may not terminate normally and may not register DB2 termination.

System Programmer Response: Refer to *DB2 for z/OS Messages and Codes* for information about the completion and reason code in the accompanying message and collect the diagnostic data requested in the manual.

In addition, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50003

Explanation: An internal error has occurred.

System Action: The task ends abnormally. Queue manager 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:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50004

Explanation: An internal error has occurred.

System Action: The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

System Programmer Response: Ensure that the following modules are available through the linklist or the steplib concatenation: DSNRLI, DSNHLIR, DSNWLIR, ATRCMIT and ATRBACK. Restart the queue manager.

If the problem persists, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50006

Explanation: An internal error has occurred.

System Action: The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

System Programmer Response: All queue managers that are members of the same queue-sharing group must connect to the same DB2 data-sharing group. Check that all queue managers in the queue-sharing group have the same DB2 data-sharing group specified

in the QSGDATA system parameter. Restart the queue manager.

Problem Determination: Collect the following diagnostic items:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50007

Explanation: An internal error has occurred.

System Action: The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

System Programmer Response: Ensure that the DB2 subsystem(s) specified on the QSGDATA system parameter are members of the DB2 data-sharing group that is also specified on the QSGDATA system parameter. Restart the queue manager.

If the problem persists, refer to *DB2 for z/OS Messages and Codes* for information about the completion and reason code in the accompanying message and collect the diagnostic data requested in the manual.

In addition, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50008

Explanation: An internal error has occurred.

System Action: The task ends abnormally and 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:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50009

Explanation: An internal error has occurred.

System Action: The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

System Programmer Response: Restart the queue manager.

Refer to *DB2 for z/OS Messages and Codes* for information about the completion and reason code in the accompanying message and collect the diagnostic data requested in the manual.

In addition, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50010

Explanation: An internal error has occurred.

System Action: The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

System Programmer Response: Restart the queue manager.

Refer to *z/OS MVS Programming: Sysplex Services Reference* for an explanation of the error and the diagnostic information, if any, that you must collect.

In addition, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50013

Explanation: No queue manager entry was found in the CSQ.ADMIN_B_QMGR table for this combination of queue manager and queue-sharing group, or the entry was incorrect.

System Action: The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

System Programmer Response: Check the CSQ.ADMIN_B_QMGR table in the DB2 data-sharing group and ensure that an entry has been defined for the queue manager and it relates to the correct queue-sharing group.

If you are migrating from a previous release of MQ, check also that you have updated the DB2 tables to the format for the current release. See the *WebSphere MQ for z/OS Concepts and Planning Guide* and the *WebSphere MQ for z/OS System Setup Guide* for information about migration and compatibility between releases.

Restart the queue manager. If the problem persists, collect the items listed in the Problem Determination

section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50014

Explanation: An internal error has occurred.

System Action: The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

System Programmer Response: Check that the DB2 related installation and customization tasks have all completed successfully. Restart the queue manager.

If the problem persists, refer to *DB2 for z/OS Messages and Codes* for information about the completion and reason code in the accompanying message and collect the diagnostic data requested in the manual.

In addition, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50015

Explanation: An internal error has occurred.

System Action: The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

System Programmer Response: Restart the queue manager.

If the problem persists, refer to *DB2 for z/OS Messages and Codes* for information about the completion and reason code in the accompanying message and collect the diagnostic data requested in the manual.

In addition, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50016

Explanation: An internal error has occurred.

System Action: The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

System Programmer Response: Restart the queue manager.

If the problem persists, refer to *DB2 for z/OS Messages and Codes* for information about the completion and reason code in the accompanying message and collect the diagnostic data requested in the manual.

In addition, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50017

Explanation: An internal error has occurred.

System Action: The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

System Programmer Response: See *z/OS MVS Programming: Sysplex Services Reference* for information about the completion and reason code in the accompanying message.

Restart the queue manager. If the problem persists, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50018

Explanation: An internal error has occurred.

System Action: The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

System Programmer Response: See *z/OS MVS Programming: Sysplex Services Reference* for information about the completion and reason code in the accompanying message.

Restart the queue manager. If the problem persists, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50019

Explanation: An internal error has occurred.

System Action: The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

System Programmer Response: See *z/OS MVS Programming: Sysplex Services Reference* for information about the completion and reason code in the accompanying message.

Restart the queue manager. If the problem persists, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50021

Explanation: An internal error has occurred.

System Action: The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

System Programmer Response: See *z/OS MVS Programming: Sysplex Services Reference* for information about the completion and reason code in the accompanying message.

Restart the queue manager. If the problem persists, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50024

Explanation: An internal error has occurred.

System Action: The task ends abnormally and a dump is taken.

System Programmer Response: If the problem persists, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50025

Explanation: An internal error has occurred.

System Action: The task ends abnormally and a dump is taken.

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:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50026

Explanation: An internal error has occurred.

System Action: The task ends abnormally and a dump is taken.

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:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50027

Explanation: An internal error has occurred.

System Action: The task ends abnormally and a dump is taken.

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:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50028

Explanation: An internal error has occurred.

System Action: The task ends abnormally and a dump is taken.

System Programmer Response: This may be a temporary condition if DB2 or RRS has just failed. If the problem persists collect the items listed in the

problem determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- Console log
- Output from DB2 command DISPLAY THREAD(*)
- System dump resulting from the error
- Printout of SYS1.LOGREC

- System dump resulting from the error
- Printout of SYS1.LOGREC

00F50029

Explanation: The queue manager has detected a mismatch between its supported versions of MQ and those of other members of the queue-sharing group.

System Action: The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

System Programmer Response: Verify the started task JCL procedure for the queue manager (xxxxMSTR) is executing the correct version of MQ. Restart the queue manager. If the correct version is being executed collect the item listed in the problem determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic item:

- A printout of the CSQ.ADMIN_B_QMGR table from the DB2 data-sharing group to which the queue manager connected.

00F50901

Explanation: An internal error has occurred.

System Action: The job ends abnormally with a X'5C6' completion code and a dump is taken.

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:

- Console log
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F51030

Explanation: An internal error has occurred.

System Action: The task ends abnormally and a dump is taken.

System Programmer Response: Restart RRS if it has terminated. If RRS has not terminated collect the items listed in the problem determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic item:

- Console log

Chapter 47. Generalized command preprocessor codes (X'F9')

00F90000

Explanation: An internal error has occurred.

System Action: Command execution was ended abnormally. 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 *WebSphere MQ for z/OS 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 CSQWRCRD 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.

System Action: Command execution was ended abnormally. 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 *WebSphere MQ for z/OS 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 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
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F90002

Explanation: The routines of the multiple console support (MCS) service of z/OS. were unable to initialize. This condition might indicate an error in the address space.

System Action: Initialization is stopped, causing the queue manager to terminate.

System Programmer Response: Print the contents of the SYS1.LOGREC data set. Determine which environment caused the problem, and see the *WebSphere MQ for z/OS Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA.

Restart the queue manager.

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
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F90003

Explanation: The routines of the multiple console support (MCS) service of z/OS were unable to initialize.

System Action: If the error was issued by module CSQ9SCNM, queue manager initialization is stopped, causing the queue manager to terminate. If the error was issued by module 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 *WebSphere MQ for z/OS 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
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F90004

Explanation: The routines of the multiple console support (MCS) service of z/OS detected a logic error.

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
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F90005

Explanation: A routine of the multiple console support (MCS) service of z/OS was not able to create an ESTAE recovery environment. This condition is detected when the ESTAE service of z/OS returns a nonzero return code. The command from the associated z/OS console is not executed. See the *MVS Programming: Assembler Services Reference* manual for an explanation of ESTAE return codes.

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 *WebSphere MQ for z/OS 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
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F90006

Explanation: An internal error has occurred.

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
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F90007

Explanation: An internal error has occurred.

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
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F90008

Explanation: An internal error has occurred.

System Action: The function is ended abnormally.

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
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F90009

Explanation: This reason code is used to document that module 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.

System Programmer Response: Determine which environment caused the problem, and see the *WebSphere MQ for z/OS 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
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F9000A

Explanation: An internal error has occurred.

System Action: Command execution was ended abnormally. 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
- System dump resulting from the error
- 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.

System Action: Command execution is ended abnormally.

System Programmer Response: Print the contents of the SYS1.LOGREC data set. Determine which environment caused the problem, and see the *WebSphere MQ for z/OS 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 queue manager.

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
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F9000C

Explanation: An internal error has occurred.

The command processor invoked attempted to return a message formatted for inclusion in a z/OS multiple line WTO (write to operator).

System Action: Command execution is ended abnormally.

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 *WebSphere MQ for z/OS 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 queue manager.

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 *WebSphere MQ for z/OS Problem Determination Guide*.

You might find the following items useful in resolving the problem:

- Console output
- System dump resulting from the error
- Printout of SYS1.LOGREC

00F9000D

Explanation: An internal error has occurred.

System Action: The queue manager start-up is terminated.

System Programmer Response: Restart the queue manager.

Contact your IBM support center to report the problem.

00F9000E

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Contact your IBM support center to report the problem.

00F9000F

Explanation: MQ 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.

System Action: The current execution unit terminates with completion code X'5C6'.

System Programmer Response: Ensure that CSQ6SYSP is in the system parameter load module. Restart the queue manager if necessary.

00F90010

Explanation: An internal error has occurred while processing a command.

System Action: Command execution was ended abnormally. The command was not executed.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center to report the problem.

Problem Determination: You might find the following items useful in resolving the problem:

- Console output
- System dump resulting from the error
- Printout of SYS1.LOGREC

Part 3. WebSphere MQ CICS abend codes

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codes 471

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Chapter 48. WebSphere MQ CICS bridge abend codes

CKB0

Explanation: This abend code is issued because the WebSphere MQ CICS adapter error handler is unable to load the message text module CSQFCTAB or CSQCMTXT. This module must be defined as a program entry in CICS, and exists in the WebSphere MQ library under the DFHRPL DD statement in the CICS JCL.

System Action: The task invoking the message handler is ended abnormally.

System Programmer Response: Check that the installation process was followed correctly.

CKB1

Explanation: An internal logic error has been detected in the CICS bridge monitor.

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.

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.

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.

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 MQ API call.

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.

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.

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.

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.

MBRA

Explanation: The type of EXEC CICS RECEIVE request does not match the next BRMQ vector.

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).

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.

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.

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, MBRE, MBRG

Explanation: The CICS bridge exit received an unexpected return code from an MQ API call.

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 MQ error messages for more information.

MBRH

Explanation: MQCIH field *ConversationalTask* was set to MQCCT_NO, but the task was conversational.

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).

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.

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.

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.

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.

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.

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.

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 MQ API call to open a queue.

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 MQ error messages for more information.

MBR1, MBR2, MBR3, MBR6

Explanation: The CICS bridge exit received invalid calling parameters from CICS.

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).

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.

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.

MBR8

Explanation: The mapset name in the next BRMQ vector does not match the CICS request.

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.

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.

MQB1

Explanation: The CICS bridge exit received an unexpected return code from an MQ API call when processing a backout request.

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 MQ error messages for more information.

MQB2

Explanation: The CICS bridge exit received an unexpected return code from an MQ API call when processing a commit request.

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 MQ error messages for more information.

MQB4

Explanation: The CICS bridge exit was unable to reread messages from the bridge request queue during backout processing.

System Action: The request messages are left on the CICS bridge queue with MQMD.BackoutCount set to 1.

Programmer Response: See the description of any accompanying MQ error messages for more information.

Chapter 49. WebSphere MQ CICS adapter abend codes

QAPI

Explanation: Unrecognizable API call. All supported API calls are documented in the *WebSphere MQ Application Programming Reference*.

System Action: The task is ended abnormally.

Programmer Response: See the *WebSphere MQ Application Programming Reference* manual for details of the API calls.

QCAL

Explanation: The WebSphere MQ CICS adapter has been invoked by CICS for an unknown reason.

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 WebSphere MQ CICS adapter error handler is unable to load the message text module CSQFCTAB or CSQCMTXT. This module must be defined as a program entry in CICS, and exists in the WebSphere MQ library under the DFHRPL DD statement in the CICS JCL.

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.

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.

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.

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 WebSphere MQ CICS adapter error handler is unable to load the message text module CSQFKTAB or CSQKMSG. This module must be defined as a program entry in CICS, and exists in the WebSphere MQ library under the DFHRPL DD statement in the CICS JCL.

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 WebSphere MQ CICS adapter has been enabled once (the adapter is enabled if an attempt is made to connect to MQ). 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 MQ API calls.

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.

System Action: The transaction abends with this reason code.

System Programmer Response: Refer to the error messages detailing the nature of the error.

QMH0

Explanation: The CICS commarea for the transaction CKMC will exceed its maximum allowable length.

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

QMH1

Explanation: An internal error has occurred. This might be caused by a storage violation.

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

QMH2

Explanation: An internal error has occurred. This might be caused by a storage violation.

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

QMH3

Explanation: An internal error has occurred. This might be caused by a storage violation.

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

QMH5

Explanation: An internal error has occurred.

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.)

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 *WebSphere MQ for z/OS System Setup 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.

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.

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.

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.

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

For each call, a completion code and a reason code are returned by the queue manager or by an exit routine, to indicate the success or failure of the call.

For more information about the WebSphere MQ API, see the *WebSphere MQ Application Programming Guide* and the *WebSphere MQ Application Programming Reference* manual.

Completion codes

The following is a list of the completion codes (MQCC) returned by WebSphere MQ

- | | |
|---|---|
| 0 | Successful completion (MQCC_OK)

The call completed fully; all output parameters have been set.

The <i>Reason</i> 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 <i>CompCode</i> and <i>Reason</i> output parameters.

The <i>Reason</i> 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 <i>CompCode</i> and <i>Reason</i> 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 <i>Reason</i> parameter gives additional information. |

Reason codes

The reason code parameter (*Reason*) is a qualification to the completion code parameter (*CompCode*).

If there is no special reason to report, MQRC_NONE is returned. 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; details are given under each call description.

Where user exit routines set completion codes and reasons, they should adhere to these rules. In addition, any special reason values defined by user exits should be less than zero, to ensure that they do not conflict with values defined by the queue manager. Exits can set reasons already defined by the queue manager, where these are appropriate.

Completion and reason codes

Reason codes also occur in:

- The *Reason* field of the MQDLH structure
- The *Feedback* field of the MQMD structure

Reason code list (alphabetic order)

The following is a list of reason codes, in alphabetic order, providing detailed information to help you understand them, including:

- An explanation of the circumstances that have caused the code to be raised
- The associated completion code
- Suggested programmer actions in response to the code

See “Reason code list (numeric order)” on page 547 for a reference list of reason codes in numeric order.

2129 (X'0851')

MQRC_ADAPTER_CONN_LOAD_ERROR

Explanation: On an MQCONN call, the connection handling module (CSQBICON for batch and CSQQCONN for IMS) could not be loaded, so the adapter could not link to it.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the correct library concatenation has been specified in the batch application program execution JCL, and in the queue-manager startup JCL.

2133 (X'0855')

MQRC_ADAPTER_CONV_LOAD_ERROR

Explanation: On an MQGET call, the adapter (batch or IMS) could not load the data conversion services modules.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the correct library concatenation has been specified in the batch application program execution JCL, and in the queue-manager startup JCL.

2131 (X'0853') MQRC_ADAPTER_DEFS_ERROR

Explanation: On an MQCONN call, the subsystem definition module (CSQBDEFV for batch and CSQQDEFV for IMS) does not contain the required control block identifier.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Check your library concatenation. If this is correct, check that the CSQBDEFV or CSQQDEFV module contains the required subsystem ID.

2132 (X'0854')

MQRC_ADAPTER_DEFS_LOAD_ERROR

Explanation: On an MQCONN call, the subsystem definition module (CSQBDEFV for batch and CSQQDEFV for IMS) could not be loaded.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the correct library concatenation has been specified in the application program execution JCL, and in the queue-manager startup JCL.

2138 (X'085A')

MQRC_ADAPTER_DISC_LOAD_ERROR

Explanation: On an MQDISC call, the disconnect handling module (CSQBDSC for batch and CSQQDISC for IMS) could not be loaded, so the adapter could not link to it.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the correct library concatenation has been specified in the application program execution JCL, and in the queue-manager startup JCL. Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.

2204 (X'089C') MQRC_ADAPTER_NOT_AVAILABLE

Explanation: 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.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: The application should tidy up and terminate. Any uncommitted changes in a unit of work should be backed out. A unit of work that is

coordinated by the queue manager is backed out automatically.

2130 (X'0852')

MQRC_ADAPTER_SERV_LOAD_ERROR

Explanation: On an MQI call, the batch adapter could not load the API service module CSQBSRV, and so could not link to it.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the correct library concatenation has been specified in the batch application program execution JCL, and in the queue-manager startup JCL.

2127 (X'084F')

MQRC_ADAPTER_STORAGE_SHORTAGE

Explanation: On an MQCONN call, the adapter was unable to acquire storage.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Notify the system programmer. 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.

2385 (X'0951') MQRC_AIR_ERROR

Explanation: On an MQCONN call, an MQAIR record is not valid for one of the following reasons:

- The *StrucId* field is not MQAIR_STRUC_ID.
- The *Version* field is not MQAIR_VERSION_1.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Windows.

Completion Code: MQCC_FAILED

Programmer Response: Correct the definition of the MQAIR record.

2001 (X'07D1')

MQRC_ALIAS_BASE_Q_TYPE_ERROR

Explanation: An MQOPEN or MQPUT1 call was issued specifying an alias queue as the destination, but the *BaseQName* in the alias queue definition resolves to a queue that is not a local queue, a local definition of a remote queue, or a cluster queue.

Completion Code: MQCC_FAILED

Programmer Response: Correct the queue definitions.

2002 (X'07D2') MQRC_ALREADY_CONNECTED

Explanation: An MQCONN or MQCONN call was issued, but the application is already connected to the queue manager.

- On z/OS, this reason code occurs for batch and IMS applications only; it does not occur for CICS applications.
- On AIX, HP-UX, OS/400, Solaris, Linux, Windows, this reason code occurs if the application attempts to create a nonshared handle when a nonshared handle already exists for the thread. A thread can have no more than one nonshared handle.
- On Windows, MTS objects do not receive this reason code, as additional connections to the queue manager are allowed.

Completion Code: MQCC_WARNING

Programmer Response: None. The *Hconn* parameter returned has the same value as was returned for the previous MQCONN or MQCONN call.

An MQCONN or MQCONN call that returns this reason code does *not* 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 has been called in a situation where the connect has already been done, a corresponding MQDISC should *not* be issued, because this will cause the application that issued the original MQCONN or MQCONN call to be disconnected as well.

2103 (X'0837')

MQRC_ANOTHER_Q_MGR_CONNECTED

Explanation: An MQCONN or MQCONN 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.

- On z/OS, this reason code does not occur.
- On Windows, MTS objects do not receive this reason code, as connections to other queue managers are allowed.

Completion Code: MQCC_FAILED

Programmer Response: Use the MQDISC call to disconnect from the queue manager that is already connected, and then issue the MQCONN or MQCONN call to connect to the new queue manager.

Disconnecting from the existing queue manager will close any queues that are currently open; it is recommended that any uncommitted units of work should be committed or backed out before the MQDISC call is issued.

Completion and reason codes

2374 (X'0946') MQRC_API_EXIT_ERROR

Explanation: An API exit function returned an invalid response code, or failed in some other way.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Linux, OS/400, Windows.

Completion Code: MQCC_FAILED

Programmer Response: Check the exit logic to ensure that the exit is returning valid values in the *ExitResponse* and *ExitResponse2* fields of the MQAXP structure. Consult the FFST record to see if it contains more detail about the problem.

2375 (X'0947') MQRC_API_EXIT_INIT_ERROR

Explanation: The queue manager encountered an error while attempting to initialize the execution environment for an API exit function.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Linux, OS/400, Windows.

Completion Code: MQCC_FAILED

Programmer Response: Consult the FFST record to obtain more detail about the problem.

2183 (X'0887') MQRC_API_EXIT_LOAD_ERROR

Explanation: The API crossing exit module could not be linked. If this reason is returned when the API crossing exit is invoked *after* the call has been executed, the call itself may have executed correctly.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the correct library concatenation has been specified, and that the API crossing exit module is executable and correctly named. Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.

2376 (X'0948') MQRC_API_EXIT_TERM_ERROR

Explanation: The queue manager encountered an error while attempting to terminate the execution environment for an API exit function.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Linux, OS/400, Windows.

Completion Code: MQCC_FAILED

Programmer Response: Consult the FFST record to obtain more detail about the problem.

900 (X'0384') MQRC_APPL_FIRST

Explanation: This is the 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.

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: As defined by the writer of the data-conversion exit.

999 (X'03E7') MQRC_APPL_LAST

Explanation: This is the highest 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.

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: As defined by the writer of the data-conversion exit.

2157 (X'086D') MQRC_ASID_MISMATCH

Explanation: On any MQI call, the caller's primary ASID was found to be different from the home ASID.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Correct the application (MQI calls cannot be issued in cross-memory mode). Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.

6104 (X'17D8') MQRC_ATTRIBUTE_LOCKED

Explanation: An attempt has been made to change the value of an attribute of an object while that object is open, or, for an *ImqQueueManager* object, while that object is connected. Certain attributes cannot be changed in these circumstances. Close or disconnect the object (as appropriate) before changing the attribute value.

An object may have been connected and/or opened unexpectedly and implicitly in order to perform an MQINQ call. Check the attribute cross-reference table in the *WebSphere MQ Using C++* book to determine whether any of your method invocations result in an MQINQ call.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

Programmer Response: Include MQOO_INQUIRE in the ImqObject **open options** and set them earlier.

2387 (X'0953')

MQRC_AUTH_INFO_CONN_NAME_ERROR

Explanation: On an MQCONN call, the *AuthInfoConnName* field in an MQAIR record specifies a value that is not valid.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Linux, Windows.

Completion Code: MQCC_FAILED

Programmer Response: Specify a valid connection name.

2383 (X'094F')

MQRC_AUTH_INFO_REC_COUNT_ERROR

Explanation: On an MQCONN call, the *AuthInfoRecCount* field in the MQSCO structure specifies a value that is less than zero.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Linux, Windows.

Completion Code: MQCC_FAILED

Programmer Response: Specify a value for *AuthInfoRecCount* that is zero or greater.

2384 (X'0950') **MQRC_AUTH_INFO_REC_ERROR**

Explanation: On an MQCONN call, the MQSCO structure does not specify the address of the MQAIR records correctly. One of the following applies:

- *AuthInfoRecCount* is greater than zero, but *AuthInfoRecOffset* is zero and *AuthInfoRecPtr* is the null pointer.
- *AuthInfoRecOffset* is not zero and *AuthInfoRecPtr* is not the null pointer.
- *AuthInfoRecPtr* is not a valid pointer.
- *AuthInfoRecOffset* or *AuthInfoRecPtr* points to storage that is not accessible.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Linux, Windows.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that one of *AuthInfoRecOffset* or *AuthInfoRecPtr* is zero and the other nonzero. Ensure that the field used points to accessible storage.

2386 (X'0952') **MQRC_AUTH_INFO_TYPE_ERROR**

Explanation: On an MQCONN call, the *AuthInfoType* field in an MQAIR record specifies a value that is not valid.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Linux, Windows.

Completion Code: MQCC_FAILED

Programmer Response: Specify MQAIT_CRL_LDAP for *AuthInfoType*.

2003 (X'07D3') **MQRC_BACKED_OUT**

Explanation: The current unit of work encountered a fatal error or was backed out. This occurs in the following cases:

- On an MQCMIT or MQDISC call, when the commit operation has failed and the unit of work has been backed out. All resources that participated in the unit of work have been returned to their state at the start of the unit of work. The MQCMIT or MQDISC call completes with MQCC_WARNING in this case.
 - On z/OS, 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.) The MQGET, MQPUT, or MQPUT1 call completes with MQCC_FAILED in this case.
 - On z/OS, this case does not occur.

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: Check the returns from previous calls to the queue manager. For example, a previous MQPUT call may have failed.

2362 (X'093A')

MQRC_BACKOUT_THRESHOLD_REACHED

Explanation: This reason code occurs only in the *Reason* field in an MQDLH structure, or in the *Feedback* field in the MQMD of a report message.

A JMS ConnectionConsumer found a message that exceeds the queue's backout threshold. The queue does not have a backout requeue queue defined, so the message was processed as specified by the disposition options in the *Report* field in the MQMD of the message.

On queue managers that do not support the

Completion and reason codes

| *BackoutThreshold* and *BackoutRequeueQName* queue attributes, JMS ConnectionConsumer uses a value of 20 for the backout threshold. When the *BackoutCount* of a message reaches this threshold, the message is processed as specified by the disposition options.

| If the *Report* field specifies one of the MQRO_EXCEPTION_* options, this reason code appears in the *Feedback* field of the report message. If the *Report* field specifies MQRO_DEAD_LETTER_Q, or the disposition report options are left as default, this reason code appears in the *Reason* field of the MQDLH.

| **Completion Code:** None

| **Programmer Response:** Investigate the cause of the backout count being greater than the threshold. To correct this, define the backout queue for the queue concerned.

2303 (X'08FF') MQRC_BAG_CONVERSION_ERROR

Explanation: 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.

Completion Code: MQCC_FAILED

Programmer Response: Check the logic of the application that created the buffer or message to ensure that the buffer or message contains valid PCF.

If the message contains PCF that is not valid, the message cannot be retrieved using the mqGetBag call:

- 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.

2326 (X'0916') MQRC_BAG_WRONG_TYPE

Explanation: The *Bag* 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.

Completion Code: MQCC_FAILED

Programmer Response: Specify the MQCBO_ADMIN_BAG option when the bag is created.

6111 (X'17DF') MQRC_BINARY_DATA_LENGTH_ERROR

Explanation: The length of the binary data is inconsistent with the length of the target attribute. Zero is a correct length for all attributes.

- The correct length for an **accounting token** is MQ_ACCOUNTING_TOKEN_LENGTH.
- The correct length for an **alternate security id** is MQ_SECURITY_ID_LENGTH.
- The correct length for a **correlation id** is MQ_CORREL_ID_LENGTH.
- The correct length for a **facility token** is MQ_FACILITY_LENGTH.
- The correct length for a **group id** is MQ_GROUP_ID_LENGTH.
- The correct length for a **message id** is MQ_MSG_ID_LENGTH.
- The correct length for an **instance id** is MQ_OBJECT_INSTANCE_ID_LENGTH.
- The correct length for a **transaction instance id** is MQ_TRAN_INSTANCE_ID_LENGTH.
- The correct length for a **message token** is MQ_MSG_TOKEN_LENGTH.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

2134 (X'0856') MQRC_BO_ERROR

Explanation: On an MQBEGIN call, the begin-options structure MQBO is not valid, for one of the following reasons:

- The *StrucId* field is not MQBO_STRUC_ID.
- The *Version* 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.

| This reason code occurs in the following environments:
| AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
| plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that input fields in the MQBO structure are set correctly.

2125 (X'084D') MQRC_BRIDGE_STARTED

Explanation: The IMS bridge has been started.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2126 (X'084E') MQRC_BRIDGE_STOPPED

Explanation: The IMS bridge has been stopped.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2004 (X'07D4') MQRC_BUFFER_ERROR

Explanation: The *Buffer* parameter is not valid for one of the following reasons:

- 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 *BufferLength*.
- For calls where *Buffer* is an output parameter: the parameter pointer points to read-only storage.

Completion Code: MQCC_FAILED

Programmer Response: Correct the parameter.

2005 (X'07D5') MQRC_BUFFER_LENGTH_ERROR

Explanation: The *BufferLength* 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.)

This reason can also be returned to an MQ client program on the MQCONN or MQCONNEX call if the negotiated maximum message size for the channel is smaller than the fixed part of any call structure.

| This reason should also be returned by the
| MQZ_ENUMERATE_AUTHORITY_DATA installable
| service component when the *AuthorityBuffer*
| parameter is too small to accommodate the data to be
| returned to the invoker of the service component.

Completion Code: MQCC_FAILED

Programmer Response: Specify a value that is zero or greater. For the mqAddString and mqSetString calls, the special value MQBL_NULL_TERMINATED is also valid.

6112 (X'17E0') MQRC_BUFFER_NOT_AUTOMATIC

Explanation: A user-defined (and managed) buffer cannot be resized. A user-defined buffer can only be replaced or withdrawn. A buffer must be automatic (system-managed) before it can be resized.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

Programmer Response:

2219 (X'08AB') MQRC_CALL_IN_PROGRESS

Explanation: 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.

| Concurrent calls can arise when an application uses
| multiple threads, or when an exit is invoked as part of
| the processing of an MQI call. For example, a
| data-conversion exit invoked as part of the processing
| of the MQGET call may try to issue an MQI call.
| • On z/OS, 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 that is waiting), and there is an
| end-of-task exit routine that issues another MQI call.
| • On OS/2 and Windows, concurrent calls can also
| arise if an MQI call is issued in response to a user
| message while another MQI call is in progress.
| • If the application is using multiple threads with
| shared handles, MQRC_CALL_IN_PROGRESS occurs
| when the handle specified on the call is already in
| use by another thread and
| MQCNO_HANDLE_SHARE_NO_BLOCK was
| specified on the MQCONNEX call.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that an MQI call cannot be issued while another one is active. Do not issue MQI calls from within a data-conversion exit.

- On z/OS, if you want to provide a subtask to allow an application that is waiting for a message to arrive to be canceled, wait for the message by using MQGET with MQGMO_SET_SIGNAL, rather than MQGMO_WAIT.
-

2277 (X'08E5') MQRC_CD_ERROR

Explanation: An MQCONNEX call was issued to connect to a queue manager, but the MQCD channel definition structure addressed by the *ClientConnOffset* or *ClientConnPtr* field in MQCNO contains data that is not valid. Consult the error log for more information about the nature of the error.

| This reason code occurs in the following environments:
| AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
| plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that input fields in the MQCD structure are set correctly.

2345 (X'0929') MQRC_CF_NOT_AVAILABLE

Explanation: An MQOPEN or MQPUT1 call was issued to access a shared queue, but the allocation of the coupling-facility structure specified in the queue definition failed because there is no suitable coupling facility to hold the structure, based on the preference

Completion and reason codes

list in the active CFRM policy.

- | This reason code can also occur when the API call
- | requires a capability that is not supported by the CF
- | level defined in the coupling-facility structure object.
- | For example, this reason code is returned by an attempt
- | to open a shared queue that has a index type of
- | MQIT_GROUP_ID, but the coupling-facility structure
- | for the queue has a CF level lower than three.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Make available a coupling facility with one of the names specified in the CFRM policy, or modify the CFRM policy to specify the names of coupling facilities that are available.

2348 (X'092C') MQRC_CF_STRUC_AUTH_FAILED

Explanation: An MQOPEN or MQPUT1 call was issued to access a shared queue, but the call failed because the user is not authorized to access the coupling-facility structure specified in the queue definition.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Modify the security profile for the user identifier used by the application so that the application can access the coupling-facility structure specified in the queue definition.

2349 (X'092D') MQRC_CF_STRUC_ERROR

Explanation: An MQOPEN or MQPUT1 call was issued to access a shared queue, but the call failed because the coupling-facility structure name specified in the queue definition is not defined in the CFRM data set, or is not the name of a list structure.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Modify the queue definition to specify the name of a coupling-facility list structure that is defined in the CFRM data set.

| 2373 (X'0945') MQRC_CF_STRUC_FAILED

- | **Explanation:** An MQI call was issued to access a
- | shared queue, but the call failed because the
- | coupling-facility structure used for the shared queue
- | had failed.

- | This reason code occurs only on %envmvs;.

- | **Completion Code:** MQCC_FAILED

- | **Programmer Response:** Report the problem to the
- | operator or administrator, who should use the MQSC
- | command RECOVER CFSTRUCT to initiate recovery of
- | the coupling-facility structure

2346 (X'092A') MQRC_CF_STRUC_IN_USE

Explanation: An MQI call was issued to operate on a shared queue, but the call failed because the coupling-facility structure specified in the queue definition is temporarily unavailable. The coupling-facility structure can be unavailable because a structure dump is in progress, or new connectors to the structure are currently inhibited, or an existing connector to the structure failed or disconnected abnormally and clean-up is not yet complete.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: The problem is temporary; wait a short while and then retry the operation.

2347 (X'092B')

MQRC_CF_STRUC_LIST_HDR_IN_USE

Explanation: An MQGET, MQOPEN, MQPUT1, or MQSET call was issued to access a shared queue, but the call failed because the list header associated with the coupling-facility structure specified in the queue definition is temporarily unavailable. The list header is unavailable because it is undergoing recovery processing.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: The problem is temporary; wait a short while and then retry the operation.

| 2395 (X'095B') MQRC_CFBS_ERROR

- | **Explanation:** An MQPUT or MQPUT1 call was issued,
- | but the message data contains an MQCFBS structure
- | that is not valid.

- | This reason code occurs in the following environments:
- | AIX, HP-UX, OS/2, OS/400, Solaris, Windows, plus
- | WebSphere MQ clients connected to these systems.

- | **Completion Code:** MQCC_FAILED

- | **Programmer Response:** Check that the fields in the
- | structure are set correctly.

2235 (X'08BB') MQRC_CFH_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the message data contains an MQCFH structure that is not valid.

- | This reason code occurs in the following environments:
- | AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
- | Windows, plus WebSphere MQ clients connected to
- | these systems.

Completion Code: MQCC_FAILED

Programmer Response: Check that the fields in the structure are set correctly.

2236 (X'08BC') MQRC_CFIL_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the message data contains an MQCFIL structure that is not valid.

- | This reason code occurs in the following environments:
- | AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
- | plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Check that the fields in the structure are set correctly.

2237 (X'08BD') MQRC_CFIN_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the message data contains an MQCFIN structure that is not valid.

- | This reason code occurs in the following environments:
- | AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
- | Windows, plus WebSphere MQ clients connected to
- | these systems.

Completion Code: MQCC_FAILED

Programmer Response: Check that the fields in the structure are set correctly.

2238 (X'08BE') MQRC_CFSL_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the message data contains an MQCFSL structure that is not valid.

- | This reason code occurs in the following environments:
- | AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
- | plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Check that the fields in the structure are set correctly.

2239 (X'08BF') MQRC_CFST_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the message data contains an MQCFST structure that is not valid.

- | This reason code occurs in the following environments:
- | AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
- | plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Check that the fields in the structure are set correctly.

2295 (X'08F7') QRC_CHANNEL_ACTIVATED

Explanation: This condition is detected when a channel that 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.

This event is not generated for a channel that is able to become active without waiting for an active slot to be released.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2234 (X'08BA') QRC_CHANNEL_AUTO_DEF_ERROR

Explanation: This condition is detected when the automatic definition of a channel fails; this may 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.

- | This reason code occurs in the following environments:
- | AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
- | plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_WARNING

Programmer Response: Examine the additional information returned in the event message to determine the reason for the failure.

2233 (X'08B9') QRC_CHANNEL_AUTO_DEF_OK

Explanation: This condition is detected when the automatic definition of a channel is successful. The channel is defined by the MCA.

- | This reason code occurs in the following environments:
- | AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
- | plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2284 (X'08EC') QRC_CHANNEL_CONV_ERROR

Explanation: 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.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

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2296 (X'08F8') QRC_CHANNEL_NOT_ACTIVATED

Explanation: 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.

- On z/OS, the maximum number of active channels is given by the ACTCHL parameter in CSQXPARM.
- In other environments, the maximum number of active channels is given by the MaxActiveChannels parameter in the qm.ini file.

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.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2371 (X'0943') MQRC_CHANNEL_SSL_ERROR

Explanation: This condition is detected when a connection cannot be established due to an SSL key-exchange or authentication failure.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2282 (X'08EA') MQRC_CHANNEL_STARTED

Explanation: One of the following has occurred:

- An operator has issued a Start Channel command.
- An instance of a channel has been successfully established. This condition is detected when Initial Data negotiation is complete and resynchronization has been performed where necessary such that message transfer can proceed.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2283 (X'08EB') MQRC_CHANNEL_STOPPED

Explanation: This condition is detected when the channel has been stopped. The reason qualifier identifies the reasons for stopping.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2279 (X'08E7')

MQRC_CHANNEL_STOPPED_BY_USER

Explanation: This condition is detected when the channel has been stopped by an operator. The reason qualifier identifies the reasons for stopping.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2006 (X'07D6')

MQRC_CHAR_ATTR_LENGTH_ERROR

Explanation: *CharAttrLength* 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.)

Completion Code: MQCC_FAILED

Programmer Response: Specify a value large enough to hold the concatenated strings for all selected attributes.

2007 (X'07D7') MQRC_CHAR_ATTRS_ERROR

Explanation: *CharAttrs* 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 *CharAttrLength*. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

Completion Code: MQCC_FAILED

Programmer Response: Correct the parameter.

2008 (X'07D8') MQRC_CHAR_ATTRS_TOO_SHORT

Explanation: For MQINQ calls, *CharAttrLength* is not large enough to contain all of the character attributes for which MQCA.* selectors are specified in the *Selectors* parameter.

The call still completes, with the *CharAttrs* 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.

An attribute that represents a set of values (for example, the namelist *Names* attribute) is treated as a single entity—either all of its values are returned, or none.

Completion Code: MQCC_WARNING

Programmer Response: Specify a large enough value,

unless only a subset of the values is needed.

2340 (X'0924') MQRC_CHAR_CONVERSION_ERROR

Explanation: This reason code is returned by the Java MQQueueManager constructor when a required character-set conversion is not available. The conversion required is between two nonUnicode character sets.

This reason code occurs in the following environment:
MQ Classes for Java on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the National Language Resources component of the OS/390 Language Environment is installed, and that conversion between the IBM-1047 and ISO8859-1 character sets is available.

2187 (X'088B') MQRC_CICS_BRIDGE_RESTRICTION

Explanation: It is not permitted to issue MQI calls from user transactions that are run in an MQ/CICS-bridge environment where the bridge exit also issues MQI calls. The MQI call fails. If this occurs in the bridge exit, it will result in a transaction abend. If it occurs in the user transaction, this may result in a transaction abend.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: The transaction cannot be run using the MQ/CICS bridge. Refer to the appropriate CICS manual for information about restrictions in the MQ/CICS bridge environment.

2140 (X'085C') MQRC_CICS_WAIT_FAILED

Explanation: On any MQI call, the CICS adapter issued an EXEC CICS WAIT request, but the request was rejected by CICS.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: 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.

2278 (X'08E6') MQRC_CLIENT_CONN_ERROR

Explanation: An MQCONN or MQCONNX call was issued to connect to a queue manager, but the MQCD channel definition structure is not specified correctly. One of the following applies:

- *ClientConnOffset* is not zero and *ClientConnPtr* is not zero and not the null pointer.
- *ClientConnPtr* is not a valid pointer.

- *ClientConnPtr* or *ClientConnOffset* points to storage that is not accessible.

| This reason code occurs in the following environments:
| AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
| plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that at least one of *ClientConnOffset* and *ClientConnPtr* is zero. Ensure that the field used points to accessible storage.

2266 (X'08DA') MQRC_CLUSTER_EXIT_ERROR

Explanation: 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 *ClusterWorkloadExit* attribute failed unexpectedly or did not respond in time. Subsequent MQOPEN, MQPUT, and MQPUT1 calls for this queue handle are processed as though the *ClusterWorkloadExit* attribute were blank.

- On z/OS, a message giving more information about the error is written to the system log, for example message CSQV455E or CSQV456E.

| This reason code occurs in the following environments:
| AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
| Windows, plus WebSphere MQ clients connected to
| these systems.

Completion Code: MQCC_FAILED

Programmer Response: Check the cluster workload exit to ensure that it has been written correctly.

2267 (X'08DB') MQRC_CLUSTER_EXIT_LOAD_ERROR

| **Explanation:** An MQCONN or MQCONNX call was
| issued to connect to a queue manager, but the queue
| manager was unable to load the cluster workload exit.
| Execution continues without the cluster workload exit.

- On z/OS, if the cluster workload exit cannot be loaded, a message is written to the system log, for example message CSQV453I. Processing continues as though the *ClusterWorkloadExit* attribute had been blank.

| This reason code occurs in the following environments:
| AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
| plus WebSphere MQ clients connected to these systems.

| **Completion Code:** MQCC_WARNING

Programmer Response: Ensure that the queue-manager's *ClusterWorkloadExit* attribute has the correct value, and that the exit has been installed into the correct location.

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2268 (X'08DC') MQRC_CLUSTER_PUT_INHIBITED

Explanation: An MQOPEN call with the MQOO_OUTPUT and MQOO_BIND_ON_OPEN options in effect was issued for a cluster queue, but the call failed because all of the following are true:

- All instances of the cluster queue are currently put-inhibited (that is, all of the queue instances have the *InhibitPut* attribute set to MQQA_PUT_INHIBITED).
- 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.)

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 may fail if all of the queues are still put-inhibited at the time of the MQPUT call.

| This reason code occurs in the following environments:
| AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
| Windows, plus WebSphere MQ clients connected to
| these systems.

Completion Code: MQCC_FAILED

Programmer Response: 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.

2189 (X'088D') MQRC_CLUSTER_RESOLUTION_ERROR

Explanation: 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.

| This reason code occurs in the following environments:
| AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
| Windows, plus WebSphere MQ clients connected to
| these systems.

Completion Code: MQCC_FAILED

Programmer Response: Check that the repository manager is operating and that the queue and channel definitions are correct.

2269 (X'08DD') MQRC_CLUSTER_RESOURCE_ERROR

Explanation: An MQOPEN, MQPUT, or MQPUT1 call was issued for a cluster queue, but an error occurred whilst trying to use a resource required for clustering.

| This reason code occurs in the following environments:
| AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
| Windows, plus WebSphere MQ clients connected to
| these systems.

Completion Code: MQCC_FAILED

Programmer Response: Do the following:

- 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 may give guidance as to the nature of the failure.
- Check that the repository queue manager is available.
- On z/OS, check the console for signs of the failure, such as full page sets.

2322 (X'0912') MQRC_CMD_SERVER_NOT_AVAILABLE

Explanation: The command server that processes administration commands is not available.

Completion Code: MQCC_FAILED

Programmer Response: Start the command server.

2139 (X'085B') MQRC_CNO_ERROR

Explanation: On an MQCONN call, the connect-options structure MQCNO is not valid, for one of the following reasons:

- The *StrucId* field is not MQCNO_STRUC_ID.
- The *Version* field specifies a value that is not valid or not supported.
- 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.

| This reason code occurs in the following environments:
| AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
| Windows, plus WebSphere MQ clients connected to
| these systems.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that input fields in the MQCNO structure are set correctly.

2106 (X'083A') MQRC_COD_NOT_VALID_FOR_XCF_Q

Explanation: An MQPUT or MQPUT1 call was issued, but the *Report* 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.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Remove the relevant MQRO_COD_* option.

2330 (X'091A')

MQRC_CODED_CHAR_SET_ID_ERROR

Explanation: The *CodedCharSetId* 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.)

Completion Code: MQCC_FAILED

Programmer Response: Correct the parameter.

2300 (X'08FC') **MQRC_COMMAND_TYPE_ERROR**

Explanation: The mqExecute call was issued, but the value of the MQIASY_TYPE data item in the administration bag is not MQCFT_COMMAND.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the MQIASY_TYPE data item in the administration bag has the value MQCFT_COMMAND.

2368 (X'0940') **MQRC_CONFIG_CHANGE_OBJECT**

Explanation: This condition is detected when an object is changed.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2367 (X'093F') **MQRC_CONFIG_CREATE_OBJECT**

Explanation: This condition is detected when an object is created.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2369 (X'0941') **MQRC_CONFIG_DELETE_OBJECT**

Explanation: This condition is detected when an object is deleted.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2370 (X'0942') **MQRC_CONFIG_REFRESH_OBJECT**

Explanation: This condition is detected when an object is refreshed.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2160 (X'0870') **MQRC_CONN_ID_IN_USE**

Explanation: On an MQCONN call, the connection identifier assigned by the queue manager 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:

- 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

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.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the naming conventions used in different systems that might connect to the queue manager do not conflict.

2271 (X'08DF') **MQRC_CONN_TAG_IN_USE**

Explanation: An MQCONN call was issued specifying one of the MQCNO_*_CONN_TAG_* options, but the call failed because the connection tag specified by *ConnTag* in MQCNO is in use by an active process or thread, or there is an unresolved unit of work that references this connection tag.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: The problem is likely to be transitory. The application should wait a short while and then retry the operation.

2344 (X'0928') **MQRC_CONN_TAG_NOT_RELEASED**

Explanation: An MQDISC call was issued when there was a unit of work outstanding for the connection handle. For CICS, IMS, and RRS connections, the MQDISC call does not commit or back out the unit of work. As a result, the connection tag associated with the unit of work is not yet available for reuse. The tag becomes available for reuse only when processing of the unit of work has been completed.

This reason code occurs only on z/OS.

Completion Code: MQCC_WARNING

Completion and reason codes

Programmer Response: Do not try to reuse the connection tag immediately. If the MQCONN call is issued with the same connection tag, and that tag is still in use, the call fails with reason code MQRC_CONN_TAG_IN_USE.

2350 (X'092E') MQRC_CONN_TAG_NOT_USABLE

Explanation: An MQCONN call was issued specifying one of the MQCNO_*_CONN_TAG_* options, but the call failed because the connection tag specified by *ConnTag* in MQCNO is being used by the queue manager for recovery processing, and this processing is delayed pending recovery of the coupling facility.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: The problem is likely to persist. Consult the system programmer to ascertain the cause of the problem.

2009 (X'07D9') MQRC_CONNECTION_BROKEN

Explanation: 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. All connection and object handles are now invalid.

For MQ client applications, it is possible that the call did complete successfully, even though this reason code is returned with a *CompCode* of MQCC_FAILED.

Completion Code: MQCC_FAILED

Programmer Response: Applications can attempt to reconnect to the queue manager by issuing the MQCONN or MQCONN call. It may be necessary to poll until a successful response is received.

- On z/OS for CICS applications, it is not necessary to issue the MQCONN or MQCONN call, because CICS applications are connected automatically.

Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.

2273 (X'08E1') MQRC_CONNECTION_ERROR

Explanation: An MQCONN or MQCONN call failed for one of the following reasons:

- The installation and customization options chosen for WebSphere MQ do not allow connection by the type of application being used.
- The system parameter module is not at the same release level as the queue manager.
- The channel initiator is not at the same release level as the queue manager.
- An internal error was detected by the queue manager.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: None, if the installation and customization options chosen for WebSphere MQ do not allow all functions to be used.

Otherwise, if this occurs while starting the channel initiator, ensure that the queue manager and the channel initiator are both at the same release level and that their started task JCL procedures both specify the same level of WebSphere MQ program libraries; if this occurs while starting the queue manager, relinkedit the system parameter module (CSQZPARM) to ensure that it is at the correct level. If the problem persists, contact your IBM support center.

2217 (X'08A9')

MQRC_CONNECTION_NOT_AUTHORIZED

Explanation: 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.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the subsystem is authorized to connect to the queue manager.

2202 (X'089A') MQRC_CONNECTION_QUIESCING

Explanation: 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:

- MQCONN or MQCONN on IMS (these calls do not return this reason code on CICS, as the calls cannot determine that the queue manager is shutting down)
- MQOPEN, with no connection established, or with MQOO_FAIL_IF_QUIESCING included in the *Options* parameter
- MQGET, with MQGMO_FAIL_IF_QUIESCING included in the *Options* field of the *GetMsgOpts* parameter
- MQPUT or MQPUT1, with MQPMO_FAIL_IF_QUIESCING included in the *Options* field of the *PutMsgOpts* parameter

MQRC_CONNECTION_QUIESCING is also issued by the message channel agent (MCA) when the queue manager is in quiescing state.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: The application should tidy up and terminate.

2203 (X'089B') MQRC_CONNECTION_STOPPING

Explanation: This reason code is issued for CICS and IMS applications when the connection to the queue manager is shutting down, and the application issues an MQI call. No more message-queuing calls can be issued.

- For the MQCONN or MQCONNX call, MQRC_CONNECTION_STOPPING is returned only on IMS. (These calls do not return this reason code on CICS, as the calls cannot determine that the queue manager is shutting down.)
- For the MQGET call, if the MQGMO_WAIT option was specified, the wait is canceled.

Note that the MQRC_CONNECTION_BROKEN reason may be returned instead if, as a result of system scheduling factors, the queue manager shuts down before the call completes.

MQRC_CONNECTION_STOPPING is also issued by the message channel agent (MCA) when the queue manager is shutting down.

For MQ client applications, it is possible that the call did complete successfully, even though this reason code is returned with a *CompCode* of MQCC_FAILED.

This reason code occurs on z/OS, plus WebSphere MQ clients connected to this system.

Completion Code: MQCC_FAILED

Programmer Response: The application should tidy up and terminate. Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.

2097 (X'0831') MQRC_CONTEXT_HANDLE_ERROR

Explanation: On an MQPUT or MQPUT1 call, MQPMO_PASS_IDENTITY_CONTEXT or MQPMO_PASS_ALL_CONTEXT was specified, but the handle specified in the *Context* field of the *PutMsgOpts* 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.

Completion Code: MQCC_FAILED

Programmer Response: Specify MQOO_SAVE_ALL_CONTEXT when the queue referred to is opened.

2098 (X'0832') MQRC_CONTEXT_NOT_AVAILABLE

Explanation: On an MQPUT or MQPUT1 call, MQPMO_PASS_IDENTITY_CONTEXT or MQPMO_PASS_ALL_CONTEXT was specified, but the queue handle specified in the *Context* field of the *PutMsgOpts* 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.

This condition does not arise if the message that was last retrieved had no context associated with it.

- On z/OS, if a message is received by a message channel agent that is putting messages with the authority of the user identifier in the message, this code is returned in the *Feedback* field of an exception report if the message has no context associated with it.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that a successful nonbrowse get call has been issued with the queue handle referred to.

6121 (X'17E9')

MQRC_CONTEXT_OBJECT_NOT_VALID

Explanation: The *ImqPutMessageOptions context reference* does not reference a valid *ImqQueue* object. The object has been previously destroyed.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

6122 (X'17EA') MQRC_CONTEXT_OPEN_ERROR

Explanation: The *ImqPutMessageOptions context reference* references an *ImqQueue* object that could not be opened to establish a context. This may be because the *ImqQueue* object has inappropriate **open options**. Inspect the referenced object **reason code** to establish the cause.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

2120 (X'0848') MQRC_CONVERTED_MSG_TOO_BIG

Explanation: On an MQGET call with the MQGMO_CONVERT option included in the *GetMsgOpts* 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.

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The message is returned unconverted, with the *CompCode* 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 may 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.

This reason can also occur on the MQXCNCV call, when the *TargetBuffer* 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 *DataLength* parameter; in the case of a DBCS string or mixed SBCS/DBCS string, this length may be *less than* the length of *TargetBuffer*.

Completion Code: MQCC_WARNING

Programmer Response: For the MQGET call, check that the exit is converting the message data correctly and setting the output length *DataLength* to the appropriate value. If it is, the application issuing the MQGET call must provide a larger buffer for the *Buffer* parameter.

For the MQXCNCV call, if the string must be converted without truncation, provide a larger output buffer.

2190 (X'088E')

MQRC_CONVERTED_STRING_TOO_BIG

Explanation: On an MQGET call with the MQGMO_CONVERT option included in the *GetMsgOpts* 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 insufficient characters that could be discarded.

| 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.)

The message is returned unconverted, with the *CompCode* 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 may 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.

This reason code does not occur if the string could be made to fit by discarding trailing blank characters.

Completion Code: MQCC_WARNING

Programmer Response: 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.

2207 (X'089F') MQRC_CORREL_ID_ERROR

Explanation: An MQGET call was issued to retrieve a message using the correlation identifier as a selection criterion, but the call failed because selection by correlation identifier is not supported on this queue.

- On z/OS, the queue is a shared queue, but the *IndexType* queue attribute does not have an appropriate value:
 - If selection is by correlation identifier alone, *IndexType* must have the value MQIT_CORREL_ID.
 - If selection is by correlation identifier and message identifier combined, *IndexType* must have the value MQIT_CORREL_ID or MQIT_MSG_ID.
- On Compaq NonStop Kernel, a key file is required but has not been defined.

Completion Code: MQCC_FAILED

Programmer Response: Do one of the following:

- On z/OS, change the *IndexType* queue attribute to MQIT_CORREL_ID.
- On Compaq NonStop Kernel, define a key file.
- Modify the application so that it does not use selection by correlation identifier: set the *CorrelId* field to MQCI_NONE and do not specify MQMO_MATCH_CORREL_ID in MQGMO.

2382 (X'094E') MQRC_CRYPTOHARDWARE_ERROR

| **Explanation:** On an MQCONN or MQCONNX call,
| the configuration string for the cryptographic hardware
| is not valid, or results in an error when used to
| configure the cryptographic hardware. The
| configuration string is specified by one of the
| following:

- | • The value of the MQSSLCRYP environment variable (MQCONN or MQCONNX call), or
- | • The value of the *CryptoHardware* field in the MQSCO structure (MQCONNX call only).

| For the MQCONNX call, if both MQSSLCRYP and
| *CryptoHardware* are specified, the latter is used.

- | This reason code occurs in the following environments:
- | AIX, HP-UX, Solaris, Windows.
- | **Completion Code:** MQCC_FAILED
- | **Programmer Response:** Specify a valid configuration string for the cryptographic hardware.

2357 (X'0935') QRC_CURRENT_RECORD_ERROR

Explanation: An MQXCLWLN call was issued from a cluster workload exit to obtain the address of the next record in the chain, but the address specified by the *CurrentRecord* parameter is not the address of a valid record. *CurrentRecord* must be the address of a destination record (MQWDR), queue record (MQWQR), or cluster record (MQWCR) residing within the cluster cache.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the cluster workload exit passes the address of a valid record residing in the cluster cache.

6105 (X'17D9') MQRC_CURSOR_NOT_VALID

Explanation: The browse cursor for an open queue has been invalidated since it was last used by an implicit reopen.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

Programmer Response: Set the *ImqObject* open options explicitly to cover all eventualities so that implicit reopening is not required.

2010 (X'07DA') MQRC_DATA_LENGTH_ERROR

Explanation: The *DataLength* 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.)

- | This reason can also be returned to an MQ client program on the MQGET, MQPUT, or MQPUT1 call, if the *BufferLength* parameter exceeds the maximum message size that was negotiated for the client channel.

Completion Code: MQCC_FAILED

Programmer Response: Correct the parameter.

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.

6115 (X'17E3') MQRC_DATA_TRUNCATED

Explanation: Data has been truncated when copying from one buffer to another. This might be because the target buffer cannot be resized, or because there is a problem addressing one or other buffer, or because a buffer is being downsized with a smaller replacement.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

2150 (X'0866') MQRC_DBCS_ERROR

Explanation: An error was encountered attempting to convert a double-byte character set (DBCS) string. This can occur in the following cases:

- On the MQXCNCV call, when the *SourceCCSID* parameter specifies the coded character-set identifier of a double-byte character set, but the *SourceBuffer* parameter does not contain a valid DBCS string. This may be because the string contains characters that 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. The completion code is MQCC_FAILED in this case.
- On the MQGET call, when the MQGMO_CONVERT option is specified. In this case it indicates that the MQRC_DBCS_ERROR reason code was returned by an MQXCNCV call issued by the data conversion exit. The completion code is MQCC_WARNING in this case.

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: Specify a valid string.

If the reason code occurs on the MQGET call, check that the data in the message is valid, and that the logic in the data-conversion exit is correct.

2342 (X'0926') MQRC_DB2_NOT_AVAILABLE

Explanation: An MQOPEN, MQPUT1, or MQSET call was issued to access a shared queue, but the call failed because the queue manager is not connected to a DB2 subsystem. As a result, the queue manager is unable to access the object definition relating to the shared queue.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Configure the DB2 subsystem so that the queue manager can connect to it.

2198 (X'0896') MQRC_DEF_XMIT_Q_TYPE_ERROR

Explanation: 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,

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but in either case the *XmitQName* attribute in the local definition is blank.

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 *DefXmitQName* queue-manager attribute, it is not a local queue.

Completion Code: MQCC_FAILED

Programmer Response: Do one of the following:

- Specify a local transmission queue as the value of the *XmitQName* attribute in the local definition of the remote queue.
- Define a local transmission queue with a name that is the same as that of the remote queue manager.
- Specify a local transmission queue as the value of the *DefXmitQName* queue-manager attribute.

See the *WebSphere MQ Application Programming Guide* for more information.

2199 (X'0897') MQRC_DEF_XMIT_Q_USAGE_ERROR

Explanation: 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 *XmitQName* attribute in the local definition is blank.

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 *DefXmitQName* queue-manager attribute does not have a *Usage* attribute of MQUS_TRANSMISSION.

Completion Code: MQCC_FAILED

Programmer Response: Do one of the following:

- Specify a local transmission queue as the value of the *XmitQName* attribute in the local definition of the remote queue.
- Define a local transmission queue with a name that is the same as that of the remote queue manager.
- Specify a different local transmission queue as the value of the *DefXmitQName* queue-manager attribute.
- Change the *Usage* attribute of the *DefXmitQName* queue to MQUS_TRANSMISSION.

See the *WebSphere MQ Application Programming Guide* for more information.

2263 (X'08D7') MQRC_DEST_ENV_ERROR

Explanation: 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:

- *DestEnvLength* is less than zero.
- *DestEnvLength* is greater than zero, but there is no destination environment data.
- *DestEnvLength* is greater than zero, but *DestEnvOffset* is negative, zero, or less than the length of the fixed part of MQRMH.
- *DestEnvLength* is greater than zero, but *DestEnvOffset* plus *DestEnvLength* is greater than *StrucLength*.

The exit returns this reason in the *Feedback* field of the MQCXP structure. If an exception report is requested, it is copied to the *Feedback* field of the MQMD associated with the report.

| This reason code occurs in the following environments:
| AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
| plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Specify the destination environment data correctly.

2264 (X'08D8') MQRC_DEST_NAME_ERROR

Explanation: 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:

- *DestNameLength* is less than zero.
- *DestNameLength* is greater than zero, but there is no destination name data.
- *DestNameLength* is greater than zero, but *DestNameOffset* is negative, zero, or less than the length of the fixed part of MQRMH.
- *DestNameLength* is greater than zero, but *DestNameOffset* plus *DestNameLength* is greater than *StrucLength*.

The exit returns this reason in the *Feedback* field of the MQCXP structure. If an exception report is requested, it is copied to the *Feedback* field of the MQMD associated with the report.

| This reason code occurs in the following environments:
| AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
| plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Specify the destination name data correctly.

2135 (X'0857') MQRC_DH_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the message data contains an MQDH structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQDH_STRUC_ID.
- The *Version* field is not MQDH_VERSION_1.

- The *StrucLength* field specifies a value that is too small to include the structure plus the arrays of MQOR and MQPMR records.
- The *CodedCharSetId* field is zero, or a negative value that is not valid.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

This reason code occurs in the following environments:
AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Check that the fields in the structure are set correctly. Ensure that the application sets the *CodedCharSetId* field to a valid value (note: MQCCSI_DEFAULT, MQCCSI_EMBEDDED, MQCCSI_Q_MGR, and MQCCSI_UNDEFINED are *not* valid in this field).

6126 (X'17EE') MQRC_DISTRIBUTION_LIST_EMPTY

Explanation: An ImqDistributionList failed to open because there are no ImqQueue objects referenced.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

Programmer Response: Establish at least one ImqQueue object in which the **distribution list reference** addresses the ImqDistributionList object, and retry.

2141 (X'085D') MQRC_DLH_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the message data contains an MQDLH structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQDLH_STRUC_ID.
- The *Version* field is not MQDLH_VERSION_1.
- The *CodedCharSetId* field is zero, or a negative value that is not valid.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

This reason code occurs in the following environments:
AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
Windows, plus WebSphere MQ clients connected to
these systems.

Completion Code: MQCC_FAILED

Programmer Response: Check that the fields in the structure are set correctly. Ensure that the application sets the *CodedCharSetId* field to a valid value (note: MQCCSI_DEFAULT, MQCCSI_EMBEDDED, MQCCSI_Q_MGR, and MQCCSI_UNDEFINED are *not* valid in this field).

2163 (X'0873') MQRC_DUPLICATE_RECOV_COORD

Explanation: On an MQCONN or MQCONNX call, a recovery coordinator already exists for the connection name specified on the connection call issued by the adapter.

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.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the naming conventions used in different systems that might connect to the queue manager do not conflict.

2011 (X'07DB') MQRC_DYNAMIC_Q_NAME_ERROR

Explanation: On the MQOPEN call, a model queue is specified in the *ObjectName* field of the *ObjDesc* parameter, but the *DynamicQName* field is not valid, for one of the following reasons:

- *DynamicQName* is completely blank (or blank up to the first null character in the field).
- 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 that are not null and not blank.

This reason code can also sometimes occur when a server application opens the reply queue specified by the *ReplyToQ* and *ReplyToQMGr* fields in the MQMD of a message that the server has just received. In this case the reason code indicates that the application that sent the original message placed incorrect values into the *ReplyToQ* and *ReplyToQMGr* fields in the MQMD of the original message.

Completion Code: MQCC_FAILED

Programmer Response: Specify a valid name.

6106 (X'17DA') MQRC_ENCODING_ERROR

Explanation: The encoding of the (next) message item needs to be MQENC_NATIVE for pasting.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

2308 (X'0904')

MQRC_ENCODING_NOT_SUPPORTED

Explanation: The *Encoding* field in the message descriptor MQMD contains a value that is not supported:

Completion and reason codes

- For the mqPutBag call, the field in error resides in the *MsgDesc* parameter of the call.
- For the mqGetBag call, the field in error resides in:
 - The *MsgDesc* 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 *not* specified.

Completion Code: MQCC_FAILED

Programmer Response: The value must be MQENC_NATIVE.

If the value of the *Encoding* field in the message is not valid, the message cannot be retrieved using the mqGetBag call:

- 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.

2012 (X'07DC') MQRC_ENVIRONMENT_ERROR

Explanation: The call is not valid for the current environment.

- On z/OS, one of the following applies:
 - An MQCONN or MQCONNX call was issued, but the application has 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 DB2 Stored Procedure address space. RRS is not supported in this environment. Stored Procedures wishing to use the MQ RRS adapter must run in a DB2 WLM-managed Stored Procedure address space.
 - An MQCMIT or MQBACK call was issued, but the application has been linked with the RRS batch adapter CSQBRSTB. This adapter does not support the MQCMIT and MQBACK calls.
 - An MQCMIT or MQBACK call was issued in the CICS or IMS environment.
 - The RRS subsystem is not up and running on the z/OS system that ran the application.
- On Compaq OpenVMS Alpha, OS/2, OS/400, Compaq NonStop Kernel, UNIX systems, and Windows, one of the following applies:
 - 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. For example, this reason code occurs on Windows when an MTS object is running as a DTC transaction. This reason code also occurs if the queue manager does not support units of work.

- The MQBEGIN call was issued in an MQ client environment.
- An MQXCLWLN call was issued, but the call did not originate from a cluster workload exit.

Completion Code: MQCC_FAILED

Programmer Response: Do one of the following (as appropriate):

- On z/OS:
 - Link the application with the correct adapter.
 - Modify the application to use the SRRRCMIT and SRRBACK calls in place of the MQCMIT and MQBACK calls. Alternatively, link the application with the RRS batch adapter CSQBRRSI. This adapter supports MQCMIT and MQBACK in addition to SRRRCMIT and SRRBACK.
 - For a CICS or IMS application, issue the appropriate CICS or IMS call to commit or backout the unit of work.
 - Start the RRS subsystem on the z/OS system that is running the application.
- In the other environments:
 - Link the application with the correct libraries (threaded or nonthreaded).
 - Remove from the application the call that is not supported.

2377 (X'0949') MQRC_EXIT_REASON_ERROR

Explanation: An MQXEP call was issued by an API exit function, but the value specified for the *ExitReason* parameter is either not valid, or not supported for the specified function identifier *Function*.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Windows.

Completion Code: MQCC_FAILED

Programmer Response: Modify the exit function to specify a value for *ExitReason* that is valid for the specified value of *Function*.

2013 (X'07DD') MQRC_EXPIRY_ERROR

Explanation: On an MQPUT or MQPUT1 call, the value specified for the *Expiry* field in the message descriptor MQMD is not valid.

Completion Code: MQCC_FAILED

Programmer Response: Specify a value that is greater than zero, or the special value MQEI_UNLIMITED.

2014 (X'07DE') MQRC_FEEDBACK_ERROR

Explanation: On an MQPUT or MQPUT1 call, the value specified for the *Feedback* field in the message descriptor MQMD is not valid. The value is not MQFB_NONE, and is outside both the range defined for system feedback codes and the range defined for application feedback codes.

Completion Code: MQCC_FAILED

Programmer Response: Specify MQFB_NONE, or a value in the range MQFB_SYSTEM_FIRST through MQFB_SYSTEM_LAST, or MQFB_APPL_FIRST through MQFB_APPL_LAST.

2208 (X'08A0') MQRC_FILE_SYSTEM_ERROR

Explanation: An unexpected return code was received from the file system, in attempting to perform an operation on a queue.

This reason code occurs only on VSE/ESA.

Completion Code: MQCC_FAILED

Programmer Response: 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.

2110 (X'083E') MQRC_FORMAT_ERROR

Explanation: An MQGET call was issued with the MQGMO_CONVERT option specified in the *GetMsgOpts* parameter, but the message cannot be converted successfully due to an error associated with the message format. Possible errors include:

- The format name in the message is MQFMT_NONE.
- A user-written exit with the name specified by the *Format* field in the message cannot be found.
- The message contains data that is not consistent with the format definition.

The message is returned unconverted to the application issuing the MQGET call, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC_WARNING.

If the message consists of several parts, each of which is described by its own *CodedCharSetId* and *Encoding* fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various *CodedCharSetId* and *Encoding* fields always correctly describe the relevant message data.

Completion Code: MQCC_WARNING

Programmer Response: 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.

2317 (X'090D') MQRC_FORMAT_NOT_SUPPORTED

Explanation: The *Format* field in the message descriptor MQMD contains a value that is not supported:

- For the mqPutBag call, the field in error resides in the *MsgDesc* parameter of the call.
- For the mqGetBag call, the field in error resides in the message descriptor of the message about to be retrieved.

Completion Code: MQCC_FAILED

Programmer Response: The value must be one of the following:

MQFMT_ADMIN
MQFMT_EVENT
MQFMT_PCF

If the value of the *Format* field in the message is none of these values, the message cannot be retrieved using the mqGetBag call:

- 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.

2281 (X'08E9') MQRC_FUNCTION_ERROR

Explanation: An MQXEP or MQZEP call was issued, but the function identifier *Function* specified on the call is not valid, or not supported by the installable service being configured.

- On z/OS, this reason code does not occur.

Completion Code: MQCC_FAILED

Programmer Response: Do the following:

- For the MQXEP call, specify one of the MQXF_* values.
- For the MQZEP call, specify an MQZID_* value that is valid for the installable service being configured. Refer to the description of the MQZEP call in the *WebSphere MQ System Administration Guide* book to determine which values are valid.

2298 (X'08FA') MQRC_FUNCTION_NOT_SUPPORTED

Explanation: The function requested is not available in the current environment.

Completion Code: MQCC_FAILED

Programmer Response: Remove the call from the application.

Completion and reason codes

2016 (X'07E0') MQRC_GET_INHIBITED

Explanation: MQGET calls are currently inhibited for the queue, or for the queue to which this queue resolves. See the *InhibitGet* queue attribute described in the *WebSphere MQ Application Programming Guide*.

Completion Code: MQCC_FAILED

Programmer Response: If the system design allows get requests to be inhibited for short periods, retry the operation later.

2351 (X'092F') MQRC_GLOBAL_UOW_CONFLICT

Explanation: An attempt was made to use inside a global unit of work a connection handle that is participating in another global unit of work. This can occur when an application passes connection handles between objects where the objects are involved in different DTC transactions. Because transaction completion is asynchronous, it is possible for this error to occur *after* the application has finalized the first object and committed its transaction.

This error does not occur for nontransactional MQI calls.

This reason code occurs only on Windows.

Completion Code: MQCC_FAILED

Programmer Response: Check that the “MTS Transaction Support” attribute defined for the object’s class is set correctly. If necessary, modify the application so that the connection handle is not used by objects participating in different units of work.

2186 (X'088A') MQRC_GMO_ERROR

Explanation: On an MQGET call, the MQGMO structure is not valid, for one of the following reasons:

- The *StrucId* field is not MQGMO_STRUC_ID.
- The *Version* field specifies a value that is not valid or not supported.
- 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.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that input fields in the MQGMO structure are set correctly.

2258 (X'08D2') MQRC_GROUP_ID_ERROR

Explanation: 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:

- MQPMO_LOGICAL_ORDER is not specified in the *Options* field in MQPMO.
- Either there are too few MQPMR records provided by MQPMO, or the *GroupId* field is not present in the MQPMR records.
- One or more of the following flags is specified in the *MsgFlags* field in MQMD or MQMDE:
 - MQMF_SEGMENTATION_ALLOWED
 - MQMF_*_MSG_IN_GROUP
 - MQMF_*_SEGMENT
- The *GroupId* field in MQMD or MQMDE is not MQGI_NONE.

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.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Specify MQGI_NONE for the *GroupId* field in MQMD or MQMDE. Alternatively, if the call is MQPUT specify MQPMO_LOGICAL_ORDER in the *Options* field in MQPMO.

2353 (X'0931') MQRC_HANDLE_IN_USE_FOR_UOW

Explanation: An attempt was made to use outside a unit of work a connection handle that is participating in a global unit of work.

This error can occur when an application passes connection handles between objects where one object is involved in a DTC transaction and the other is not. Because transaction completion is asynchronous, it is possible for this error to occur *after* the application has finalized the first object and committed its transaction.

This error can also occur when a single object that was created and associated with the transaction loses that association whilst the object is running. The association is lost when DTC terminates the transaction independently of MTS. This might be because the transaction timed out, or because DTC shut down.

This error does not occur for nontransactional MQI calls.

This reason code occurs only on Windows.

Completion Code: MQCC_FAILED

Programmer Response: Check that the “MTS Transaction Support” attribute defined for the object’s class is set correctly. If necessary, modify the application so that objects executing within different units of work do not try to use the same connection handle.

2017 (X'07E1') MQRC_HANDLE_NOT_AVAILABLE

Explanation: 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.

- On z/OS, “task” means a CICS task, a z/OS task, or an IMS-dependent region.

Completion Code: MQCC_FAILED

Programmer Response: 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.

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 *MaxHandles* queue manager attribute (see the *WebSphere MQ Application Programming Guide*).

2320 (X'0910') MQRC_HBAG_ERROR

Explanation: A call was issued that has 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.)

Completion Code: MQCC_FAILED

Programmer Response: Correct the parameter.

2280 (X'08E8') MQRC_HCONFIG_ERROR

Explanation: The configuration handle *Hconfig* specified on the MQXEP call or MQZEP call is not valid. The MQXEP call is issued by an API exit function; the MQZEP call is issued by an installable service.

- On z/OS, this reason code does not occur.

Completion Code: MQCC_FAILED

Programmer Response: Specify the configuration handle that was provided by the queue manager:

- On the MQXEP call, use the handle passed in the *Hconfig* field of the MQAXP structure.
- On the MQZEP call, use the handle passed to the installable service's configuration function on the component initialization call. See the *WebSphere MQ System Administration Guide* book for information about installable services.

2018 (X'07E2') MQRC_HCONN_ERROR

Explanation: The connection handle *Hconn* is not valid, for one of the following reasons:

- The parameter pointer is not valid, or (for the MQCONN or MQCONN 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.)
- The value specified was not returned by a preceding MQCONN or MQCONN call.
- The value specified has been made invalid by a preceding MQDISC call.
- The handle is a shared handle that has been made invalid by another thread issuing the MQDISC call.
- The handle is a shared handle that is being used on the MQBEGIN call (only nonshared handles are valid on MQBEGIN).
- The handle is a nonshared handle that is being used by a thread that did not create the handle.
- The call was issued in the MTS environment in a situation where the handle is not valid (for example, passing the handle between processes or packages; note that passing the handle between library packages is supported).

Completion Code: MQCC_FAILED

Programmer Response: Ensure that a successful MQCONN or MQCONN 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 (see the description of MQCONN in the *WebSphere MQ Application Programming Guide*).

- On z/OS, 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 the queue manager that is more recent than the release on which the application will run.

2142 (X'085E') MQRC_HEADER_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the message data contains an MQ header structure that is not valid. Possible errors include the following:

- The *StrucId* field is not valid.
- The *Version* field is not valid.
- The *StrucLength* field specifies a value that is too small.
- The *CodedCharSetId* field is zero, or a negative value that is not valid.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

Completion and reason codes

| This reason code occurs in the following environments:
| AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
| Windows, plus WebSphere MQ clients connected to
| these systems.

Completion Code: MQCC_FAILED

Programmer Response: Check that the fields in the structure are set correctly. Ensure that the application sets the *CodedCharSetId* field to a valid value (note: MQCCSI_DEFAULT, MQCCSI_EMBEDDED, MQCCSI_Q_MGR, and MQCCSI_UNDEFINED are *not* valid in this field).

2019 (X'07E3') MQRC_HOBJ_ERROR

Explanation: The object handle *Hobj* is not valid, for one of the following reasons:

- 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.)
- The value specified was not returned by a preceding MQOPEN call.
- The value specified has been made invalid by a preceding MQCLOSE call.
- The handle is a shared handle that has been made invalid by another thread issuing the MQCLOSE call.
- The handle is a nonshared handle that is being used a thread that did not create the handle.
- The call is MQGET or MQPUT, but the object represented by the handle is not a queue.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that a successful MQOPEN call is performed for this object, and that an MQCLOSE call has not already been performed for it. Ensure that the handle is being used within its valid scope (see the description of MQOPEN in the *WebSphere MQ Application Programming Guide*).

2148 (X'0864') MQRC_IIH_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the message data contains an MQIIH structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQIIH_STRUC_ID.
- The *Version* field is not MQIIH_VERSION_1.
- The *StrucLength* field is not MQIIH_LENGTH_1.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

| This reason code occurs in the following environments:
| AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
| Windows, plus WebSphere MQ clients connected to
| these systems.

Completion Code: MQCC_FAILED

Programmer Response: Check that the fields in the structure are set correctly.

2241 (X'08C1') MQRC_INCOMPLETE_GROUP

Explanation: 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:

- On the MQPUT call, when the application specifies MQPMO_LOGICAL_ORDER and attempts to put a message that is not in a group. The completion code is MQCC_FAILED in this case.
- On the MQPUT call, when the application does *not* specify MQPMO_LOGICAL_ORDER, but the previous MQPUT call for the queue handle did specify MQPMO_LOGICAL_ORDER. The completion code is MQCC_WARNING in this case.
- On the MQGET call, when the application does *not* specify MQGMO_LOGICAL_ORDER, but the previous MQGET call for the queue handle did specify MQGMO_LOGICAL_ORDER. The completion code is MQCC_WARNING in this case.
- On the MQCLOSE call, when the application attempts to close the queue that has the incomplete message group. The completion code is MQCC_WARNING in this case.

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.

| This reason code occurs in the following environments:
| AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
| Windows, plus WebSphere MQ clients connected to
| these systems.

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: 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.

2242 (X'08C2') MQRC_INCOMPLETE_MSG

Explanation: 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:

- On the MQPUT call, when the application specifies MQPMO_LOGICAL_ORDER and attempts to put a message that is not a segment, or that has a setting for the MQMF_LAST_MSG_IN_GROUP flag that is different from the previous message. The completion code is MQCC_FAILED in this case.
- On the MQPUT call, when the application does *not* specify MQPMO_LOGICAL_ORDER, but the previous MQPUT call for the queue handle did

specify MQPMO_LOGICAL_ORDER. The completion code is MQCC_WARNING in this case.

- On the MQGET call, when the application does *not* specify MQGMO_LOGICAL_ORDER, but the previous MQGET call for the queue handle did specify MQGMO_LOGICAL_ORDER. The completion code is MQCC_WARNING in this case.
- On the MQCLOSE call, when the application attempts to close the queue that has the incomplete logical message. The completion code is MQCC_WARNING in this case.

This reason code occurs in the following environments:
AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux, Windows, plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: 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.

2259 (X'08D3') MQRC_INCONSISTENT_BROWSE

Explanation: 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.

This reason code occurs in the following environments:
AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows, plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: 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, omitting or specifying MQGMO_LOGICAL_ORDER as required.

2243 (X'08C3') MQRC_INCONSISTENT_CCSDS

Explanation: An MQGET call was issued specifying the MQGMO_COMPLETE_MSG option, but the message to be retrieved consists of two or more segments that have differing values for the *CodedCharSetId* 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.

This reason code occurs in the following environments:

AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows, plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_WARNING

Programmer Response: Remove the MQGMO_COMPLETE_MSG option from the MQGET call and retrieve the remaining message segments one by one.

2244 (X'08C4')

MQRC_INCONSISTENT_ENCODINGS

Explanation: An MQGET call was issued specifying the MQGMO_COMPLETE_MSG option, but the message to be retrieved consists of two or more segments that have differing values for the *Encoding* 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.

This reason code occurs in the following environments:
AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows, plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_WARNING

Programmer Response: Remove the MQGMO_COMPLETE_MSG option from the MQGET call and retrieve the remaining message segments one by one.

6119 (X'17E7') MQRC_INCONSISTENT_FORMAT

Explanation: The format of the (next) message item is inconsistent with the class of object into which the item is being pasted.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

2313 (X'0909') MQRC_INCONSISTENT_ITEM_TYPE

Explanation: 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.

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.

Completion Code: MQCC_FAILED

Programmer Response: For the mqAddInteger and mqAddString calls, use the call appropriate to the data type of the first occurrence of that selector in the bag.

For the mqBufferToBag and mqGetBag calls, check the logic of the application that created the buffer or sent

Completion and reason codes

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:

- 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.

6120 (X'17E8')

MQRC_INCONSISTENT_OBJECT_STATE

Explanation: There is an inconsistency between this object, which is open, and the referenced `ImqQueueManager` object, which is not connected.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

6127 (X'17EF')

MQRC_INCONSISTENT_OPEN_OPTIONS

Explanation: A method failed because the object is open, and the `ImqObject` **open options** are inconsistent with the required operation. The object cannot be reopened implicitly because the `IMQ_IMPL_OPEN` flag of the `ImqObject` **behavior** class attribute is false.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

Programmer Response: Open the object with appropriate `ImqObject` **open options** and retry.

2185 (X'0889')

MQRC_INCONSISTENT_PERSISTENCE

Explanation: 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 *Persistence* field in `MQMD` is not consistent with the current group and segment information retained by the queue manager for the queue handle. All messages in a group and all segments in a logical message must have the same value for persistence, that is, all must be persistent, or all must be nonpersistent.

- | 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.

- | This reason code occurs in the following environments:
- | AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,

- | Windows, plus WebSphere MQ clients connected to
- | these systems.

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: Modify the application to ensure that the same value of persistence is used for all messages in the group, or all segments of the logical message.

2245 (X'08C5') MQRC_INCONSISTENT_UOW

Explanation: One of the following applies:

- 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.

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.

- 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.

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.

- | This reason code occurs in the following environments:
- | AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
- | Windows, plus WebSphere MQ clients connected to
- | these systems.

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: 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.

2314 (X'090A') MQRC_INDEX_ERROR

Explanation: An index parameter to a call or method has a value that is not valid. The value must be zero or greater. For bag calls, certain `MQIND_*` values can also be specified:

- 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.

Completion Code: `MQCC_FAILED`

Programmer Response: Specify a valid value.

2306 (X'0902') MQRC_INDEX_NOT_PRESENT

Explanation: The specified index is not present:

- For a bag, this means that the bag contains one or more data items that have the selector value specified by the *Selector* parameter, but none of them has the index value specified by the *ItemIndex* parameter. The data item identified by the *Selector* and *ItemIndex* parameters must exist in the bag.
- For a namelist, this means that the index parameter value is too large, and outside the range of valid values.

Completion Code: `MQCC_FAILED`

Programmer Response: Specify the index of a data item that does exist in the bag or namelist. Use the `mqCountItems` call to determine the number of data items with the specified selector that exist in the bag, or the `nameCount` method to determine the number of names in the namelist.

2020 (X'07E4') MQRC_INHIBIT_VALUE_ERROR

Explanation: On an `MQSET` call, the value specified for either the `MQIA_INHIBIT_GET` attribute or the `MQIA_INHIBIT_PUT` attribute is not valid.

Completion Code: `MQCC_FAILED`

Programmer Response: Specify a valid value. See the *InhibitGet* or *InhibitPut* attribute described in the *WebSphere MQ Application Programming Guide*.

2286 (X'08EE') MQRC_INITIALIZATION_FAILED

Explanation: This reason should be returned by an installable service component when the component is unable to complete initialization successfully.

- On z/OS, this reason code does not occur.

Completion Code: `MQCC_FAILED`

Programmer Response: Correct the error and retry the operation.

2324 (X'0914') MQRC_INQUIRY_COMMAND_ERROR

Explanation: 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.

Completion Code: `MQCC_FAILED`

Programmer Response: Remove the `mqAddInquiry` calls and use instead the `mqAddInteger` call with the appropriate `MQIACF_*_ATTRS` or `MQIACH_*_ATTRS` selectors.

6113 (X'17E1') MQRC_INSUFFICIENT_BUFFER

Explanation: There is insufficient buffer space available after the data pointer to accommodate the request. This might be because the buffer cannot be resized.

This reason code occurs in the MQSeries C++ environment.

Completion Code: `MQCC_FAILED`

6114 (X'17E2') MQRC_INSUFFICIENT_DATA

Explanation: There is insufficient data after the data pointer to accommodate the request.

This reason code occurs in the MQSeries C++ environment.

Completion Code: `MQCC_FAILED`

2021 (X'07E5') MQRC_INT_ATTR_COUNT_ERROR

Explanation: On an `MQINQ` or `MQSET` call, the *IntAttrCount* parameter is negative (`MQINQ` or `MQSET`), or smaller than the number of integer attribute selectors (`MQIA_*`) specified in the *Selectors* 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.)

Completion Code: `MQCC_FAILED`

Programmer Response: Specify a value large enough for all selected integer attributes.

2022 (X'07E6') MQRC_INT_ATTR_COUNT_TOO_SMALL

Explanation: On an `MQINQ` call, the *IntAttrCount* parameter is smaller than the number of integer attribute selectors (`MQIA_*`) specified in the *Selectors* parameter.

The call completes with `MQCC_WARNING`, with the *IntAttrs* array filled in with as many integer attributes as there is room for.

Completion Code: `MQCC_WARNING`

Programmer Response: Specify a large enough value, unless only a subset of the values is needed.

Completion and reason codes

2023 (X'07E7') MQRC_INT_ATTRS_ARRAY_ERROR

Explanation: On an MQINQ or MQSET call, the *IntAttrs* 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 *IntAttrCount* parameter (MQINQ only). (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

Completion Code: MQCC_FAILED

Programmer Response: Correct the parameter.

2246 (X'08C6')

MQRC_INVALID_MSG_UNDER_CURSOR

Explanation: 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 *Offset* field that is greater than zero. Because MQGMO_COMPLETE_MSG was specified, the message is not valid for retrieval.

| This reason code occurs in the following environments:
| AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
| plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Reposition the browse cursor so that it is located on a message whose *Offset* field in MQMD is zero. Alternatively, remove the MQGMO_COMPLETE_MSG option.

2316 (X'090C') MQRC_ITEM_COUNT_ERROR

Explanation: The mqTruncateBag call was issued, but the *ItemCount* 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.

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.)

Completion Code: MQCC_FAILED

Programmer Response: Specify a valid value. Use the mqCountItems call to determine the number of user-defined data items in the bag.

2327 (X'0917') MQRC_ITEM_TYPE_ERROR

Explanation: The mqInquireItemInfo call was issued, but the *ItemType* 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.)

Completion Code: MQCC_FAILED

Programmer Response: Correct the parameter.

2319 (X'090F') MQRC_ITEM_VALUE_ERROR

Explanation: The mqInquireBag or mqInquireInteger call was issued, but the *ItemValue* 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.)

Completion Code: MQCC_FAILED

Programmer Response: Correct the parameter.

2364 (X'093C') MQRC_JMS_FORMAT_ERROR

| **Explanation:** This reason code is generated when JMS
| encounters a message that it is unable to parse. If such
| a message is encountered by a JMS
| ConnectionConsumer, the message is processed as
| specified by the disposition options in the *Report* field
| in the MQMD of the message.

| If the *Report* field specifies one of the
| MQRO_EXCEPTION_* options, this reason code
| appears in the *Feedback* field of the report message. If
| the *Report* field specifies MQRO_DEAD_LETTER_Q, or
| the disposition report options are left as default, this
| reason code appears in the *Reason* field of the MQDLH.

| **Completion Code:** None

| **Programmer Response:** Investigate the origin of the
| message.

2397 (X'095D') MQRC_JSSE_ERROR

| **Explanation:** JSSE reported an error (for example,
| while connecting to a queue manager using SSL
| encryption). The MQException object containing this
| reason code references the Exception thrown by JSSE;
| this can be obtained by using the
| MQException.getCause() method. From JMS, the
| MQException is linked to the thrown JMSEException.

| This reason code occurs only with Java applications.

| **Completion Code:** MQCC_FAILED

| **Programmer Response:** Inspect the causal exception to
| determine the JSSE error.

2381 (X'094D') MQRC_KEY_REPOSITORY_ERROR

| **Explanation:** On an MQCONN or MQCONNX call,
| the location of the key repository is either not specified,
| not valid, or results in an error when used to access the
| key repository. The location of the key repository is
| specified by one of the following:

- The value of the MQSSLKEYR environment variable (MQCONN or MQCONNX call), or
- The value of the *KeyRepository* field in the MQSCO structure (MQCONNX call only).

For the MQCONNX call, if both MQSSLKEYR and *KeyRepository* are specified, the latter is used.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Windows.

Completion Code: MQCC_FAILED

Programmer Response: Specify a valid location for the key repository.

2390 (X'0956') MQRC_LDAP_PASSWORD_ERROR

Explanation: On an MQCONNX call, the *LDAPPassword* field in an MQAIR record specifies a value when no value is allowed.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Windows.

Completion Code: MQCC_FAILED

Programmer Response: Specify a value that is blank or null.

2388 (X'0954') MQRC_LDAP_USER_NAME_ERROR

Explanation: On an MQCONNX call, an LDAP user name in an MQAIR record is not specified correctly. One of the following applies:

- *LDAPUserNameLength* is greater than zero, but *LDAPUserNameOffset* is zero and *LDAPUserNamePtr* is the null pointer.
- *LDAPUserNameOffset* is nonzero and *LDAPUserNamePtr* is not the null pointer.
- *LDAPUserNamePtr* is not a valid pointer.
- *LDAPUserNameOffset* or *LDAPUserNamePtr* points to storage that is not accessible.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Windows.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that one of *LDAPUserNameOffset* or *LDAPUserNamePtr* is zero and the other nonzero. Ensure that the field used points to accessible storage.

2389 (X'0955') MQRC_LDAP_USER_NAME_LENGTH_ERR

Explanation: On an MQCONNX call, the *LDAPUserNameLength* field in an MQAIR record specifies a value that is less than zero.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Windows.

Completion Code: MQCC_FAILED

Programmer Response: Specify a value for *LDAPUserNameLength* that is zero or greater.

2352 (X'0930') MQRC_LOCAL_UOW_CONFLICT

Explanation: An attempt was made to use inside a global unit of work a connection handle that is participating in a queue-manager coordinated local unit of work. This can occur when an application passes connection handles between objects where one object is involved in a DTC transaction and the other is not.

This error does not occur for nontransactional MQI calls.

This reason code occurs only on Windows.

Completion Code: MQCC_FAILED

Programmer Response: Check that the “MTS Transaction Support” attribute defined for the object’s class is set correctly. If necessary, modify the application so that the connection handle is not used by objects participating in different units of work.

2247 (X'08C7') MQRC_MATCH_OPTIONS_ERROR

Explanation: An MQGET call was issued, but the value of the *MatchOptions* field in the *GetMsgOpts* parameter is not valid, for one of the following reasons:

- An undefined option is specified.
- All of the following are true:
 - MQGMO_LOGICAL_ORDER is specified.
 - There is a current message group or logical message for the queue handle.
 - Neither MQGMO_BROWSE_MSG_UNDER_CURSOR nor MQGMO_MSG_UNDER_CURSOR is specified.
 - One or more of the MQMO_* options is specified.
 - The values of the fields in the *MsgDesc* parameter corresponding to the MQMO_* options specified, differ from the values of those fields in the MQMD for the message to be returned next.
- On z/OS, one or more of the options specified is not valid for the index type of the queue.

This reason code occurs in the following environments:
AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux, Windows, plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that only valid options are specified for the field.

Completion and reason codes

2025 (X'07E9')

MQRC_MAX_CONNS_LIMIT_REACHED

Explanation: The MQCONN or MQCONNX call was rejected because the maximum number of concurrent connections has been exceeded.

- On z/OS, 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:
 - For TSO: IDFORE
 - For batch: IDBACK

For more information, see the *WebSphere MQ for z/OS System Setup Guide*.

- On Compaq OpenVMS Alpha, OS/2, OS/400, Compaq NonStop Kernel, UNIX systems, and Windows, this reason code can also occur on the MQOPEN call.
- When using Java applications, a limit to the number of concurrent connections may be defined by the connection manager.

Completion Code: MQCC_FAILED

Programmer Response: Either increase the size of the appropriate parameter value, or reduce the number of concurrent connections.

2026 (X'07EA') MQRC_MD_ERROR

Explanation: The MQMD structure is not valid, for one of the following reasons:

- The *StrucId* field is not MQMD_STRUC_ID.
- The *Version* field specifies a value that is not valid or not supported.
- 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.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that input fields in the MQMD structure are set correctly.

2248 (X'08C8') MQRC_MDE_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the message data contains an MQMDE structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQMDE_STRUC_ID.
- The *Version* field is not MQMDE_VERSION_2.
- The *StrucLength* field is not MQMDE_LENGTH_2.
- The *CodedCharSetId* field is zero, or a negative value that is not valid.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

This reason code occurs in the following environments:
AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux, Windows, plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Check that the fields in the structure are set correctly. Ensure that the application sets the *CodedCharSetId* field to a valid value (note: MQCCSI_DEFAULT, MQCCSI_EMBEDDED, MQCCSI_Q_MGR, and MQCCSI_UNDEFINED are *not* valid in this field).

2027 (X'07EB') MQRC_MISSING_REPLY_TO_Q

Explanation: On an MQPUT or MQPUT1 call, the *ReplyToQ* field in the message descriptor MQMD is blank, but one or both of the following is true:

- A reply was requested (that is, MQMT_REQUEST was specified in the *MsgType* field of the message descriptor).
- A report message was requested in the *Report* field of the message descriptor.

Completion Code: MQCC_FAILED

Programmer Response: Specify the name of the queue to which the reply message or report message is to be sent.

2332 (X'091C') MQRC_MISSING_WIH

Explanation: An MQPUT or MQPUT1 call was issued to put a message on a queue whose *IndexType* attribute had the value MQIT_MSG_TOKEN, but the *Format* field in the MQMD was not MQFMT_WORK_INFO_HEADER. This error occurs only when the message arrives at the destination queue manager.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Modify the application to ensure that it places an MQWIH structure at the start of the message data, and sets the *Format* field in the MQMD to MQFMT_WORK_INFO_HEADER. Alternatively, change the *ApplType* attribute of the process definition used by the destination queue to be MQAT_WLM, and specify the required service name and service step name in its *EnvData* attribute.

2249 (X'08C9') MQRC_MSG_FLAGS_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the *MsgFlags* field in the message descriptor MQMD contains one or more message flags that 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; see Appendix E of the *WebSphere MQ Application Programming Guide* for more details.

This reason code can also occur in the *Feedback* field in the MQMD of a report message, or in the *Reason* 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.

This reason code occurs in the following environments:
AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
Windows, plus WebSphere MQ clients connected to
these systems.

Completion Code: MQCC_FAILED

Programmer Response: Do the following:

- Ensure that the *MsgFlags* 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.
- Ensure that the message flags specified are ones that are documented in this book; see the *MsgFlags* field described in Appendix E of the *WebSphere MQ Application Programming Guide* for valid message flags. Remove any message flags that are not documented in this book.
- If multiple message flags are being set by adding the individual message flags together, ensure that the same message flag is not added twice.
- On z/OS, ensure that the message flags specified are valid for the index type of the queue; see the description of the *MsgFlags* field in MQMD for further details.

2206 (X'089E') MQRC_MSG_ID_ERROR

Explanation: An MQGET call was issued to retrieve a message using the message identifier as a selection criterion, but the call failed because selection by message identifier is not supported on this queue.

- On z/OS, the queue is a shared queue, but the *IndexType* queue attribute does not have an appropriate value:
 - If selection is by message identifier alone, *IndexType* must have the value MQIT_MSG_ID.
 - If selection is by message identifier and correlation identifier combined, *IndexType* must have the value MQIT_MSG_ID or MQIT_CORREL_ID.
- On Compaq NonStop Kernel, a key file is required but has not been defined.

Completion Code: MQCC_FAILED

Programmer Response: Do one of the following:

- Modify the application so that it does not use selection by message identifier: set the *MsgId* field to MQMI_NONE and do not specify MQMO_MATCH_MSG_ID in MQGMO.
- On z/OS, change the *IndexType* queue attribute to MQIT_MSG_ID.
- On Compaq NonStop Kernel, define a key file.

2363 (X'093B') MQRC_MSG_NOT_MATCHED

Explanation: This reason code occurs only in the *Reason* field in an MQDLH structure, or in the *Feedback* field in the MQMD of a report message.

While performing Point-to-Point messaging, JMS encountered a message matching none of the selectors of ConnectionConsumers monitoring the queue. To maintain performance, the message was processed as specified by the disposition options in the *Report* field in the MQMD of the message.

If the *Report* field specifies one of the MQRO_EXCEPTION_* options, this reason code appears in the *Feedback* field of the report message. If the *Report* field specifies MQRO_DEAD_LETTER_Q, or the disposition report options are left as default, this reason code appears in the *Reason* field of the MQDLH.

Completion Code: None

Programmer Response: To correct this, ensure that the ConnectionConsumers monitoring the queue provide a complete set of selectors. Alternatively, set the QueueConnectionFactory to retain messages.

2250 (X'08CA') MQRC_MSG_SEQ_NUMBER_ERROR

Explanation: An MQGET, MQPUT, or MQPUT1 call was issued, but the value of the *MsgSeqNumber* field in the MQMD or MQMDE structure is less than one or greater than 999 999 999.

This error can also occur on the MQPUT call if the *MsgSeqNumber* field would have become greater than 999 999 999 as a result of the call.

This reason code occurs in the following environments:
AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
Windows, plus WebSphere MQ clients connected to
these systems.

Completion Code: MQCC_FAILED

Programmer Response: Specify a value in the range 1 through 999 999 999. Do not attempt to create a message group containing more than 999 999 999 messages.

2331 (X'091B') MQRC_MSG_TOKEN_ERROR

Explanation: An MQGET call was issued to retrieve a message using the message token as a selection criterion, but the options specified are not valid, for one of the following reasons:

- MQMO_MATCH_MSG_TOKEN was specified, but the queue is not indexed by message token (that is, the queue's *IndexType* attribute does not have the value MQIT_MSG_TOKEN).
- MQMO_MATCH_MSG_TOKEN was specified with either MQGMO_WAIT or MQGMO_SET_SIGNAL.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Completion and reason codes

Programmer Response: Do one of the following:

- Modify the queue definition so that the queue is indexed by message token.
- Remove the MQMO_MATCH_MSG_TOKEN option from the MQGET call.

2218 (X'08AA')

MQRC_MSG_TOO_BIG_FOR_CHANNEL

Explanation: 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 *Feedback* field in the message descriptor of a report message.

- On z/OS, 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.

Completion Code: MQCC_FAILED

Programmer Response: Check the channel definitions. Increase the maximum message length that the channel can accept, or break the message into several smaller messages.

2030 (X'07EE') MQRC_MSG_TOO_BIG_FOR_Q

Explanation: 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 *MsgFlags* field in MQMD. If segmentation is not allowed, the length of the message cannot exceed the lesser of the queue *MaxMsgLength* attribute and queue-manager *MaxMsgLength* attribute.

- On z/OS, the queue manager does not support the segmentation of messages; if MQMF_SEGMENTATION_ALLOWED is specified, it is accepted but ignored.

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 to place on the queue:

- 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).

MQRC_MSG_TOO_BIG_FOR_Q can also occur in the *Feedback* 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.

Completion Code: MQCC_FAILED

Programmer Response: Check whether the

BufferLength parameter is specified correctly; if it is, do one of the following:

- Increase the value of the queue's *MaxMsgLength* attribute; the queue-manager's *MaxMsgLength* attribute may also need increasing.
- Break the message into several smaller messages.
- Specify MQMF_SEGMENTATION_ALLOWED in the *MsgFlags* field in MQMD; this will allow the queue manager to break the message into segments.

2031 (X'07EF') MQRC_MSG_TOO_BIG_FOR_Q_MGR

Explanation: 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 *MsgFlags* field in MQMD. If segmentation is not allowed, the length of the message cannot exceed the lesser of the queue-manager *MaxMsgLength* attribute and queue *MaxMsgLength* attribute.

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:

- 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).

MQRC_MSG_TOO_BIG_FOR_Q_MGR can also occur in the *Feedback* 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.

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.

- On z/OS, this return code is issued only if you are using CICS for distributed queuing. Otherwise, MQRC_MSG_TOO_BIG_FOR_CHANNEL is issued.

Completion Code: MQCC_FAILED

Programmer Response: Check whether the *BufferLength* parameter is specified correctly; if it is, do one of the following:

- Increase the value of the queue-manager's *MaxMsgLength* attribute; the queue's *MaxMsgLength* attribute may also need increasing.
- Break the message into several smaller messages.
- Specify MQMF_SEGMENTATION_ALLOWED in the *MsgFlags* field in MQMD; this will allow the queue manager to break the message into segments.

- Check the channel definitions.

2029 (X'07ED') MQRC_MSG_TYPE_ERROR

Explanation: On an MQPUT or MQPUT1 call, the value specified for the *MsgType* field in the message descriptor (MQMD) is not valid.

Completion Code: MQCC_FAILED

Programmer Response: Specify a valid value. See the *MsgType* field described in Appendix E of the *WebSphere MQ Application Programming Guide* for details.

2301 (X'08FD') MQRC_MULTIPLE_INSTANCE_ERROR

Explanation: The *Selector* parameter specifies a system selector (one of the MQIASY_* values), but the value of the *ItemIndex* parameter is not MQIND_NONE. Only one instance of each system selector can exist in the bag.

Completion Code: MQCC_FAILED

Programmer Response: Specify MQIND_NONE for the *ItemIndex* parameter.

2136 (X'0858') MQRC_MULTIPLE_REASONS

Explanation: 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:

- 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.

| This reason code occurs in the following environments:
| AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
| plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: 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.

2201 (X'0899') MQRC_NAME_IN_USE

Explanation: 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. For more information, see the description of MQCLOSE in *WebSphere MQ Application Programming Guide*.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: 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.

2194 (X'0892') MQRC_NAME_NOT_VALID_FOR_TYPE

Explanation: An MQOPEN call was issued to open the queue manager definition, but the *ObjectName* field in the *ObjDesc* parameter is not blank.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the *ObjectName* field is set to blanks.

6117 (X'17E5') MQRC_NEGATIVE_LENGTH

Explanation: A negative length has been supplied where a zero or positive length is required.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

6118 (X'17E6') MQRC_NEGATIVE_OFFSET

Explanation: A negative offset has been supplied where a zero or positive offset is required.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

2325 (X'0915') MQRC_NESTED_BAG_NOT_SUPPORTED

Explanation: A bag that is input to the call contains nested bags. Nested bags are supported only for bags that are output from the call.

Completion Code: MQCC_FAILED

Programmer Response: Use a different bag as input to the call.

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2358 (X'0936') MQRC_NEXT_OFFSET_ERROR

Explanation: An MQXCLWLN call was issued from a cluster workload exit to obtain the address of the next record in the chain, but the offset specified by the *NextOffset* parameter is not valid. *NextOffset* must be the value of one of the following fields:

- *ChannelDefOffset* field in MQWDR
- *ClusterRecOffset* field in MQWDR
- *ClusterRecOffset* field in MQWQR
- *ClusterRecOffset* field in MQWCR

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the value specified for the *NextOffset* parameter is the value of one of the fields listed above.

2361 (X'0939') MQRC_NEXT_RECORD_ERROR

Explanation: An MQXCLWLN call was issued from a cluster workload exit to obtain the address of the next record in the chain, but the address specified for the *NextRecord* parameter is either null, not valid, or the address of read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

Completion Code: MQCC_FAILED

Programmer Response: Specify a valid address for the *NextRecord* parameter.

6110 (X'17DE') MQRC_NO_BUFFER

Explanation: No buffer is available. For an ImqCache object, one cannot be allocated, denoting an internal inconsistency in the object state that should not occur.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

6109 (X'17DD') MQRC_NO_CONNECTION_REFERENCE

Explanation: The **connection reference** is null. A connection to an ImqQueueManager object is required.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

2379 (X'094B') MQRC_NO_DATA_AVAILABLE

Explanation: This reason should be returned by the MQZ_ENUMERATE_AUTHORITY_DATA installable service component when there is no more authority data to return to the invoker of the service component.

- On z/OS, this reason code does not occur.

Completion Code: MQCC_FAILED

Programmer Response: None.

2270 (X'08DE') MQRC_NO_DESTINATIONS_AVAILABLE

Explanation: 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.

This situation can occur when MQOO_BIND_NOT_FIXED is specified on the MQOPEN call that opens the queue, or MQPUT1 is used to put the message.

- | This reason code occurs in the following environments:
- | AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
- | Windows, plus WebSphere MQ clients connected to
- | these systems.

Completion Code: MQCC_FAILED

Programmer Response: 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.

2121 (X'0849') MQRC_NO_EXTERNAL_PARTICIPANTS

Explanation: 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.

- | This reason code occurs in the following environments:
- | AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows.

Completion Code: MQCC_WARNING

Programmer Response: 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 may be in error.

2033 (X'07F1') MQRC_NO_MSG_AVAILABLE

Explanation: An MQGET call was issued, but there is no message on the queue satisfying the selection criteria specified in MQMD (the *MsgId* and *CorrelId* fields), and in MQGMO (the *Options* and *MatchOptions* fields). Either the MQGMO_WAIT option was not specified, or the time interval specified by the *WaitInterval* 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.

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:

- 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.

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: If this is an expected condition, no corrective action is required.

If this is an unexpected condition, check that:

- The message was put on the queue successfully.
- The unit of work (if any) used for the MQPUT or MQPUT1 call was committed successfully.
- 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:

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
Value of *MsgId* field in MQMD
Value of *CorrelId* field in MQMD

Consider waiting longer for the message.

2209 (X'08A1') MQRC_NO_MSG_LOCKED

Explanation: An MQGET call was issued with the MQGMO_UNLOCK option, but no message was currently locked.

Completion Code: MQCC_WARNING

Programmer Response: 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.

2034 (X'07F2') MQRC_NO_MSG_UNDER_CURSOR

Explanation: 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:

- 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).
- 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.

Completion Code: MQCC_FAILED

Programmer Response: Check the application logic. This may 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.

2359 (X'0937') MQRC_NO_RECORD_AVAILABLE

Explanation: An MQXCLWLN call was issued from a cluster workload exit to obtain the address of the next record in the chain, but the current record is the last record in the chain.

Completion Code: MQCC_FAILED

Programmer Response: None.

0 (X'0000') MQRC_NONE

Explanation: The call completed normally. The completion code (*CompCode*) is MQCC_OK.

Completion Code: MQCC_OK

Programmer Response: None.

2035 (X'07F3') MQRC_NOT_AUTHORIZED

Explanation: The user is not authorized to perform the operation attempted:

- On an MQCONN or MQCONNEX call, the user is not authorized to connect to the queue manager.
 - On z/OS, 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 z/OS, 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 *Hobj* parameter specified on the MQCLOSE call is not the handle returned by the MQOPEN call that created the queue.

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This reason code can also occur in the *Feedback* 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.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the correct queue manager or object was specified, and that appropriate authority exists.

- On z/OS, to determine for which object you are not authorized, you can use the violation messages issued by the External Security Manager.

6124 (X'17EC') MQRC_NOT_CONNECTED

Explanation: A method failed because a required connection to a queue manager was not available, and a connection cannot be established implicitly because the IMQ_IMPL_CONN flag of the ImqQueueManager **behavior** class attribute is FALSE.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

Programmer Response: Establish a connection to a queue manager and retry.

2119 (X'0847') MQRC_NOT_CONVERTED

Explanation: An MQGET call was issued with the MQGMO_CONVERT option specified in the *GetMsgOpts* parameter, but an error occurred during conversion of the data in the message. The message data is returned unconverted, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC_WARNING.

If the message consists of several parts, each of which is described by its own *CodedCharSetId* and *Encoding* fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various *CodedCharSetId* and *Encoding* fields always correctly describe the relevant message data.

This error may also indicate that a parameter to the data-conversion service is not supported.

Completion Code: MQCC_WARNING

Programmer Response: Check that the message data is correctly described by the *Format*, *CodedCharSetId* and *Encoding* parameters that were specified when the message was put. Also check that these values, and the *CodedCharSetId* and *Encoding* specified in the *MsgDesc* 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.

6125 (X'17ED') MQRC_NOT_OPEN

Explanation: A method failed because an MQSeries object was not open, and opening cannot be accomplished implicitly because the IMQ_IMPL_OPEN flag of the ImqObject **behavior** class attribute is FALSE.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

Programmer Response: Open the object and retry.

2036 (X'07F4') MQRC_NOT_OPEN_FOR_BROWSE

Explanation: An MQGET call was issued with one of the following options:

MQGMO_BROWSE_FIRST
MQGMO_BROWSE_NEXT
MQGMO_BROWSE_MSG_UNDER_CURSOR
MQGMO_MSG_UNDER_CURSOR

but the queue had not been opened for browse.

Completion Code: MQCC_FAILED

Programmer Response: Specify MQOO_BROWSE when the queue is opened.

2037 (X'07F5') MQRC_NOT_OPEN_FOR_INPUT

Explanation: An MQGET call was issued to retrieve a message from a queue, but the queue had not been opened for input.

Completion Code: MQCC_FAILED

Programmer Response: Specify one of the following when the queue is opened:

MQOO_INPUT_SHARED
MQOO_INPUT_EXCLUSIVE
MQOO_INPUT_AS_Q_DEF

2038 (X'07F6') MQRC_NOT_OPEN_FOR_INQUIRE

Explanation: An MQINQ call was issued to inquire object attributes, but the object had not been opened for inquire.

Completion Code: MQCC_FAILED

Programmer Response: Specify MQOO_INQUIRE when the object is opened.

2039 (X'07F7') MQRC_NOT_OPEN_FOR_OUTPUT

Explanation: An MQPUT call was issued to put a message on a queue, but the queue had not been opened for output.

Completion Code: MQCC_FAILED

Programmer Response: Specify MQOO_OUTPUT when the queue is opened.

2093 (X'082D') MQRC_NOT_OPEN_FOR_PASS_ALL

Explanation: An MQPUT call was issued with the MQPMO_PASS_ALL_CONTEXT option specified in the *PutMsgOpts* parameter, but the queue had not been opened with the MQOO_PASS_ALL_CONTEXT option.

Completion Code: MQCC_FAILED

Programmer Response: Specify MQOO_PASS_ALL_CONTEXT (or another option that implies it) when the queue is opened.

2094 (X'082E') MQRC_NOT_OPEN_FOR_PASS_IDENT

Explanation: An MQPUT call was issued with the MQPMO_PASS_IDENTITY_CONTEXT option specified in the *PutMsgOpts* parameter, but the queue had not been opened with the MQOO_PASS_IDENTITY_CONTEXT option.

Completion Code: MQCC_FAILED

Programmer Response: Specify MQOO_PASS_IDENTITY_CONTEXT (or another option that implies it) when the queue is opened.

2040 (X'07F8') MQRC_NOT_OPEN_FOR_SET

Explanation: An MQSET call was issued to set queue attributes, but the queue had not been opened for set.

Completion Code: MQCC_FAILED

Programmer Response: Specify MQOO_SET when the object is opened.

2095 (X'082F') MQRC_NOT_OPEN_FOR_SET_ALL

Explanation: An MQPUT call was issued with the MQPMO_SET_ALL_CONTEXT option specified in the *PutMsgOpts* parameter, but the queue had not been opened with the MQOO_SET_ALL_CONTEXT option.

Completion Code: MQCC_FAILED

Programmer Response: Specify MQOO_SET_ALL_CONTEXT when the queue is opened.

2096 (X'0830') MQRC_NOT_OPEN_FOR_SET_IDENT

Explanation: An MQPUT call was issued with the MQPMO_SET_IDENTITY_CONTEXT option specified in the *PutMsgOpts* parameter, but the queue had not been opened with the MQOO_SET_IDENTITY_CONTEXT option.

Completion Code: MQCC_FAILED

Programmer Response: Specify MQOO_SET_IDENTITY_CONTEXT (or another option that implies it) when the queue is opened.

6108 (X'17DC') MQRC_NULL_POINTER

Explanation: A null pointer has been supplied where a nonnull pointer is either required or implied.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

2100 (X'0834') MQRC_OBJECT_ALREADY_EXISTS

Explanation: An MQOPEN call was issued to create a dynamic queue, but a queue with the same name as the dynamic queue already exists.

- On z/OS, 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.

Completion Code: MQCC_FAILED

Programmer Response: 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.

If the queue manager is generating the name (either in part or in full), reissue the MQOPEN call.

2041 (X'07F9') MQRC_OBJECT_CHANGED

Explanation: Object definitions that affect this object have been changed since the *Hobj* handle used on this call was returned by the MQOPEN call. See the description of MQOPEN in the *WebSphere MQ Application Programming Guide* for more information.

This reason does not occur if the object handle is specified in the *Context* field of the *PutMsgOpts* parameter on the MQPUT or MQPUT1 call.

Completion Code: MQCC_FAILED

Programmer Response: 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 obtain the new values of the object attributes.

2101 (X'0835') MQRC_OBJECT_DAMAGED

Explanation: The object accessed by the call is damaged and cannot be used. For example, this may 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. The object can be deleted, although it may not be possible to delete the associated user space.

- On z/OS, this reason occurs when the DB2 list header or structure number associated with a shared

Completion and reason codes

queue is zero. This situation arises as a result of using the MQSC command DELETE CFSTRUCT to delete the DB2 structure definition. The command resets the list header and structure number to zero for each of the shared queues that references the deleted CF structure.

Completion Code: MQCC_FAILED

Programmer Response: It may be necessary to stop and restart the queue manager, or to restore the queue-manager data from back-up storage.

- On Compaq OpenVMS Alpha, OS/2, OS/400, Compaq NonStop Kernel, and UNIX systems, consult the FFST™ record to obtain more detail about the problem.
- On z/OS, delete the shared queue and redefine it using the MQSC command DEFINE QLOCAL. This will automatically define a CF structure and allocate list headers for it.

2042 (X'07FA') MQRC_OBJECT_IN_USE

Explanation: 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 *Options* 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).

MCAs for receiver channels, or the intra-group queuing agent (IGQ agent), may keep the destination queues open even when messages are not being transmitted; this results in the queues appearing to be “in use”. Use the MQSC command DISPLAY QSTATUS to find out who is keeping the queue open.

- On z/OS, 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.

Completion Code: MQCC_FAILED

Programmer Response: System design should specify whether an application is to wait and retry, or take other action.

2360 (X'0938')

MQRC_OBJECT_LEVEL_INCOMPATIBLE

Explanation: An MQOPEN or MQPUT1 call was issued, but the definition of the object to be accessed is not compatible with the queue manager to which the application has connected. The object definition was created or modified by a different version of the queue manager.

If the object to be accessed is a queue, the incompatible object definition could be the object specified by the MQOD structure on the call, or one of the object definitions used to resolve the specified object (for

example, the base queue to which an alias queue resolves, or the transmission queue to which a remote queue or queue-manager alias resolves).

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: The application must be run on a queue manager that is compatible with the object definition. Refer to the *WebSphere MQ for z/OS Concepts and Planning Guide* and the *WebSphere MQ for z/OS System Setup Guide* for information about compatibility and migration between different versions of the queue manager.

2152 (X'0868') MQRC_OBJECT_NAME_ERROR

Explanation: An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the *RecsPresent* field in MQOD is greater than zero), but the *ObjectName* field is neither blank nor the null string.

This reason code occurs in the following environments:
AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: If it is intended to open a distribution list, set the *ObjectName* field to blanks or the null string. If it is not intended to open a distribution list, set the *RecsPresent* field to zero.

2343 (X'0927') MQRC_OBJECT_NOT_UNIQUE

Explanation: An MQOPEN or MQPUT1 call was issued to access a queue, but the call failed because the queue specified in the MQOD structure cannot be resolved unambiguously. There exists a shared queue with the specified name, and a nonshared queue with the same name.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: One of the queues must be deleted. If the queue to be deleted contains messages, use the MQSC command MOVE QLOCAL to move the messages to a different queue, and then use the command DELETE QLOCAL to delete the queue.

2153 (X'0869')

MQRC_OBJECT_Q_MGR_NAME_ERROR

Explanation: An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the *RecsPresent* field in MQOD is greater than zero), but the *ObjectQMgrName* field is neither blank nor the null string.

This reason code occurs in the following environments:
AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: If it is intended to open a distribution list, set the *ObjectQMgrName* field to blanks or the null string. If it is not intended to open a distribution list, set the *RecsPresent* field to zero.

2155 (X'086B') MQRC_OBJECT_RECORDS_ERROR

Explanation: An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the *RecsPresent* field in MQOD is greater than zero), but the MQOR object records are not specified correctly. One of the following applies:

- *ObjectRecOffset* is zero and *ObjectRecPtr* is zero or the null pointer.
- *ObjectRecOffset* is not zero and *ObjectRecPtr* is not zero and not the null pointer.
- *ObjectRecPtr* is not a valid pointer.
- *ObjectRecPtr* or *ObjectRecOffset* points to storage that is not accessible.

| This reason code occurs in the following environments:
| AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
| plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that one of *ObjectRecOffset* and *ObjectRecPtr* is zero and the other nonzero. Ensure that the field used points to accessible storage.

2043 (X'07FB') MQRC_OBJECT_TYPE_ERROR

Explanation: On the MQOPEN or MQPUT1 call, the *ObjectType* field in the object descriptor MQOD specifies a value that is not valid. For the MQPUT1 call, the object type must be MQOT_Q.

Completion Code: MQCC_FAILED

Programmer Response: Specify a valid object type.

2044 (X'07FC') MQRC_OD_ERROR

Explanation: On the MQOPEN or MQPUT1 call, the object descriptor MQOD is not valid, for one of the following reasons:

- The *StrucId* field is not MQOD_STRUC_ID.
- The *Version* field specifies a value that is not valid or not supported.
- 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.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that input fields in the MQOD structure are set correctly.

2251 (X'08CB') MQRC_OFFSET_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the value of the *Offset* field in the MQMD or MQMDE structure is less than zero or greater than 999 999 999.

This error can also occur on the MQPUT call if the *Offset* field would have become greater than 999 999 999 as a result of the call.

| This reason code occurs in the following environments:
| AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
| Windows, plus WebSphere MQ clients connected to
| these systems.

Completion Code: MQCC_FAILED

Programmer Response: Specify a value in the range 0 through 999 999 999. Do not attempt to create a message segment that would extend beyond an offset of 999 999 999.

2137 (X'0859') MQRC_OPEN_FAILED

Explanation: A queue or other MQ object could not be opened successfully, for one of the following reasons:

- An MQCONN or MQCONNX call was issued, but the queue manager was unable to open an object that is used internally by the queue manager. As a result, processing cannot continue. The error log will contain the name of the object that could not be opened.
- 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 *Reason* field of the MQRR response record.

This reason code occurs in the following environments:
AIX, HP-UX, OS/2, OS/400, Solaris, Windows, plus
WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Do one of the following:

- If the error occurred on the MQCONN or MQCONNX call, ensure that the required objects exist by running the following command and then retrying the application:

```
STRMQM -c qmgr
```

where *qmgr* should be replaced by the name of the queue manager.

- If the error occurred on the MQPUT call, 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.

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2274 (X'08E2')

MQRC_OPTION_ENVIRONMENT_ERROR

Explanation: An MQGET call with the MQGMO_MARK_SKIP_BACKOUT option specified was issued from a DB2 Stored Procedure. The call failed because the MQGMO_MARK_SKIP_BACKOUT option cannot be used from a DB2 Stored Procedure.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Remove the MQGMO_MARK_SKIP_BACKOUT option from the MQGET call.

2045 (X'07FD')

MQRC_OPTION_NOT_VALID_FOR_TYPE

Explanation: 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.

For the MQOPEN call, this includes the following cases:

- 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:
 - MQOO_INPUT_AS_Q_DEF
 - MQOO_INPUT_SHARED
 - MQOO_INPUT_EXCLUSIVE
 - MQOO_BROWSE
 - MQOO_INQUIRE
 - MQOO_SET

when either:

- the queue name is resolved through a cell directory, or
- *ObjectQMgrName* 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 *RemoteQMgrName* attribute of the definition is the name of the local queue manager.

For the MQCLOSE call, this includes the following case:

- The MQCO_DELETE or MQCO_DELETE_PURGE option when the queue is not a dynamic queue.

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 *ObjectQMgrName* field in MQOD is neither blank nor the name of the local queue manager.

Completion Code: MQCC_FAILED

Programmer Response: Specify the correct option; see the relevant tables in the description of MQOPEN in the *WebSphere MQ Application Programming Guide*. Either the parameter pointer is not valid, or it points to. For the MQOPEN call, ensure that the *ObjectQMgrName* 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.

2046 (X'07FE') MQRC_OPTIONS_ERROR

Explanation: The *Options* parameter or field contains options that are not valid, or a combination of options that is not valid.

- For the MQOPEN, MQCLOSE, MQXCNCV, mqBagToBuffer, mqBufferToBag, mqCreateBag, and mqExecute calls, *Options* is a separate parameter on the call.

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.)

- For the MQBEGIN, MQCONN, MQGET, MQPUT, and MQPUT1 calls, *Options* is a field in the relevant options structure (MQBO, MQCNO, MQGMO, or MQPMO).

Completion Code: MQCC_FAILED

Programmer Response: Specify valid options. Check the description of the *Options* 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.

2252 (X'08CC') MQRC_ORIGINAL_LENGTH_ERROR

Explanation: An MQPUT or MQPUT1 call was issued to put a report message that is a segment, but the *OriginalLength* field in the MQMD or MQMDE structure is either:

- Less than the length of data in the message, or
- Less than one (for a segment that is not the last segment), or
- Less than zero (for a segment that is the last segment)

| This reason code occurs in the following environments:
| AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
| Windows, plus WebSphere MQ clients connected to
| these systems.

Completion Code: MQCC_FAILED

Programmer Response: Specify a value that is greater than zero. Zero is valid only for the last segment.

2310 (X'0906') MQRC_OUT_SELECTOR_ERROR

Explanation: The *OutSelector* 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.)

Completion Code: MQCC_FAILED

Programmer Response: Correct the parameter.

2123 (X'084B') MQRC_OUTCOME_MIXED

Explanation: 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:

- 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.

- | This reason code occurs in the following environments:
- | AIX, HP-UX, OS/2, Solaris, Linux, Windows.

Completion Code: MQCC_FAILED

Programmer Response: 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.

This reason code does not prevent the application initiating further units of work.

2124 (X'084C') MQRC_OUTCOME_PENDING

Explanation: 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.

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.

- | This reason code occurs in the following environments:
- | AIX, HP-UX, OS/2, Solaris, Linux, Windows.

Completion Code: MQCC_WARNING

Programmer Response: Use the normal error-reporting mechanisms to determine whether the outcome was mixed. If it was, take appropriate action to resynchronize the resources.

This reason code does not prevent the application initiating further units of work.

2193 (X'0891') MQRC_PAGESET_ERROR

Explanation: 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 identifier is ABCDEFG, the message is:

```
CSQI041I CSQIALLC JOB TEST USER ABCDEFG
        HAD ERROR ACCESSING PAGE SET 27
```

If this reason code occurs while attempting to delete a dynamic queue with MQCLOSE, the dynamic queue has not been deleted.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: 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:

- Collect the following diagnostic information:
 - 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 the queue manager
 - Attempt to re-create the problem, and take a system dump immediately after the error occurs
 - Contact your IBM Support Center
-

2192 (X'0890') MQRC_PAGESET_FULL

Explanation: Former name for MQRC_STORAGE_MEDIUM_FULL.

2321 (X'0911') MQRC_PARAMETER_MISSING

Explanation: 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.

Completion Code: MQCC_FAILED

Programmer Response: Review the description of the administration command being issued, and ensure that all required parameters are present in the bag.

Completion and reason codes

2272 (X'08E0') MQRC_PARTIALLY_CONVERTED

Explanation: On an MQGET call with the MQGMO_CONVERT option included in the *GetMsgOpts* parameter, one or more MQ header structures in the message data could not be converted to the specified target character set or encoding. In this situation, the MQ header structures are converted to the queue-manager's character set and encoding, and the application data in the message is converted to the target character set and encoding. On return from the call, the values returned in the various *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter and MQ header structures indicate the character set and encoding that apply to each part of the message. The call completes with MQCC_WARNING.

This reason code usually occurs when the specified target character set is one that causes the character strings in the MQ header structures to expand beyond the lengths of their fields. Unicode character set UCS-2 is an example of a character set that causes this to happen.

Completion Code: MQCC_FAILED

Programmer Response: If this is an expected situation, no corrective action is required.

If this is an unexpected situation, check that the MQ header structures contain valid data. If they do, specify as the target character set a character set that does not cause the strings to expand.

2122 (X'084A') MQRC_PARTICIPANT_NOT_AVAILABLE

Explanation: 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.

- | This reason code occurs in the following environments:
- | AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows.

Completion Code: MQCC_WARNING

Programmer Response: 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 may have been halted temporarily, or there may be an error in the queue manager's configuration file.

2149 (X'0865') MQRC_PCF_ERROR

Explanation: 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:

MQFMT_ADMIN
MQFMT_EVENT
MQFMT_PCF

- | This reason code occurs in the following environments:
- | AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
- | Windows, plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: 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.

2047 (X'07FF') MQRC_PERSISTENCE_ERROR

Explanation: On an MQPUT or MQPUT1 call, the value specified for the *Persistence* field in the message descriptor MQMD is not valid.

Completion Code: MQCC_FAILED

Programmer Response: Specify one of the following values:

MQPER_PERSISTENT
MQPER_NOT_PERSISTENT
MQPER_PERSISTENCE_AS_Q_DEF

2048 (X'0800') MQRC_PERSISTENT_NOT_ALLOWED

Explanation: On an MQPUT or MQPUT1 call, the value specified for the *Persistence* field in MQMD (or obtained from the *DefPersistence* queue attribute) specifies MQPER_PERSISTENT, but the queue on which the message is being placed does not support persistent messages. Persistent messages cannot be placed on temporary dynamic queues.

This reason code can also occur in the *Feedback* 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.

Completion Code: MQCC_FAILED

Programmer Response: 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 predefined queue in place of a temporary dynamic queue.

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 *ReplyToQ* field in the message descriptor MQMD cannot be a temporary dynamic queue. Use a permanent dynamic queue or predefined queue as the reply queue in this situation.

2173 (X'087D') MQRC_PMO_ERROR

Explanation: On an MQPUT or MQPUT1 call, the MQPMO structure is not valid, for one of the following reasons:

- The *StrucId* field is not MQPMO_STRUC_ID.
- The *Version* field specifies a value that is not valid or not supported.
- 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.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that input fields in the MQPMO structure are set correctly.

2158 (X'086E')

MQRC_PMO_RECORD_FLAGS_ERROR

Explanation: An MQPUT or MQPUT1 call was issued to put a message, but the *PutMsgRecFields* field in the MQPMO structure is not valid, for one of the following reasons:

- The field contains flags that are not valid.
- The message is being put to a distribution list, and put message records have been provided (that is, *RecsPresent* is greater than zero, and one of *PutMsgRecOffset* or *PutMsgRecPtr* is nonzero), but *PutMsgRecFields* has the value MQPMRF_NONE.
- MQPMRF_ACCOUNTING_TOKEN is specified without either MQPMO_SET_IDENTITY_CONTEXT or MQPMO_SET_ALL_CONTEXT.

| This reason code occurs in the following environments:
| AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
| plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that *PutMsgRecFields* 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 *PutMsgRecOffset* and *PutMsgRecPtr* to zero.

2050 (X'0802') MQRC_PRIORITY_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the value of the *Priority* field in the message descriptor MQMD is not valid. The maximum priority supported by the queue manager is given by the *MaxPriority* queue-manager attribute.

Completion Code: MQCC_FAILED

Programmer Response: Specify a value in the range zero through *MaxPriority*, or the special value MQPRI_PRIORITY_AS_Q_DEF.

2049 (X'0801')

MQRC_PRIORITY_EXCEEDS_MAXIMUM

Explanation: An MQPUT or MQPUT1 call was issued, but the value of the *Priority* field in the message descriptor MQMD exceeds the maximum priority supported by the local queue manager (see the *MaxPriority* queue-manager attribute described in the *WebSphere MQ Application Programming Guide*). The message is accepted by the queue manager, but is placed on the queue at the queue manager's maximum priority. The *Priority* field in the message descriptor retains the value specified by the application that put the message.

Completion Code: MQCC_WARNING

Programmer Response: None required, unless this reason code was not expected by the application that put the message.

2051 (X'0803') MQRC_PUT_INHIBITED

Explanation: MQPUT and MQPUT1 calls are currently inhibited for the queue, or for the queue to which this queue resolves. See the *InhibitPut* queue attribute described in the *WebSphere MQ Application Programming Guide*.

This reason code can also occur in the *Feedback* 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.

Completion Code: MQCC_FAILED

Programmer Response: If the system design allows put requests to be inhibited for short periods, retry the operation later.

2159 (X'086F') MQRC_PUT_MSG_RECORDS_ERROR

Explanation: An MQPUT or MQPUT1 call was issued to put a message to a distribution list, but the MQPMR put message records are not specified correctly. One of the following applies:

- *PutMsgRecOffset* is not zero and *PutMsgRecPtr* is not zero and not the null pointer.
- *PutMsgRecPtr* is not a valid pointer.

Completion and reason codes

- *PutMsgRecPtr* or *PutMsgRecOffset* points to storage that is not accessible.

| This reason code occurs in the following environments:
| AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
| plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that at least one of *PutMsgRecOffset* and *PutMsgRecPtr* is zero. Ensure that the field used points to accessible storage.

2290 (X'08F2') MQRC_Q_ALREADY_EXISTS

Explanation: This reason should be returned by the MQZ_INSERT_NAME installable service component when the queue specified by the *QName* parameter is already defined to the name service.

- On z/OS, this reason code does not occur.

Completion Code: MQCC_FAILED

Programmer Response: None. See the *WebSphere MQ System Administration Guide* book for information about installable service.

2052 (X'0804') MQRC_Q_DELETED

Explanation: An *Hobj* queue handle specified on a call refers to a dynamic queue that has been deleted since the queue was opened. (See the description of MQCLOSE in the *WebSphere MQ Application Programming Guide* for information about the deletion of dynamic queues.)

- On z/OS, 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.

Completion Code: MQCC_FAILED

Programmer Response: 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.

2224 (X'08B0') MQRC_Q_DEPTH_HIGH

Explanation: An MQPUT or MQPUT1 call has caused the queue depth to be incremented to or above the limit specified in the *QDepthHighLimit* attribute.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2225 (X'08B1') MQRC_Q_DEPTH_LOW

Explanation: An MQGET call has caused the queue depth to be decremented to or below the limit specified in the *QDepthLowLimit* attribute.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2053 (X'0805') MQRC_Q_FULL

Explanation: 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 (see the *MaxQDepth* queue attribute described in the *WebSphere MQ Application Programming Guide*).

This reason code can also occur in the *Feedback* 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.

Completion Code: MQCC_FAILED

Programmer Response: Retry the operation later. Consider increasing the maximum depth for this queue, or arranging for more instances of the application to service the queue.

2394 (X'095A') MQRC_Q_INDEX_TYPE_ERROR

| **Explanation:** An MQGET call was issued specifying
| one or more of the following options:

| MQGMO_ALL_MSGS_AVAILABLE
| MQGMO_ALL_SEGMENTS_AVAILABLE
| MQGMO_COMPLETE_MSG
| MQGMO_LOGICAL_ORDER

| but the call failed because the queue is not indexed by
| group identifier. These options require the queue to
| have an *IndexType* of MQIT_GROUP_ID.

| This reason code occurs only on z/OS.

| **Completion Code:** MQCC_FAILED

| **Programmer Response:** Redefine the queue to have an
| *IndexType* of MQIT_GROUP_ID. Alternatively, modify
| the application to avoid using the options listed above.

2222 (X'08AE') MQRC_Q_MGR_ACTIVE

Explanation: This condition is detected when a queue manager becomes active.

- On z/OS, this event is not generated for the first start of a queue manager, only on subsequent restarts.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2058 (X'080A') MQRC_Q_MGR_NAME_ERROR

Explanation: On an MQCONN or MQCONNX call, the value specified for the *QMgrName* parameter is not valid or not known. 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.)

- On z/OS for CICS applications, this reason can occur on *any* call if the original connect specified an incorrect or unrecognized name.

This reason code can also occur if an MQ client application attempts to connect to a queue manager within an MQ-client queue-manager group (see the *QMgrName* parameter of MQCONN), and either:

- Queue-manager groups are not supported.
- There is no queue-manager group with the specified name.

Completion Code: MQCC_FAILED

Programmer Response: Use an all-blank name if possible, or verify that the name used is valid.

2223 (X'08AF') MQRC_Q_MGR_NOT_ACTIVE

Explanation: This condition is detected when a queue manager is requested to stop or quiesce.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2059 (X'080B') MQRC_Q_MGR_NOT_AVAILABLE

Explanation: On an MQCONN or MQCONNX call, the queue manager identified by the *QMgrName* parameter is not available for connection.

- On z/OS:
 - For batch applications, this reason can be returned to applications running in LPARs that do not have a queue manager installed.
 - 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 *Hconn* parameter by an application running in compatibility mode.

This reason code can also occur if an MQ client application attempts to connect to a queue manager within an MQ-client queue-manager group when none of the queue managers in the group is available for connection (see the *QMgrName* parameter of the MQCONN call).

This reason code can also occur if the call is issued by an MQ client application and there is an error with the client-connection or the corresponding server-connection channel definitions.

- On z/OS, this reason code can also occur if the optional OS/390 client attachment feature has not been installed.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the queue manager has been started. If the connection is from a client application, check the channel definitions.

2161 (X'0871') MQRC_Q_MGR QUIESCING

Explanation: An MQI call was issued, but the call failed because the queue manager is quiescing (preparing to shut down).

When the queue manager is quiescing, the MQOPEN, MQPUT, MQPUT1, and MQGET calls can still complete successfully, but the application can request that they fail by specifying the appropriate option on the call:

- MQOO_FAIL_IF QUIESCING on MQOPEN
- MQPMO_FAIL_IF QUIESCING on MQPUT or MQPUT1
- MQGMO_FAIL_IF QUIESCING on MQGET

Specifying these options enables the application to become aware that the queue manager is preparing to shut down.

- On z/OS:
 - For batch applications, this reason can be returned to applications running in LPARs that do not have a queue manager installed.
 - For CICS applications, this reason can be returned when no connection was established.
- On OS/400 for applications running in compatibility mode, this reason can be returned when no connection was established.

Completion Code: MQCC_FAILED

Programmer Response: The application should tidy up and end. If the application specified the MQOO_FAIL_IF QUIESCING, MQPMO_FAIL_IF QUIESCING, or MQGMO_FAIL_IF QUIESCING option on the failing call, the relevant option can be removed and the call reissued. By omitting these options, the application can continue working in order to complete and commit the current unit of work, but the application should not start a new unit of work.

2162 (X'0872') MQRC_Q_MGR_STOPPING

Explanation: An MQI call was issued, but the call failed because the queue manager is shutting down. If the call was an MQGET call with the MQGMO_WAIT option, the wait has been canceled. No more MQI calls can be issued.

Completion and reason codes

For MQ client applications, it is possible that the call did complete successfully, even though this reason code is returned with a *CompCode* of MQCC_FAILED.

- On z/OS, the MQRC_CONNECTION_BROKEN reason may be returned instead if, as a result of system scheduling factors, the queue manager shuts down before the call completes.

Completion Code: MQCC_FAILED

Programmer Response: The application should tidy up and end. If the application is in the middle of a unit of work coordinated by an external unit-of-work coordinator, the application should issue the appropriate call to back out the unit of work. Any unit of work that is coordinated by the queue manager is backed out automatically.

2055 (X'0807') MQRC_Q_NOT_EMPTY

Explanation: An MQCLOSE call was issued for a permanent dynamic queue, but the call failed because the queue is not empty or still in use. One of the following applies:

- The MQCO_DELETE option was specified, but there are messages on the queue.
- The MQCO_DELETE or MQCO_DELETE_PURGE option was specified, but there are uncommitted get or put calls outstanding against the queue.

See the usage notes pertaining to dynamic queues for the MQCLOSE call for more information.

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).

Completion Code: MQCC_FAILED

Programmer Response: Check why there might be messages on the queue. Be aware that the *CurrentQDepth* 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 that 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.

2226 (X'08B2') MQRC_Q_SERVICE_INTERVAL_HIGH

Explanation: No successful gets or puts have been detected within an interval that is greater than the limit specified in the *QServiceInterval* attribute.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2227 (X'08B3') MQRC_Q_SERVICE_INTERVAL_OK

Explanation: A successful get has been detected within an interval that is less than or equal to the limit specified in the *QServiceInterval* attribute.

Completion Code: MQCC_WARNING

Programmer Response: None. This reason code is only used to identify the corresponding event message.

2056 (X'0808') MQRC_Q_SPACE_NOT_AVAILABLE

Explanation: An MQPUT or MQPUT1 call was issued, but there is no space available for the queue on disk or other storage device.

This reason code can also occur in the *Feedback* 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.

- On z/OS, this reason code does not occur.

Completion Code: MQCC_FAILED

Programmer Response: Check whether an application is putting messages in an infinite loop. If not, make more disk space available for the queue.

2057 (X'0809') MQRC_Q_TYPE_ERROR

Explanation: One of the following occurred:

- On an MQOPEN call, the *ObjectQMgrName* 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 *RemoteQMgrName* attribute is the name of the local queue manager. However, the *ObjectName* field in MQOD or MQOR specifies the name of a model queue on the local queue manager; this is not allowed. See the *WebSphere MQ Application Programming Guide* for more information.
- 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 *ReplyToQ* 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 *dynamic* 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 *Reason* field of the MQDLH structure when the reply message or report message is placed on the dead-letter queue.

Completion Code: MQCC_FAILED

Programmer Response: Specify a valid queue.

2154 (X'086A') MQRC_RECS_PRESENT_ERROR

Explanation: An MQOPEN or MQPUT1 call was issued, but the call failed for one of the following reasons:

- *RecsPresent* in MQOD is less than zero.
- *ObjectType* in MQOD is not MQOT_Q, and *RecsPresent* is not zero. *RecsPresent* must be zero if the object being opened is not a queue.

| This reason code occurs in the following environments:
| AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
| plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: If it is intended to open a distribution list, set the *ObjectType* field to MQOT_Q and *RecsPresent* to the number of destinations in the list. If it is not intended to open a distribution list, set the *RecsPresent* field to zero.

6129 (X'17F1') MQRC_REFERENCE_ERROR

Explanation: An object reference is invalid.

There is a problem with the address of a referenced object. At the time of use, the address of the object is nonnull, but is invalid and cannot be used for its intended purpose.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

Programmer Response: Check that the referenced object is neither deleted nor out of scope, or remove the reference by supplying a null address value.

2184 (X'0888') MQRC_REMOTE_Q_NAME_ERROR

Explanation: On an MQOPEN or MQPUT1 call, one of the following occurred:

- A local definition of a remote queue (or an alias to one) was specified, but the *RemoteQName* attribute in the remote queue definition is entirely blank. Note that this error occurs even if the *XmitQName* in the definition is not blank.
- The *ObjectQMgrName* field in the object descriptor is not blank and not the name of the local queue manager, but the *ObjectName* field is blank.

Completion Code: MQCC_FAILED

Programmer Response: Alter the local definition of the remote queue and supply a valid remote queue name, or supply a nonblank *ObjectName* in the object descriptor, as appropriate.

6100 (X'17D4')

MQRC_REOPEN_EXCL_INPUT_ERROR

Explanation: An open object does not have the correct *ImqObject open options* and requires one or more additional options. An implicit reopen is required but closure has been prevented.

Closure has been prevented because the queue is open for exclusive input and closure might result in the queue being accessed by another process or thread, before the queue is reopened by the process or thread that presently has access.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

Programmer Response: Set the *open options* explicitly to cover all eventualities so that implicit reopening is not required.

6101 (X'17D5') MQRC_REOPEN_INQUIRE_ERROR

Explanation: An open object does not have the correct *ImqObject open options* and requires one or more additional options. An implicit reopen is required but closure has been prevented.

Closure has been prevented because one or more characteristics of the object need to be checked dynamically prior to closure, and the *open options* do not already include MQOO_INQUIRE.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

Programmer Response: Set the *open options* explicitly to include MQOO_INQUIRE.

6102 (X'17D6')

MQRC_REOPEN_SAVED_CONTEXT_ERR

Explanation: An open object does not have the correct *ImqObject open options* and requires one or more additional options. An implicit reopen is required but closure has been prevented.

Closure has been prevented because the queue is open with MQOO_SAVE_ALL_CONTEXT, and a destructive get has been performed previously. This has caused retained state information to be associated with the open queue and this information would be destroyed by closure.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

Programmer Response: Set the *open options* explicitly to cover all eventualities so that implicit reopening is not required.

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6103 (X'17D7') MQRC_REOPEN_TEMPORARY_Q_ERROR

Explanation: An open object does not have the correct `ImqObject` **open options** and requires one or more additional options. An implicit reopen is required but closure has been prevented.

Closure has been prevented because the queue is a local queue of the definition type `MQQDT_TEMPORARY_DYNAMIC`, that would be destroyed by closure.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

Programmer Response: Set the **open options** explicitly to cover all eventualities so that implicit reopening is not required.

2061 (X'080D') MQRC_REPORT_OPTIONS_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the *Report* field in the message descriptor MQMD contains one or more options that 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; see Appendix E of the *WebSphere MQ Application Programming Guide* for more details.

This reason code can also occur in the *Feedback* field in the MQMD of a report message, or in the *Reason* 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.

Completion Code: MQCC_FAILED

Programmer Response: Do the following:

- Ensure that the *Report* 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.
- Ensure that the report options specified are ones that are documented in this book; see the *Report* field described in Appendix E of the *WebSphere MQ Application Programming Guide* for valid report options. Remove any report options that are not documented in this book.
- If multiple report options are being set by adding the individual report options together, ensure that the same report option is not added twice.
- Check that conflicting report options are not specified. For example, do not add both `MQRO_EXCEPTION` and `MQRO_EXCEPTION_WITH_DATA` to the *Report* field; only one of these can be specified.

2378 (X'094A') MQRC_RESERVED_VALUE_ERROR

Explanation: An MQXEP call was issued by an API exit function, but the value specified for the *Reserved* parameter is not valid. The value must be the null pointer.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Windows.

Completion Code: MQCC_FAILED

Programmer Response: Modify the exit to specify the null pointer as the value of the *Reserved* parameter.

2102 (X'0836') MQRC_RESOURCE_PROBLEM

Explanation: There are insufficient system resources to complete the call successfully.

Completion Code: MQCC_FAILED

Programmer Response: Run the application when the machine is less heavily loaded.

- On z/OS, check the operator console for messages that may provide additional information.
- On Compaq OpenVMS Alpha, OS/2, OS/400, Compaq NonStop Kernel, and UNIX systems, consult the FFST record to obtain more detail about the problem.

2156 (X'086C') MQRC_RESPONSE_RECORDS_ERROR

Explanation: An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the *RecsPresent* field in MQOD is greater than zero), but the MQRR response records are not specified correctly. One of the following applies:

- *ResponseRecOffset* is not zero and *ResponseRecPtr* is not zero and not the null pointer.
- *ResponseRecPtr* is not a valid pointer.
- *ResponseRecPtr* or *ResponseRecOffset* points to storage that is not accessible.

This reason code occurs in the following environments:
AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows, plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that at least one of *ResponseRecOffset* and *ResponseRecPtr* is zero. Ensure that the field used points to accessible storage.

2336 (X'0920') MQRC_RFH_COMMAND_ERROR

Explanation: The message contains an MQRFH structure, but the command name contained in the *NameValueString* field is not valid.

Completion Code: MQCC_FAILED

Programmer Response: Modify the application that

generated the message to ensure that it places in the *NameValueString* field a command name that is valid.

2338 (X'0922') MQRC_RFH_DUPLICATE_PARM

Explanation: The message contains an MQRFH structure, but a parameter occurs more than once in the *NameValueString* field when only one occurrence is valid for the specified command.

Completion Code: MQCC_FAILED

Programmer Response: Modify the application that generated the message to ensure that it places in the *NameValueString* field only one occurrence of the parameter.

2334 (X'091E') MQRC_RFH_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the message data contains an MQRFH or MQRFH2 structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQRFH_STRUC_ID.
- The *Version* field is not MQRFH_VERSION_1 (MQRFH), or MQRFH_VERSION_2 (MQRFH2).
- The *StrucLength* field specifies a value that is too small to include the structure plus the variable-length data at the end of the structure.
- The *CodedCharSetId* field is zero, or a negative value that is not valid.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

Completion Code: MQCC_FAILED

Programmer Response: Check that the fields in the structure are set correctly. Ensure that the application sets the *CodedCharSetId* field to a valid value (note: MQCCSI_DEFAULT, MQCCSI_EMBEDDED, MQCCSI_Q_MGR, and MQCCSI_UNDEFINED are *not* valid in this field).

2337 (X'0921') MQRC_RFH_PARM_ERROR

Explanation: The message contains an MQRFH structure, but a parameter name contained in the *NameValueString* field is not valid for the command specified.

Completion Code: MQCC_FAILED

Programmer Response: Modify the application that generated the message to ensure that it places in the *NameValueString* field only parameters that are valid for the specified command.

2339 (X'0923') MQRC_RFH_PARM_MISSING

Explanation: The message contains an MQRFH structure, but the command specified in the

NameValueString field requires a parameter that is not present.

Completion Code: MQCC_FAILED

Programmer Response: Modify the application that generated the message to ensure that it places in the *NameValueString* field all parameters that are required for the specified command.

2335 (X'091F') MQRC_RFH_STRING_ERROR

Explanation: The contents of the *NameValueString* field in the MQRFH structure are not valid.

NameValueString must adhere to the following rules:

- The string must consist of zero or more name/value pairs separated from each other by one or more blanks; the blanks are not significant.
- If a name or value contains blanks that are significant, the name or value must be enclosed in double-quote characters.
- If a name or value itself contains one or more double-quote characters, the name or value must be enclosed in double-quote characters, and each embedded double-quote character must be doubled.
- A name or value can contain any characters other than the null, which acts as a delimiter. The null and characters following it, up to the defined length of *NameValueString*, are ignored.

The following is a valid *NameValueString*:

Famous_Words "Display "Hello World""

Completion Code: MQCC_FAILED

Programmer Response: Modify the application that generated the message to ensure that it places in the *NameValueString* field data that adheres to the rules listed above. Check that the *StrucLength* field is set to the correct value.

2220 (X'08AC') MQRC_RMH_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the message data contains an MQRMH structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQRMH_STRUC_ID.
- The *Version* field is not MQRMH_VERSION_1.
- The *StrucLength* field specifies a value that is too small to include the structure plus the variable-length data at the end of the structure.
- The *CodedCharSetId* field is zero, or a negative value that is not valid.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

This reason code occurs in the following environments:

AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux, Windows, plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

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Programmer Response: Check that the fields in the structure are set correctly. Ensure that the application sets the *CodedCharSetId* field to a valid value (note: MQCCSI_DEFAULT, MQCCSI_EMBEDDED, MQCCSI_Q_MGR, and MQCCSI_UNDEFINED are *not* valid in this field).

2380 (X'094C') MQRC_SCO_ERROR

Explanation: On an MQCONN call, the MQSCO structure is not valid for one of the following reasons:

- The *StrucId* field is not MQSCO_STRUC_ID.
- The *Version* field is not MQSCO_VERSION_1.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Windows.

Completion Code: MQCC_FAILED

Programmer Response: Correct the definition of the MQSCO structure.

2062 (X'080E')

MQRC_SECOND_MARK_NOT_ALLOWED

Explanation: An MQGET call was issued specifying the MQGMO_MARK_SKIP_BACKOUT option in the *Options* field of MQGMO, but a message has already been marked within the current unit of work. Only one marked message is allowed within each unit of work.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Modify the application so that no more than one message is marked within each unit of work.

2063 (X'080F') MQRC_SECURITY_ERROR

Explanation: An MQCONN, MQCONN, MQOPEN, MQPUT1, or MQCLOSE call was issued, but it failed because a security error occurred.

- On z/OS, the security error was returned by the External Security Manager.

Completion Code: MQCC_FAILED

Programmer Response: Note the error from the security manager, and contact your system programmer or security administrator.

- On OS/400, the FFST log will contain the error information.

2253 (X'08CD') MQRC_SEGMENT_LENGTH_ZERO

Explanation: An MQPUT or MQPUT1 call was issued to put the first or an intermediate segment of a logical message, but the length of the application message data in the segment (excluding any MQ headers that may be present) is zero. The length must be at least one for the first or intermediate segment.

This reason code occurs in the following environments:
AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows, plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: 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 length of zero.

2365 (X'093D')

MQRC_SEGMENTS_NOT_SUPPORTED

Explanation: An MQPUT call was issued to put a segment of a logical message, but the queue on which the message is to be placed has an *IndexType* of MQIT_GROUP_ID. Message segments cannot be placed on queues with this index type.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Modify the application to put messages that are not segments; ensure that the MQMF_SEGMENT and MQMF_LAST_SEGMENT flags in the *MsgFlags* field in MQMD are not set, and that the *Offset* is zero. Alternatively, change the index type of the queue.

2065 (X'0811') MQRC_SELECTOR_COUNT_ERROR

Explanation: On an MQINQ or MQSET call, the *SelectorCount* 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.)

Completion Code: MQCC_FAILED

Programmer Response: Specify a value in the range 0 through 256.

2067 (X'0813') MQRC_SELECTOR_ERROR

Explanation: An MQINQ or MQSET call was issued, but the *Selectors* array contains a selector that is not valid for one of the following reasons:

- The selector is not supported or out of range.
- The selector is not applicable to the type of object whose attributes are being inquired or set.
- The selector is for an attribute that cannot be set.

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.)

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the value specified for the selector is valid for the object type represented by *Hobj*. For the MQSET call, also ensure

that the selector represents an integer attribute that can be set.

2066 (X'0812') MQRC_SELECTOR_LIMIT_EXCEEDED

Explanation: On an MQINQ or MQSET call, the *SelectorCount* parameter specifies a value that is larger than the maximum supported (256).

Completion Code: MQCC_FAILED

Programmer Response: Reduce the number of selectors specified on the call; the valid range is 0 through 256.

2068 (X'0814') MQRC_SELECTOR_NOT_FOR_TYPE

Explanation: On the MQINQ call, one or more selectors in the *Selectors* array is not applicable to the type of the queue whose attributes are being inquired.

This reason also occurs when the queue is a cluster queue that resolved to a remote instance of the queue. In this case only a subset of the attributes that are valid for local queues can be inquired. See the usage notes in the description of MQINQ in the *WebSphere MQ Application Programming Guide* for further details.

The call completes with MQCC_WARNING, with the attribute values for the inapplicable selectors set as follows:

- For integer attributes, the corresponding elements of *IntAttrs* are set to MQIAV_NOT_APPLICABLE.
- For character attributes, the appropriate parts of the *CharAttrs* string are set to a character string consisting entirely of asterisks (*).

Completion Code: MQCC_WARNING

Programmer Response: Verify that the selector specified is the one that was intended.

If the queue is a cluster queue, specifying one of the MQOO_BROWSE, MQOO_INPUT_*, or MQOO_SET options in addition to MQOO_INQUIRE forces the queue to resolve to the local instance of the queue. However, if there is no local instance of the queue the MQOPEN call fails.

2309 (X'0905') MQRC_SELECTOR_NOT_PRESENT

Explanation: The *Selector* parameter specifies a selector that does not exist in the bag.

Completion Code: MQCC_FAILED

Programmer Response: Specify a selector that does exist in the bag.

2318 (X'090E') MQRC_SELECTOR_NOT_SUPPORTED

Explanation: The *Selector* 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.

Completion Code: MQCC_FAILED

Programmer Response: Specify a selector value that is supported.

2305 (X'0901') MQRC_SELECTOR_NOT_UNIQUE

Explanation: The *ItemIndex* parameter has the value MQIND_NONE, but the bag contains more than one data item with the selector value specified by the *Selector* parameter. MQIND_NONE requires that the bag contain only one occurrence of the specified selector.

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.

Completion Code: MQCC_FAILED

Programmer Response: Check the logic of the application that created the bag. If correct, specify for *ItemIndex* a value that is zero or greater, and add application logic to process all of the occurrences of the selector in the bag.

Review the description of the administration command being issued, and ensure that all required parameters are defined correctly in the bag.

2304 (X'0900') MQRC_SELECTOR_OUT_OF_RANGE

Explanation: The *Selector* parameter has a value that is outside the valid range for the call. If the bag was created with the MQCBO_CHECK_SELECTORS option:

- 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.

If the bag was not created with the MQCBO_CHECK_SELECTORS option:

- The value must be zero or greater.

Completion Code: MQCC_FAILED

Programmer Response: Specify a valid value.

2299 (X'08FB') MQRC_SELECTOR_TYPE_ERROR

Explanation: The *Selector* parameter has the wrong data type; it must be of type Long.

Completion Code: MQCC_FAILED

Programmer Response: Declare the *Selector* parameter as Long.

2312 (X'0908') MQRC_SELECTOR_WRONG_TYPE

Explanation: 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

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example, the data item might have an integer data type, but the call being used might be `mqSetString`, which implies a character data type.

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.

Completion Code: `MQCC_FAILED`

Programmer Response: For the `mqSetInteger` and `mqSetString` calls, specify `MQIND_ALL` for the *ItemIndex* parameter to delete from the bag all existing occurrences of the specified selector before creating the new occurrence with the required data type.

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.

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.

2289 (X'08F1') MQRC_SERVICE_ERROR

Explanation: This reason should be returned by an installable service component when the component encounters an unexpected error.

- On z/OS, this reason code does not occur.

Completion Code: `MQCC_FAILED`

Programmer Response: Correct the error and retry the operation.

2285 (X'08ED') MQRC_SERVICE_NOT_AVAILABLE

Explanation: 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.

- On z/OS, this reason code does not occur.

Completion Code: `MQCC_FAILED`

Programmer Response: Make the underlying service available.

2069 (X'0815') MQRC_SIGNAL_OUTSTANDING

Explanation: 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 *Hobj*.

This reason code occurs only in the following environments: z/OS, Windows 95, Windows 98.

Completion Code: `MQCC_FAILED`

Programmer Response: 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.

2070 (X'0816')

MQRC_SIGNAL_REQUEST_ACCEPTED

Explanation: An `MQGET` call was issued specifying `MQGMO_SET_SIGNAL` in the *GetMsgOpts* parameter, but no suitable message was available; the call returns immediately. The application can now wait for the signal to be delivered.

- On z/OS, the application should wait on the Event Control Block pointed to by the *Signal1* field.
- On Windows 95, Windows 98, the application should wait for the signal Windows message to be delivered.

This reason code occurs only in the following environments: z/OS, Windows 95, Windows 98.

Completion Code: `MQCC_WARNING`

Programmer Response: 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.

- On z/OS, wait on the ECB pointed to by the *Signal1* field and, when it is posted, check it to ensure that a message is now available.
- On Windows 95, Windows 98, the application (thread) should continue executing its message loop.

2099 (X'0833') MQRC_SIGNAL1_ERROR

Explanation: An `MQGET` call was issued, specifying `MQGMO_SET_SIGNAL` in the *GetMsgOpts* parameter, but the *Signal1* field is not valid.

- On z/OS, the address contained in the *Signal1* 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, Windows 98, the window handle in the *Signal1* field is not valid.

This reason code occurs only in the following environments: z/OS, Windows 95, Windows 98.

Completion Code: `MQCC_FAILED`

Programmer Response: Correct the setting of the *Signal1* field.

2145 (X'0861') MQRC_SOURCE_BUFFER_ERROR

Explanation: On the `MQXCNVC` call, the *SourceBuffer* parameter pointer is not valid, or points to storage that cannot be accessed for the entire length specified by *SourceLength*. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

This reason code can also occur on the `MQGET` call when the `MQGMO_CONVERT` option is specified. In

this case it indicates that the MQRC_SOURCE_BUFFER_ERROR reason was returned by an MQXCNCV call issued by the data conversion exit.

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: Specify a valid buffer. If the reason code occurs on the MQGET call, check that the logic in the data-conversion exit is correct.

2111 (X'083F') MQRC_SOURCE_CCSID_ERROR

Explanation: The coded character-set identifier from which character data is to be converted is not valid or not supported.

This can occur on the MQGET call when the MQGMO_CONVERT option is included in the *GetMsgOpts* parameter; the coded character-set identifier in error is the *CodedCharSetId* field in the message being retrieved. In this case, the message data is returned unconverted, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC_WARNING.

This reason can also occur on the MQGET call when the message contains one or more MQ header structures (MQCIH, MQDLH, MQIIH, MQRMH), and the *CodedCharSetId* field in the message specifies a character set that does not have SBCS characters for the characters that are valid in queue names. MQ header structures containing such characters are not valid, and so the message is returned unconverted. The Unicode character set UCS-2 is an example of such a character set.

If the message consists of several parts, each of which is described by its own *CodedCharSetId* and *Encoding* fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various *CodedCharSetId* and *Encoding* fields always correctly describe the relevant message data.

This reason can also occur on the MQXCNCV call; the coded character-set identifier in error is the *SourceCCSID* parameter. Either the *SourceCCSID* parameter specifies a value that is not valid or not supported, or the *SourceCCSID* parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: Check the character-set identifier that was specified when the message was put, or that was specified for the *SourceCCSID* parameter on the MQXCNCV 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.

2113 (X'0841') MQRC_SOURCE_DECIMAL_ENC_ERROR

Explanation: On an MQGET call with the MQGMO_CONVERT option included in the *GetMsgOpts* parameter, the *Encoding* value in the message being retrieved specifies a decimal encoding that is not recognized. The message data is returned unconverted, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC_WARNING.

If the message consists of several parts, each of which is described by its own *CodedCharSetId* and *Encoding* fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various *CodedCharSetId* and *Encoding* fields always correctly describe the relevant message data.

Completion Code: MQCC_WARNING

Programmer Response: 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.

2114 (X'0842') MQRC_SOURCE_FLOAT_ENC_ERROR

Explanation: On an MQGET call, with the MQGMO_CONVERT option included in the *GetMsgOpts* parameter, the *Encoding* 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 *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC_WARNING.

If the message consists of several parts, each of which is described by its own *CodedCharSetId* and *Encoding* fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various *CodedCharSetId* and *Encoding* fields always correctly describe the relevant message data.

Completion Code: MQCC_WARNING

Programmer Response: 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

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carried out by the application.

2112 (X'0840') MQRC_SOURCE_INTEGER_ENC_ERROR

Explanation: On an MQGET call, with the MQGMO_CONVERT option included in the *GetMsgOpts* parameter, the *Encoding* value in the message being retrieved specifies an integer encoding that is not recognized. The message data is returned unconverted, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC_WARNING.

If the message consists of several parts, each of which is described by its own *CodedCharSetId* and *Encoding* fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various *CodedCharSetId* and *Encoding* fields always correctly describe the relevant message data.

This reason code can also occur on the MQXCNCV call, when the *Options* parameter contains an unsupported MQDCC_SOURCE_* value, or when MQDCC_SOURCE_ENC_UNDEFINED is specified for a UCS-2 code page.

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: 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.

2143 (X'085F') MQRC_SOURCE_LENGTH_ERROR

Explanation: On the MQXCNCV call, the *SourceLength* 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 *SourceLength* parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

This reason code can also occur on the MQGET call when the MQGMO_CONVERT option is specified. In this case it indicates that the MQRC_SOURCE_LENGTH_ERROR reason was returned by an MQXCNCV call issued by the data conversion exit.

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: Specify a length that is zero or greater. If the reason code occurs on the MQGET call,

check that the logic in the data-conversion exit is correct.

2261 (X'08D5') MQRC_SRC_ENV_ERROR

Explanation: 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:

- *SrcEnvLength* is less than zero.
- *SrcEnvLength* is greater than zero, but there is no source environment data.
- *SrcEnvLength* is greater than zero, but *SrcEnvOffset* is negative, zero, or less than the length of the fixed part of MQRMH.
- *SrcEnvLength* is greater than zero, but *SrcEnvOffset* plus *SrcEnvLength* is greater than *StrucLength*.

The exit returns this reason in the *Feedback* field of the MQCXP structure. If an exception report is requested, it is copied to the *Feedback* field of the MQMD associated with the report.

| This reason code occurs in the following environments:
| AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
| plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Specify the source environment data correctly.

2262 (X'08D6') MQRC_SRC_NAME_ERROR

Explanation: 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:

- *SrcNameLength* is less than zero.
- *SrcNameLength* is greater than zero, but there is no source name data.
- *SrcNameLength* is greater than zero, but *SrcNameOffset* is negative, zero, or less than the length of the fixed part of MQRMH.
- *SrcNameLength* is greater than zero, but *SrcNameOffset* plus *SrcNameLength* is greater than *StrucLength*.

The exit returns this reason in the *Feedback* field of the MQCXP structure. If an exception report is requested, it is copied to the *Feedback* field of the MQMD associated with the report.

| This reason code occurs in the following environments:
| AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
| plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Specify the source name data correctly.

2391 (X'0957') MQRC_SSL_ALREADY_INITIALIZED

Explanation: An MQCONN or MQCONNX call was issued with SSL configuration options specified, but the SSL environment had already been initialized. The connection to the queue manager completed successfully, but the SSL configuration options specified on the call were ignored; the existing SSL environment was used instead.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Windows.

Completion Code: MQCC_WARNING

Programmer Response: If the application must be run with the SSL configuration options defined on the MQCONN or MQCONNX call, use the MQDISC call to sever the connection to the queue manager and then terminate the application. Alternatively run the application later when the SSL environment has not been initialized.

2402 (X'0962') MQRC_SSL_CERT_STORE_ERROR

Explanation: A connection to a queue manager was requested, specifying SSL encryption. However, none of the CertStore objects provided by the application could be searched for the certificate presented by the queue manager. The MQException object containing this reason code references the Exception encountered when searching the first CertStore; this can be obtained using the MQException.getCause() method. From JMS, the MQException is linked to the thrown JMSEException.

This reason code occurs only with Java applications.

Completion Code: MQCC_FAILED

Programmer Response: Inspect the causal exception to determine the underlying error. Check the CertStore objects provided by your application. If the causal exception is a java.lang.NoSuchElementException, ensure that your application is not specifying an empty collection of CertStore objects.

2401 (X'0961') MQRC_SSL_CERTIFICATE_REVOKED

Explanation: A connection to a queue manager was requested, specifying SSL encryption. However, the certificate presented by the queue manager was found to be revoked by one of the specified CertStores.

This reason code occurs only with Java applications.

Completion Code: MQCC_FAILED

Programmer Response: Check the certificates used to identify the queue manager.

2392 (X'0958') MQRC_SSL_CONFIG_ERROR

Explanation: On an MQCONNX call, the MQCNO structure does not specify the MQSCO structure correctly. One of the following applies:

- *SSLConfigOffset* is nonzero and *SSLConfigPtr* is not the null pointer.
- *SSLConfigPtr* is not a valid pointer.
- *SSLConfigOffset* or *SSLConfigPtr* points to storage that is not accessible.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Windows.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that one of *SSLConfigOffset* or *SSLConfigPtr* is zero and the other nonzero. Ensure that the field used points to accessible storage.

2393 (X'0959') MQRC_SSL_INITIALIZATION_ERROR

Explanation: An MQCONN or MQCONNX call was issued with SSL configuration options specified, but an error occurred during the initialization of the SSL environment.

This reason code occurs in the following environments:
AIX, HP-UX, Solaris, Windows.

Completion Code: MQCC_FAILED

Programmer Response: Check that the SSL installation is correct.

2396 (X'095C') MQRC_SSL_NOT_ALLOWED

Explanation: A connection to a queue manager was requested, specifying SSL encryption. However, the connection mode requested is one that does not support SSL (for example, bindings connect).

This reason code occurs only with Java applications.

Completion Code: MQCC_FAILED

Programmer Response: Modify the application to request client connection mode, or to disable SSL encryption.

2399 (X'095F') MQRC_SSL_PEER_NAME_ERROR

Explanation: The application specified a peer name of incorrect format.

This reason code occurs only with Java applications.

Completion Code: MQCC_FAILED

Programmer Response: Check the value of the *sslPeerName* property specified by the application.

Completion and reason codes

2398 (X'095E')

MQRC_SSL_PEER_NAME_MISMATCH

Explanation: The application attempted to connect to the queue manager using SSL encryption, but the distinguished name presented by the queue manager does not match the specified pattern.

This reason code occurs only with Java applications.

Completion Code: MQCC_FAILED

Programmer Response: Check the certificates used to identify the queue manager. Also check the value of the `sslPeerName` property specified by the application.

2188 (X'088C') **MQRC_STOPPED_BY_CLUSTER_EXIT**

Explanation: 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.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux, Windows, plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Check the cluster workload exit to ensure that it has been written correctly. Determine why it rejected the call and correct the problem.

2105 (X'0839') **MQRC_STORAGE_CLASS_ERROR**

Explanation: The MQPUT or MQPUT1 call was issued, but the storage-class object defined for the queue does not exist.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: 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 `StorageClass` queue attribute.

2192 (X'0890') **MQRC_STORAGE_MEDIUM_FULL**

Explanation: An MQI call was issued to operate on a queue, but the call failed because the external storage medium is full. One of the following applies:

- A page-set data set is full (nonshared queues only).
- A coupling-facility structure is full (shared queues only).

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Check which queues contain messages and look for applications that might be filling the queues unintentionally. Be aware that the queue

that has caused the page set or coupling-facility structure to become full is not necessarily the queue referenced by the MQI call that returned `MQRC_STORAGE_MEDIUM_FULL`.

Check that all of the usual server applications are operating correctly and processing the messages on the queues.

If the applications and servers are operating correctly, increase the number of server applications to cope with the message load, or request the system programmer to increase the size of the page-set data sets.

2071 (X'0817') **MQRC_STORAGE_NOT_AVAILABLE**

Explanation: The call failed because there is insufficient main storage available.

Completion Code: MQCC_FAILED

Programmer Response: 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.

- On z/OS, if no application problems are found, ask your systems programmer to increase the size of the region in which the queue manager runs.

2307 (X'0903') **MQRC_STRING_ERROR**

Explanation: The *String* 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.)

Completion Code: MQCC_FAILED

Programmer Response: Correct the parameter.

2323 (X'0913') **MQRC_STRING_LENGTH_ERROR**

Explanation: The *StringLength* 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.)

Completion Code: MQCC_FAILED

Programmer Response: Correct the parameter.

2311 (X'0907') **MQRC_STRING_TRUNCATED**

Explanation: 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.

Completion Code: MQCC_FAILED

Programmer Response: If the entire string is required, provide a larger buffer. On the `mqInquireString` call, the *StringLength* parameter is set by the call to indicate

the size of the buffer required to accommodate the string without truncation.

6107 (X'17DB') MQRC_STRUC_ID_ERROR

Explanation: The structure id for the (next) message item, which is derived from the 4 characters beginning at the data pointer, is either missing or is inconsistent with the class of object into which the item is being pasted.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

6123 (X'17EB') MQRC_STRUC_LENGTH_ERROR

Explanation: The length of a data structure is inconsistent with its content. For an MQRMH, the length is insufficient to contain the fixed fields and all offset data.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

2109 (X'083D') MQRC_SUPPRESSED_BY_EXIT

Explanation: On any call other than MQCONN or MQDISC, the API crossing exit suppressed the call.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Obey the rules for MQI calls that the exit enforces. To find out the rules, see the writer of the exit.

2024 (X'07E8')

MQRC_SYNCPOINT_LIMIT_REACHED

Explanation: 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 *MaxUncommittedMsgs* queue-manager attribute). The number of uncommitted messages is the sum of the following since the start of the current unit of work:

- 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
- On Compaq NonStop Kernel, this reason code occurs when the maximum number of I/O operations in a single TM/MP transaction has been exceeded.

Completion Code: MQCC_FAILED

Programmer Response: 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.

- On z/OS, the limit for the maximum number of uncommitted messages can be changed by using the ALTER QMGR command.
- On OS/400, the limit for the maximum number of uncommitted messages can be changed by using the CHGMQM command.
- On Compaq NonStop Kernel, the application should cancel the transaction and retry with a smaller number of operations in the unit of work. See the *MQSeries for Tandem NonStop Kernel System Management Guide* for more details.

2072 (X'0818')

MQRC_SYNCPOINT_NOT_AVAILABLE

Explanation: Either 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 *SyncPoint* queue-manager attribute will have the value MQSP_NOT_AVAILABLE.

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.

- 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 z/OS, this reason code does not occur.

Completion Code: MQCC_FAILED

Programmer Response: Remove the specification of MQGMO_SYNCPOINT or MQPMO_SYNCPOINT, as appropriate.

- On OS/400, ensure that Commitment Control has been started. If this reason code occurs after Commitment Control has been started, contact your systems programmer.

2315 (X'090B')

MQRC_SYSTEM_BAG_NOT_ALTERABLE

Explanation: 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.

Completion Code: MQCC_FAILED

Completion and reason codes

Programmer Response: Specify the handle of a bag created by the application, or remove the call.

2328 (X'0918')

MQRC_SYSTEM_BAG_NOT_DELETABLE

Explanation: 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.

Completion Code: MQCC_FAILED

Programmer Response: Specify the handle of a bag created by the application, or remove the call.

2302 (X'08FE')

MQRC_SYSTEM_ITEM_NOT_ALTERABLE

Explanation: 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.

Completion Code: MQCC_FAILED

Programmer Response: Specify the selector of a user-defined data item, or remove the call.

2329 (X'0919')

MQRC_SYSTEM_ITEM_NOT_DELETABLE

Explanation: 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.

Completion Code: MQCC_FAILED

Programmer Response: Specify the selector of a user-defined data item, or remove the call.

2146 (X'0862') MQRC_TARGET_BUFFER_ERROR

Explanation: On the MQXCNVC call, the *TargetBuffer* parameter pointer is not valid, or points to read-only storage, or to storage that cannot be accessed for the entire length specified by *TargetLength*. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

This reason code can also occur on the MQGET call when the MQGMO_CONVERT option is specified. In this case it indicates that the MQRC_TARGET_BUFFER_ERROR reason was returned by an MQXCNVC call issued by the data conversion exit.

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: Specify a valid buffer. If the reason code occurs on the MQGET call, check that the logic in the data-conversion exit is correct.

2115 (X'0843') MQRC_TARGET_CCSID_ERROR

Explanation: The coded character-set identifier to which character data is to be converted is not valid or not supported.

This can occur on the MQGET call when the MQGMO_CONVERT option is included in the *GetMsgOpts* parameter; the coded character-set identifier in error is the *CodedCharSetId* field in the *MsgDesc* parameter. In this case, the message data is returned unconverted, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC_WARNING.

This reason can also occur on the MQGET call when the message contains one or more MQ header structures (MQCIH, MQDLH, MQIIH, MQRMH), and the *CodedCharSetId* field in the *MsgDesc* parameter specifies a character set that does not have SBCS characters for the characters that are valid in queue names. The Unicode character set UCS-2 is an example of such a character set.

This reason can also occur on the MQXCNVC call; the coded character-set identifier in error is the *TargetCCSID* parameter. Either the *TargetCCSID* parameter specifies a value that is not valid or not supported, or the *TargetCCSID* parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: Check the character-set identifier that was specified for the *CodedCharSetId* field in the *MsgDesc* parameter on the MQGET call, or that was specified for the *SourceCCSID* parameter on the MQXCNVC 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.

2117 (X'0845')

MQRC_TARGET_DECIMAL_ENC_ERROR

Explanation: On an MQGET call with the MQGMO_CONVERT option included in the *GetMsgOpts* parameter, the *Encoding* value in the *MsgDesc* parameter specifies a decimal encoding that is not recognized. The message data is returned unconverted, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC_WARNING.

Completion Code: MQCC_WARNING

Programmer Response: 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.

2118 (X'0846') MQRC_TARGET_FLOAT_ENC_ERROR

Explanation: On an MQGET call with the MQGMO_CONVERT option included in the *GetMsgOpts* parameter, the *Encoding* value in the *MsgDesc* parameter specifies a floating-point encoding that is not recognized. The message data is returned unconverted, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC_WARNING.

Completion Code: MQCC_WARNING

Programmer Response: 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.

2116 (X'0844')

MQRC_TARGET_INTEGER_ENC_ERROR

Explanation: On an MQGET call with the MQGMO_CONVERT option included in the *GetMsgOpts* parameter, the *Encoding* value in the *MsgDesc* parameter specifies an integer encoding that is not recognized. The message data is returned unconverted, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message being retrieved, and the call completes with MQCC_WARNING.

This reason code can also occur on the MQXCNCV call, when the *Options* parameter contains an unsupported MQDCC_TARGET_* value, or when MQDCC_TARGET_ENC_UNDEFINED is specified for a UCS-2 code page.

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: 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.

2144 (X'0860') MQRC_TARGET_LENGTH_ERROR

Explanation: On the MQXCNCV call, the *TargetLength* parameter is not valid for one of the following reasons:

- *TargetLength* is less than zero.
- The *TargetLength* 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 *TargetLength* is such that the target buffer cannot be filled completely with valid characters. This can occur when *TargetCCSID* is a pure DBCS character set (such as UCS-2), but *TargetLength* specifies a length that is an odd number of bytes.

This reason code can also occur on the MQGET call when the MQGMO_CONVERT option is specified. In this case it indicates that the MQRC_TARGET_LENGTH_ERROR reason was returned by an MQXCNCV call issued by the data conversion exit.

Completion Code: MQCC_WARNING or MQCC_FAILED

Programmer Response: Specify a length that is zero or greater. If the MQDCC_FILL_TARGET_BUFFER option is specified, and *TargetCCSID* is a pure DBCS character set, ensure that *TargetLength* specifies a length that is a multiple of two.

If the reason code occurs on the MQGET call, check that the logic in the data-conversion exit is correct.

2287 (X'08EF') MQRC_TERMINATION_FAILED

Explanation: This reason should be returned by an installable service component when the component is unable to complete termination successfully.

- On z/OS, this reason code does not occur.

Completion Code: MQCC_FAILED

Programmer Response: Correct the error and retry the operation.

2265 (X'08D9') MQRC_TM_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the message data contains an MQTM structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQTM_STRUC_ID.
- The *Version* field is not MQTM_VERSION_1.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

Completion and reason codes

| This reason code occurs in the following environments:
| AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux,
| Windows, plus WebSphere MQ clients connected to
| these systems.

Completion Code: MQCC_FAILED

Programmer Response: Check that the fields in the structure are set correctly.

2191 (X'088F') MQRC_TMC_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the message data contains an MQTMC2 structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQTMC_STRUC_ID.
- The *Version* field is not MQTMC_VERSION_2.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

| This reason code occurs in the following environments:
| AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
| plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Check that the fields in the structure are set correctly.

2075 (X'081B') MQRC_TRIGGER_CONTROL_ERROR

Explanation: On an MQSET call, the value specified for the MQIA_TRIGGER_CONTROL attribute selector is not valid.

Completion Code: MQCC_FAILED

Programmer Response: Specify a valid value. See the *WebSphere MQ Application Programming Guide*.

2076 (X'081C') MQRC_TRIGGER_DEPTH_ERROR

Explanation: On an MQSET call, the value specified for the MQIA_TRIGGER_DEPTH attribute selector is not valid.

Completion Code: MQCC_FAILED

Programmer Response: Specify a value that is greater than zero. See the *WebSphere MQ Application Programming Guide*.

2077 (X'081D')

MQRC_TRIGGER_MSG_PRIORITY_ERR

Explanation: On an MQSET call, the value specified for the MQIA_TRIGGER_MSG_PRIORITY attribute selector is not valid.

Completion Code: MQCC_FAILED

Programmer Response: Specify a value in the range zero through the value of *MaxPriority* queue-manager

attribute. See the *WebSphere MQ Application Programming Guide*.

2078 (X'081E') MQRC_TRIGGER_TYPE_ERROR

Explanation: On an MQSET call, the value specified for the MQIA_TRIGGER_TYPE attribute selector is not valid.

Completion Code: MQCC_FAILED

Programmer Response: Specify a valid value. See the *WebSphere MQ Application Programming Guide*.

2079 (X'081F')

MQRC_TRUNCATED_MSG_ACCEPTED

Explanation: 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.

The *DataLength* parameter is set to the length of the message before truncation, the *Buffer* parameter contains as much of the message as fits, and the MQMD structure is filled in.

Completion Code: MQCC_WARNING

Programmer Response: None, because the application expected this situation.

2080 (X'0820') MQRC_TRUNCATED_MSG_FAILED

Explanation: On an MQGET call, the message length was too large to fit into the supplied buffer. The MQGMO_ACCEPT_TRUNCATED_MSG option was *not* 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.

The *DataLength* field is set to the length of the message before truncation, the *Buffer* parameter contains as much of the message as fits, and the MQMD structure is filled in.

Completion Code: MQCC_WARNING

Programmer Response: Supply a buffer that is at least as large as *DataLength*, or specify MQGMO_ACCEPT_TRUNCATED_MSG if not all of the message data is required.

2341 (X'0925') MQRC_UCS2_CONVERSION_ERROR

Explanation: This reason code is returned by the Java MQQueueManager constructor when a required character-set conversion is not available. The conversion required is between the UCS-2 Unicode character set and the queue-manager's character set. IBM-500 is used for the queue-manager's character set if no specific value is available.

This reason code occurs in the following environment:
MQ Classes for Java on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the relevant Unicode conversion tables are installed, and that they are available to the z/OS Language Environment. The conversion tables should be installed as part of the z/OS C/C++ optional feature. Refer to the z/OS C/C++ *Programming Guide* for more information about enabling UCS-2 conversions.

2195 (X'0893') MQRC_UNEXPECTED_ERROR

Explanation: The call was rejected because an unexpected error occurred.

Completion Code: MQCC_FAILED

Programmer Response: 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.

- On z/OS, check whether any information has been displayed on the console. If this error occurs on an MQCONN or MQCONNx 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 and OS/400, consult the FFST record to obtain more detail about the problem.
- On Compaq OpenVMS Alpha, Compaq NonStop Kernel, and UNIX systems, consult the FDC file to obtain more detail about the problem.

2232 (X'08B8')

MQRC_UNIT_OF_WORK_NOT_STARTED

Explanation: 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.

Completion Code: MQCC_FAILED

Programmer Response: 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.

2082 (X'0822') MQRC_UNKNOWN_ALIAS_BASE_Q

Explanation: An MQOPEN or MQPUT1 call was issued specifying an alias queue as the target, but the *BaseQName* in the alias queue attributes is not recognized as a queue name.

This reason code can also occur when *BaseQName* is the name of a cluster queue that cannot be resolved successfully.

Completion Code: MQCC_FAILED

Programmer Response: Correct the queue definitions.

2197 (X'0895') MQRC_UNKNOWN_DEF_XMIT_Q

Explanation: 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 *XmitQName* attribute in the local definition is blank.

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 *DefXmitQName* queue-manager attribute is not the name of a locally-defined queue.

Completion Code: MQCC_FAILED

Programmer Response: Correct the queue definitions, or the queue-manager attribute. See the *WebSphere MQ Application Programming Guide* for more information.

2292 (X'08F4') MQRC_UNKNOWN_ENTITY

Explanation: This reason should be returned by the authority installable service component when the name specified by the *EntityName* parameter is not recognized.

- On z/OS, this reason code does not occur.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the entity is defined.

2085 (X'0825') MQRC_UNKNOWN_OBJECT_NAME

Explanation: An MQOPEN or MQPUT1 call was issued, but the object identified by the *ObjectName* and *ObjectQMgrName* fields in the object descriptor MQOD cannot be found. One of the following applies:

- The *ObjectQMgrName* field is one of the following:
 - Blank
 - The name of the local queue manager

Completion and reason codes

- The name of a local definition of a remote queue (a queue-manager alias) in which the *RemoteQMgrName* attribute is the name of the local queue manager

but no object with the specified *ObjectName* and *ObjectType* exists on the local queue manager.

- The object being opened 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.
- The object being opened is a queue definition that has QSGDISP(GROUP). Such definitions cannot be used with the MQOPEN and MQPUT1 calls.

Completion Code: MQCC_FAILED

Programmer Response: 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.

2086 (X'0826') MQRC_UNKNOWN_OBJECT_Q_MGR

Explanation: On an MQOPEN or MQPUT1 call, the *ObjectQMgrName* field in the object descriptor MQOD does not satisfy the naming rules for objects. For more information, see the *WebSphere MQ Application Programming Guide*.

This reason also occurs if the *ObjectType* field in the object descriptor has the value MQOT_Q_MGR, and the *ObjectQMgrName* field is not blank, but the name specified is not the name of the local queue manager.

Completion Code: MQCC_FAILED

Programmer Response: Specify a valid queue manager name. To refer to the local queue manager, a name consisting entirely of blanks or beginning with a null character can be used. Ensure that the name is padded to the right with blanks or terminated with a null character if necessary.

2288 (X'08F0') MQRC_UNKNOWN_Q_NAME

Explanation: This reason should be returned by the MQZ_LOOKUP_NAME installable service component when the name specified for the *QName* parameter is not recognized.

- On z/OS, this reason code does not occur.

Completion Code: MQCC_FAILED

Programmer Response: None. See the *WebSphere MQ System Administration Guide* book for information about installable services.

2294 (X'08F6') MQRC_UNKNOWN_REF_OBJECT

Explanation: This reason should be returned by the MQZ_COPY_ALL_AUTHORITY installable service component when the name specified by the *RefObjectName* parameter is not recognized.

- On z/OS, this reason code does not occur.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the reference object is defined. See the *WebSphere MQ System Administration Guide* book for information about installable services.

2087 (X'0827')

MQRC_UNKNOWN_REMOTE_Q_MGR

Explanation: On an MQOPEN or MQPUT1 call, an error occurred with the queue-name resolution, for one of the following reasons:

- *ObjectQMgrName* is blank or the name of the local queue manager, *ObjectName* is the name of a local definition of a remote queue (or an alias to one), and one of the following is true:
 - *RemoteQMgrName* is blank or the name of the local queue manager. Note that this error occurs even if *XmitQName* is not blank.
 - *XmitQName* is blank, but there is no transmission queue defined with the name of *RemoteQMgrName*, and the *DefXmitQName* queue-manager attribute is blank.
 - *RemoteQMgrName* and *RemoteQName* specify a cluster queue that cannot be resolved successfully, and the *DefXmitQName* queue-manager attribute is blank.
- *ObjectQMgrName* is the name of a local definition of a remote queue (containing a queue-manager alias definition), and one of the following is true:
 - *RemoteQName* is not blank.
 - *XmitQName* is blank, but there is no transmission queue defined with the name of *RemoteQMgrName*, and the *DefXmitQName* queue-manager attribute is blank.
- *ObjectQMgrName* is not:
 - 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 *RemoteQName*)

but the *DefXmitQName* queue-manager attribute is blank.

- *ObjectQMgrName* 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 *DefXmitQName* queue-manager attribute is blank.

Completion Code: MQCC_FAILED

Programmer Response: Check the values specified for *ObjectQMgrName* and *ObjectName*. If these are correct, check the queue definitions.

2104 (X'0838')

MQRC_UNKNOWN_REPORT_OPTION

Explanation: An MQPUT or MQPUT1 call was issued, but the *Report* field in the message descriptor MQMD contains one or more options that are not recognized by the local queue manager. The options are accepted.

The options that cause this reason code to be returned depend on the destination of the message; see Appendix E of the *WebSphere MQ Application Programming Guide* for more details.

Completion Code: MQCC_WARNING

Programmer Response: If this reason code is expected, no corrective action is required. If this reason code is not expected, do the following:

- Ensure that the *Report* 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.
- Ensure that the report options specified are ones that are documented in this book; see the *Report* field described in Appendix E of the *WebSphere MQ Application Programming Guide* for valid report options. Remove any report options that are not documented in this book.
- If multiple report options are being set by adding the individual report options together, ensure that the same report option is not added twice.
- Check that conflicting report options are not specified. For example, do not add both MQRO_EXCEPTION and MQRO_EXCEPTION_WITH_DATA to the *Report* field; only one of these can be specified.

2196 (X'0894') MQRC_UNKNOWN_XMIT_Q

Explanation: On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager. The *ObjectName* or the *ObjectQMgrName* 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 *XmitQName* attribute of the definition is not blank and not the name of a locally-defined queue.

Completion Code: MQCC_FAILED

Programmer Response: Check the values specified for *ObjectName* and *ObjectQMgrName*. If these are correct, check the queue definitions. For more information on transmission queues, see the *WebSphere MQ Application Programming Guide*.

2400 (X'0960')

MQRC_UNSUPPORTED_CIPHER_SUITE

Explanation: A connection to a queue manager was requested, specifying SSL encryption. However, JSSE reported that it does not support the CipherSuite specified by the application.

| This reason code occurs only with Java applications.

| **Completion Code:** MQCC_FAILED

| **Programmer Response:** Check the CipherSuite specified by the application. Note that the names of JSSE CipherSuites differ from their equivalent CipherSpecs used by the queue manager.

| Also, check that JSSE is correctly installed.

2297 (X'08F9') MQRC_UOW_CANCELED

Explanation: An MQI call was issued, but the unit of work (TM/MP transaction) being used for the MQ operation had been canceled. This may 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 resources owned by the queue manager are backed out.

Completion Code: MQCC_FAILED

Programmer Response: Refer to the operating system's *Transaction Management Operations Guide* to determine how the Transaction Manager can be tuned to avoid the problem of system limits being exceeded.

2354 (X'0932') MQRC_UOW_ENLISTMENT_ERROR

Explanation: This reason code can occur for a variety of reasons. The most likely reason is that an object created by a DTC transaction does not issue a transactional MQI call until after the DTC transaction has timed out. (If the DTC transaction times out after a transactional MQI call has been issued, reason code MQRC_HANDLE_IN_USE_FOR_UOW is returned by the failing MQI call.)

Another cause of MQRC_UOW_ENLISTMENT_ERROR is incorrect installation; Windows NT Service pack must be installed after the Windows NT Option pack.

This reason code occurs only on Windows.

Completion Code: MQCC_FAILED

Programmer Response: Check the DTC "Transaction timeout" value. If necessary, verify the NT installation order.

2128 (X'0850') MQRC_UOW_IN_PROGRESS

Explanation: 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 may 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.

| This reason code occurs in the following environments:
| AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows.

Completion and reason codes

Completion Code: MQCC_FAILED

Programmer Response: 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.

2355 (X'0933') MQRC_UOW_MIX_NOT_SUPPORTED

Explanation: The mixture of calls used by the application to perform operations within a unit of work is not supported. In particular, it is not possible to mix within the same process a local unit of work coordinated by the queue manager with a global unit of work coordinated by DTC (Distributed Transaction Coordinator).

An application may cause this mixture to arise if some objects in a package are coordinated by DTC and others are not. It can also occur if transactional MQI calls from an MTS client are mixed with transactional MQI calls from a library package transactional MTS object.

No problem arises if all transactional MQI calls originate from transactional MTS objects, or all transactional MQI calls originate from nontransactional MTS objects. But when a mixture of styles is used, the first style used fixes the style for the unit of work, and subsequent attempts to use the other style within the process fail with reason code MQRC_UOW_MIX_NOT_SUPPORTED.

When an application is run twice, scheduling factors in the operating system mean that it is possible for the queue-manager-coordinated transactional calls to fail in one run, and for the DTC-coordinated transactional calls to fail in the other run.

| This reason code occurs only on Windows when
| running a version of the queue manager prior to
| version 5.2.

Completion Code: MQCC_FAILED

Programmer Response: Check that the “MTS Transaction Support” attribute defined for the object’s class is set correctly. If necessary, modify the application so that objects executing within different units of work do not try to use the same connection handle.

2255 (X'08CF') MQRC_UOW_NOT_AVAILABLE

Explanation: 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.

This reason occurs in the following circumstances:

- 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.

| This reason code occurs in the following environments:
| AIX, HP-UX, OS/2, OS/400, Solaris, Linux, Windows,
| plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: 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.

2291 (X'08F3') MQRC_USER_ID_NOT_AVAILABLE

Explanation: This reason should be returned by the MQZ_FIND_USERID installable service component when the user ID cannot be determined.

- On z/OS, this reason code does not occur.

Completion Code: MQCC_FAILED

Programmer Response: None. See the *WebSphere MQ System Administration Guide* book for information about installable services.

2090 (X'082A') MQRC_WAIT_INTERVAL_ERROR

Explanation: On the MQGET call, the value specified for the *WaitInterval* field in the *GetMsgOpts* parameter is not valid.

Completion Code: MQCC_FAILED

Programmer Response: Specify a value greater than or equal to zero, or the special value MQWI_UNLIMITED if an indefinite wait is required.

2333 (X'091D') MQRC_WIH_ERROR

Explanation: An MQPUT or MQPUT1 call was issued, but the message data contains an MQWIH structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQWIH_STRUC_ID.
- The *Version* field is not MQWIH_VERSION_1.
- The *StrucLength* field is not MQWIH_LENGTH_1.
- The *CodedCharSetId* field is zero, or a negative value that is not valid.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).
- On z/OS, this error also occurs when the *IndexType* attribute of the queue is MQIT_MSG_TOKEN, but the message data does not begin with an MQWIH structure.

Completion Code: MQCC_FAILED

Programmer Response: Check that the fields in the structure are set correctly. Ensure that the application sets the *CodedCharSetId* field to a valid value (note: MQCCSI_DEFAULT, MQCCSI_EMBEDDED, MQCCSI_Q_MGR, and MQCCSI_UNDEFINED are *not* valid in this field).

- On z/OS, if the queue has an *IndexType* of MQIT_MSG_TOKEN, ensure that the message data begins with an MQWIH structure.

2366 (X'093E') MQRC_WRONG_CF_LEVEL

Explanation: An MQOPEN or MQPUT1 call was issued specifying a shared queue, but the queue requires a coupling-facility structure with a different level of capability.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the coupling-facility structure used for the queue is at the level required to support the capabilities that the queue provides.

2256 (X'08D0') MQRC_WRONG_GMO_VERSION

Explanation: 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.

This reason code occurs in the following environments:
AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux, Windows, plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Modify the application to pass a version-2 MQGMO. Check the application logic to ensure that the *Version* field in MQGMO has been set to MQGMO_VERSION_2. Alternatively, remove the option that requires the version-2 MQGMO.

2257 (X'08D1') MQRC_WRONG_MD_VERSION

Explanation: 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.

This reason code occurs in the following environments:
AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux, Windows, plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Modify the application to pass a version-2 MQMD. Check the application logic to ensure that the *Version* field in MQMD has been set to MQMD_VERSION_2. Alternatively, remove the option

that requires the version-2 MQMD.

6128 (X'17FO') MQRC_WRONG_VERSION

Explanation: A method failed because a version number specified or encountered is either incorrect or not supported.

For the ImqCICSBridgeHeader class, the problem is with the **version** attribute.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

Programmer Response: If you are specifying a version number, use one that is supported by the class. If you are receiving message data from another program, ensure that both programs are using consistent and supported version numbers.

2356 (X'0934') MQRC_WXP_ERROR

Explanation: An MQXCLWLN call was issued from a cluster workload exit to obtain the address of the next record in the chain, but the workload exit parameter structure *ExitParms* is not valid, for one of the following reasons:

- 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 *StrucId* field is not MQWXP_STRUC_ID.
- The *Version* field is not MQWXP_VERSION_2.
- The *CacheContext* field does not contain the value passed to the exit by the queue manager.

Completion Code: MQCC_FAILED

Programmer Response: Ensure that the parameter specified for *ExitParms* is the MQWXP structure that was passed to the exit when the exit was invoked.

2091 (X'082B') MQRC_XMIT_Q_TYPE_ERROR

Explanation: On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager. The *ObjectName* or *ObjectQMgrName* field in the object descriptor specifies the name of a local definition of a remote queue but one of the following applies to the *XmitQName* attribute of the definition:

- *XmitQName* is not blank, but specifies a queue that is not a local queue
- *XmitQName* is blank, but *RemoteQMgrName* specifies a queue that is not a local queue

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.

Completion Code: MQCC_FAILED

Programmer Response: Check the values specified for

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ObjectName and *ObjectQMgrName*. If these are correct, check the queue definitions. For more information on transmission queues, see the *WebSphere MQ Application Programming Guide*.

2092 (X'082C') MQRC_XMIT_Q_USAGE_ERROR

- Explanation:** On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager, but one of the following occurred:
- *ObjectQMgrName* specifies the name of a local queue, but it does not have a *Usage* attribute of MQUS_TRANSMISSION.
 - The *ObjectName* or *ObjectQMgrName* field in the object descriptor specifies the name of a local definition of a remote queue but one of the following applies to the *XmitQName* attribute of the definition:
 - *XmitQName* is not blank, but specifies a queue that does not have a *Usage* attribute of MQUS_TRANSMISSION
 - *XmitQName* is blank, but *RemoteQMgrName* specifies a queue that does not have a *Usage* attribute of MQUS_TRANSMISSION
 - *XmitQName* specifies the queue SYSTEM.QSG.TRANSMIT.QUEUE but the IGQ queue manager attribute indicates that IGQ is DISABLED.
 - 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 *Usage* attribute of MQUS_TRANSMISSION.

Completion Code: MQCC_FAILED

Programmer Response: Check the values specified for *ObjectName* and *ObjectQMgrName*. If these are correct, check the queue definitions. For more information on transmission queues, see the *WebSphere MQ Application Programming Guide*.

2260 (X'08D4') MQRC_XQH_ERROR

- Explanation:** An MQPUT or MQPUT1 call was issued, but the message data contains an MQXQH structure that is not valid. Possible errors include the following:
- The *StrucId* field is not MQXQH_STRUC_ID.
 - The *Version* field is not MQXQH_VERSION_1.
 - The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).
- This reason code occurs in the following environments:
AIX, HP-UX, z/OS, OS/2, OS/400, Solaris, Linux, Windows, plus WebSphere MQ clients connected to these systems.

Completion Code: MQCC_FAILED

Programmer Response: Check that the fields in the structure are set correctly.

2107 (X'083B') MQRC_XWAIT_CANCELED

Explanation: An MQXWAIT call was issued, but the 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 *WebSphere MQ Intercommunication* book for details of the MQXWAIT call.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Tidy up and terminate.

2108 (X'083C') MQRC_XWAIT_ERROR

Explanation: An MQXWAIT call was issued, but the invocation was not valid for one of the following reasons:

- The wait descriptor MQXWD contains data that is not valid.
- The linkage stack level is not valid.
- The addressing mode is not valid.
- There are too many wait events outstanding.

This reason code occurs only on z/OS.

Completion Code: MQCC_FAILED

Programmer Response: Obey the rules for using the MQXWAIT call. Refer to the *WebSphere MQ Intercommunication* book for details of this call.

6116 (X'17E4') MQRC_ZERO_LENGTH

Explanation: A zero length has been supplied where a positive length is either required or implied.

This reason code occurs in the MQSeries C++ environment.

Completion Code: MQCC_FAILED

Reason code list (numeric order)

The following is a reference list of reason codes in numeric order; for detailed information about a code, see “Reason code list (alphabetic order)” on page 482.

0 (X'0000')	MQRC_NONE
900 (X'0384')	MQRC_APPL_FIRST
999 (X'03E7')	MQRC_APPL_LAST
2001 (X'07D1')	MQRC_ALIAS_BASE_Q_TYPE_ERROR
2002 (X'07D2')	MQRC_ALREADY_CONNECTED
2003 (X'07D3')	MQRC_BACKED_OUT
2004 (X'07D4')	MQRC_BUFFER_ERROR
2005 (X'07D5')	MQRC_BUFFER_LENGTH_ERROR
2006 (X'07D6')	MQRC_CHAR_ATTR_LENGTH_ERROR
2007 (X'07D7')	MQRC_CHAR_ATTRS_ERROR
2008 (X'07D8')	MQRC_CHAR_ATTRS_TOO_SHORT
2009 (X'07D9')	MQRC_CONNECTION_BROKEN
2010 (X'07DA')	MQRC_DATA_LENGTH_ERROR
2011 (X'07DB')	MQRC_DYNAMIC_Q_NAME_ERROR
2012 (X'07DC')	MQRC_ENVIRONMENT_ERROR
2013 (X'07DD')	MQRC_EXPIRY_ERROR
2014 (X'07DE')	MQRC_FEEDBACK_ERROR
2016 (X'07E0')	MQRC_GET_INHIBITED
2017 (X'07E1')	MQRC_HANDLE_NOT_AVAILABLE
2018 (X'07E2')	MQRC_HCONN_ERROR
2019 (X'07E3')	MQRC_HOBJ_ERROR
2020 (X'07E4')	MQRC_INHIBIT_VALUE_ERROR
2021 (X'07E5')	MQRC_INT_ATTR_COUNT_ERROR
2022 (X'07E6')	MQRC_INT_ATTR_COUNT_TOO_SMALL
2023 (X'07E7')	MQRC_INT_ATTRS_ARRAY_ERROR
2024 (X'07E8')	MQRC_SYNCPOINT_LIMIT_REACHED
2025 (X'07E9')	MQRC_MAX_CONNS_LIMIT_REACHED
2026 (X'07EA')	MQRC_MD_ERROR
2027 (X'07EB')	MQRC_MISSING_REPLY_TO_Q
2029 (X'07ED')	MQRC_MSG_TYPE_ERROR
2030 (X'07EE')	MQRC_MSG_TOO_BIG_FOR_Q
2031 (X'07EF')	MQRC_MSG_TOO_BIG_FOR_Q_MGR
2033 (X'07F1')	MQRC_NO_MSG_AVAILABLE
2034 (X'07F2')	MQRC_NO_MSG_UNDER_CURSOR
2035 (X'07F3')	MQRC_NOT_AUTHORIZED
2036 (X'07F4')	MQRC_NOT_OPEN_FOR_BROWSE
2037 (X'07F5')	MQRC_NOT_OPEN_FOR_INPUT
2038 (X'07F6')	MQRC_NOT_OPEN_FOR_INQUIRE
2039 (X'07F7')	MQRC_NOT_OPEN_FOR_OUTPUT
2040 (X'07F8')	MQRC_NOT_OPEN_FOR_SET
2041 (X'07F9')	MQRC_OBJECT_CHANGED
2042 (X'07FA')	MQRC_OBJECT_IN_USE
2043 (X'07FB')	MQRC_OBJECT_TYPE_ERROR
2044 (X'07FC')	MQRC_OD_ERROR
2045 (X'07FD')	MQRC_OPTION_NOT_VALID_FOR_TYPE
2046 (X'07FE')	MQRC_OPTIONS_ERROR
2047 (X'07FF')	MQRC_PERSISTENCE_ERROR
2048 (X'0800')	MQRC_PERSISTENT_NOT_ALLOWED
2049 (X'0801')	MQRC_PRIORITY_EXCEEDS_MAXIMUM
2050 (X'0802')	MQRC_PRIORITY_ERROR
2051 (X'0803')	MQRC_PUT_INHIBITED
2052 (X'0804')	MQRC_Q_DELETED

Completion and reason codes

2053 (X'0805')	MQRC_Q_FULL
2055 (X'0807')	MQRC_Q_NOT_EMPTY
2056 (X'0808')	MQRC_Q_SPACE_NOT_AVAILABLE
2057 (X'0809')	MQRC_Q_TYPE_ERROR
2058 (X'080A')	MQRC_Q_MGR_NAME_ERROR
2059 (X'080B')	MQRC_Q_MGR_NOT_AVAILABLE
2061 (X'080D')	MQRC_REPORT_OPTIONS_ERROR
2062 (X'080E')	MQRC_SECOND_MARK_NOT_ALLOWED
2063 (X'080F')	MQRC_SECURITY_ERROR
2065 (X'0811')	MQRC_SELECTOR_COUNT_ERROR
2066 (X'0812')	MQRC_SELECTOR_LIMIT_EXCEEDED
2067 (X'0813')	MQRC_SELECTOR_ERROR
2068 (X'0814')	MQRC_SELECTOR_NOT_FOR_TYPE
2069 (X'0815')	MQRC_SIGNAL_OUTSTANDING
2070 (X'0816')	MQRC_SIGNAL_REQUEST_ACCEPTED
2071 (X'0817')	MQRC_STORAGE_NOT_AVAILABLE
2072 (X'0818')	MQRC_SYNCPOINT_NOT_AVAILABLE
2075 (X'081B')	MQRC_TRIGGER_CONTROL_ERROR
2076 (X'081C')	MQRC_TRIGGER_DEPTH_ERROR
2077 (X'081D')	MQRC_TRIGGER_MSG_PRIORITY_ERR
2078 (X'081E')	MQRC_TRIGGER_TYPE_ERROR
2079 (X'081F')	MQRC_TRUNCATED_MSG_ACCEPTED
2080 (X'0820')	MQRC_TRUNCATED_MSG_FAILED
2082 (X'0822')	MQRC_UNKNOWN_ALIAS_BASE_Q
2085 (X'0825')	MQRC_UNKNOWN_OBJECT_NAME
2086 (X'0826')	MQRC_UNKNOWN_OBJECT_Q_MGR
2087 (X'0827')	MQRC_UNKNOWN_REMOTE_Q_MGR
2090 (X'082A')	MQRC_WAIT_INTERVAL_ERROR
2091 (X'082B')	MQRC_XMIT_Q_TYPE_ERROR
2092 (X'082C')	MQRC_XMIT_Q_USAGE_ERROR
2093 (X'082D')	MQRC_NOT_OPEN_FOR_PASS_ALL
2094 (X'082E')	MQRC_NOT_OPEN_FOR_PASS_IDENT
2095 (X'082F')	MQRC_NOT_OPEN_FOR_SET_ALL
2096 (X'0830')	MQRC_NOT_OPEN_FOR_SET_IDENT
2097 (X'0831')	MQRC_CONTEXT_HANDLE_ERROR
2098 (X'0832')	MQRC_CONTEXT_NOT_AVAILABLE
2099 (X'0833')	MQRC_SIGNAL1_ERROR
2100 (X'0834')	MQRC_OBJECT_ALREADY_EXISTS
2101 (X'0835')	MQRC_OBJECT_DAMAGED
2102 (X'0836')	MQRC_RESOURCE_PROBLEM
2103 (X'0837')	MQRC_ANOTHER_Q_MGR_CONNECTED
2104 (X'0838')	MQRC_UNKNOWN_REPORT_OPTION
2105 (X'0839')	MQRC_STORAGE_CLASS_ERROR
2106 (X'083A')	MQRC_COD_NOT_VALID_FOR_XCF_Q
2107 (X'083B')	MQRC_XWAIT_CANCELED
2108 (X'083C')	MQRC_XWAIT_ERROR
2109 (X'083D')	MQRC_SUPPRESSED_BY_EXIT
2110 (X'083E')	MQRC_FORMAT_ERROR
2111 (X'083F')	MQRC_SOURCE_CCSID_ERROR
2112 (X'0840')	MQRC_SOURCE_INTEGER_ENC_ERROR
2113 (X'0841')	MQRC_SOURCE_DECIMAL_ENC_ERROR
2114 (X'0842')	MQRC_SOURCE_FLOAT_ENC_ERROR
2115 (X'0843')	MQRC_TARGET_CCSID_ERROR
2116 (X'0844')	MQRC_TARGET_INTEGER_ENC_ERROR
2117 (X'0845')	MQRC_TARGET_DECIMAL_ENC_ERROR
2118 (X'0846')	MQRC_TARGET_FLOAT_ENC_ERROR

Completion and reason codes

2119 (X'0847')	MQRC_NOT_CONVERTED
2120 (X'0848')	MQRC_CONVERTED_MSG_TOO_BIG
2121 (X'0849')	MQRC_NO_EXTERNAL_PARTICIPANTS
2122 (X'084A')	MQRC_PARTICIPANT_NOT_AVAILABLE
2123 (X'084B')	MQRC_OUTCOME_MIXED
2124 (X'084C')	MQRC_OUTCOME_PENDING
2125 (X'084D')	MQRC_BRIDGE_STARTED
2126 (X'084E')	MQRC_BRIDGE_STOPPED
2127 (X'084F')	MQRC_ADAPTER_STORAGE_SHORTAGE
2128 (X'0850')	MQRC_UOW_IN_PROGRESS
2129 (X'0851')	MQRC_ADAPTER_CONN_LOAD_ERROR
2130 (X'0852')	MQRC_ADAPTER_SERV_LOAD_ERROR
2131 (X'0853')	MQRC_ADAPTER_DEFS_ERROR
2132 (X'0854')	MQRC_ADAPTER_DEFS_LOAD_ERROR
2133 (X'0855')	MQRC_ADAPTER_CONV_LOAD_ERROR
2134 (X'0856')	MQRC_BO_ERROR
2135 (X'0857')	MQRC_DH_ERROR
2136 (X'0858')	MQRC_MULTIPLE_REASONS
2137 (X'0859')	MQRC_OPEN_FAILED
2138 (X'085A')	MQRC_ADAPTER_DISC_LOAD_ERROR
2139 (X'085B')	MQRC_CNO_ERROR
2140 (X'085C')	MQRC_CICS_WAIT_FAILED
2141 (X'085D')	MQRC_DLH_ERROR
2142 (X'085E')	MQRC_HEADER_ERROR
2143 (X'085F')	MQRC_SOURCE_LENGTH_ERROR
2144 (X'0860')	MQRC_TARGET_LENGTH_ERROR
2145 (X'0861')	MQRC_SOURCE_BUFFER_ERROR
2146 (X'0862')	MQRC_TARGET_BUFFER_ERROR
2148 (X'0864')	MQRC_IIH_ERROR
2149 (X'0865')	MQRC_PCF_ERROR
2150 (X'0866')	MQRC_DBCS_ERROR
2152 (X'0868')	MQRC_OBJECT_NAME_ERROR
2153 (X'0869')	MQRC_OBJECT_Q_MGR_NAME_ERROR
2154 (X'086A')	MQRC_RECS_PRESENT_ERROR
2155 (X'086B')	MQRC_OBJECT_RECORDS_ERROR
2156 (X'086C')	MQRC_RESPONSE_RECORDS_ERROR
2157 (X'086D')	MQRC_ASID_MISMATCH
2158 (X'086E')	MQRC_PMO_RECORD_FLAGS_ERROR
2159 (X'086F')	MQRC_PUT_MSG_RECORDS_ERROR
2160 (X'0870')	MQRC_CONN_ID_IN_USE
2161 (X'0871')	MQRC_Q_MGR QUIESCING
2162 (X'0872')	MQRC_Q_MGR_STOPPING
2163 (X'0873')	MQRC_DUPLICATE_RECOV_COORD
2173 (X'087D')	MQRC_PMO_ERROR
2183 (X'0887')	MQRC_API_EXIT_LOAD_ERROR
2184 (X'0888')	MQRC_REMOTE_Q_NAME_ERROR
2185 (X'0889')	MQRC_INCONSISTENT_PERSISTENCE
2186 (X'088A')	MQRC_GMO_ERROR
2187 (X'088B')	MQRC_CICS_BRIDGE_RESTRICTION
2188 (X'088C')	MQRC_STOPPED_BY_CLUSTER_EXIT
2189 (X'088D')	MQRC_CLUSTER_RESOLUTION_ERROR
2190 (X'088E')	MQRC_CONVERTED_STRING_TOO_BIG
2191 (X'088F')	MQRC_TMC_ERROR
2192 (X'0890')	MQRC_PAGESET_FULL
2192 (X'0890')	MQRC_STORAGE_MEDIUM_FULL
2193 (X'0891')	MQRC_PAGESET_ERROR

Completion and reason codes

2194 (X'0892')	MQRC_NAME_NOT_VALID_FOR_TYPE
2195 (X'0893')	MQRC_UNEXPECTED_ERROR
2196 (X'0894')	MQRC_UNKNOWN_XMIT_Q
2197 (X'0895')	MQRC_UNKNOWN_DEF_XMIT_Q
2198 (X'0896')	MQRC_DEF_XMIT_Q_TYPE_ERROR
2199 (X'0897')	MQRC_DEF_XMIT_Q_USAGE_ERROR
2201 (X'0899')	MQRC_NAME_IN_USE
2202 (X'089A')	MQRC_CONNECTION_QUIESCING
2203 (X'089B')	MQRC_CONNECTION_STOPPING
2204 (X'089C')	MQRC_ADAPTER_NOT_AVAILABLE
2206 (X'089E')	MQRC_MSG_ID_ERROR
2207 (X'089F')	MQRC_CORREL_ID_ERROR
2208 (X'08A0')	MQRC_FILE_SYSTEM_ERROR
2209 (X'08A1')	MQRC_NO_MSG_LOCKED
2217 (X'08A9')	MQRC_CONNECTION_NOT_AUTHORIZED
2218 (X'08AA')	MQRC_MSG_TOO_BIG_FOR_CHANNEL
2219 (X'08AB')	MQRC_CALL_IN_PROGRESS
2220 (X'08AC')	MQRC_RMH_ERROR
2222 (X'08AE')	MQRC_Q_MGR_ACTIVE
2223 (X'08AF')	MQRC_Q_MGR_NOT_ACTIVE
2224 (X'08B0')	MQRC_Q_DEPTH_HIGH
2225 (X'08B1')	MQRC_Q_DEPTH_LOW
2226 (X'08B2')	MQRC_Q_SERVICE_INTERVAL_HIGH
2227 (X'08B3')	MQRC_Q_SERVICE_INTERVAL_OK
2232 (X'08B8')	MQRC_UNIT_OF_WORK_NOT_STARTED
2233 (X'08B9')	MQRC_CHANNEL_AUTO_DEF_OK
2234 (X'08BA')	MQRC_CHANNEL_AUTO_DEF_ERROR
2235 (X'08BB')	MQRC_CFH_ERROR
2236 (X'08BC')	MQRC_CFIL_ERROR
2237 (X'08BD')	MQRC_CFIN_ERROR
2238 (X'08BE')	MQRC_CFSL_ERROR
2239 (X'08BF')	MQRC_CFST_ERROR
2241 (X'08C1')	MQRC_INCOMPLETE_GROUP
2242 (X'08C2')	MQRC_INCOMPLETE_MSG
2243 (X'08C3')	MQRC_INCONSISTENT_CCSIDS
2244 (X'08C4')	MQRC_INCONSISTENT_ENCODINGS
2245 (X'08C5')	MQRC_INCONSISTENT_UOW
2246 (X'08C6')	MQRC_INVALID_MSG_UNDER_CURSOR
2247 (X'08C7')	MQRC_MATCH_OPTIONS_ERROR
2248 (X'08C8')	MQRC_MDE_ERROR
2249 (X'08C9')	MQRC_MSG_FLAGS_ERROR
2250 (X'08CA')	MQRC_MSG_SEQ_NUMBER_ERROR
2251 (X'08CB')	MQRC_OFFSET_ERROR
2252 (X'08CC')	MQRC_ORIGINAL_LENGTH_ERROR
2253 (X'08CD')	MQRC_SEGMENT_LENGTH_ZERO
2255 (X'08CF')	MQRC_UOW_NOT_AVAILABLE
2256 (X'08D0')	MQRC_WRONG_GMO_VERSION
2257 (X'08D1')	MQRC_WRONG_MD_VERSION
2258 (X'08D2')	MQRC_GROUP_ID_ERROR
2259 (X'08D3')	MQRC_INCONSISTENT_BROWSE
2260 (X'08D4')	MQRC_XQH_ERROR
2261 (X'08D5')	MQRC_SRC_ENV_ERROR
2262 (X'08D6')	MQRC_SRC_NAME_ERROR
2263 (X'08D7')	MQRC_DEST_ENV_ERROR
2264 (X'08D8')	MQRC_DEST_NAME_ERROR
2265 (X'08D9')	MQRC_TM_ERROR

Completion and reason codes

2266 (X'08DA')	MQRC_CLUSTER_EXIT_ERROR
2267 (X'08DB')	MQRC_CLUSTER_EXIT_LOAD_ERROR
2268 (X'08DC')	MQRC_CLUSTER_PUT_INHIBITED
2269 (X'08DD')	MQRC_CLUSTER_RESOURCE_ERROR
2270 (X'08DE')	MQRC_NO_DESTINATIONS_AVAILABLE
2271 (X'08DF')	MQRC_CONN_TAG_IN_USE
2272 (X'08E0')	MQRC_PARTIALLY_CONVERTED
2273 (X'08E1')	MQRC_CONNECTION_ERROR
2274 (X'08E2')	MQRC_OPTION_ENVIRONMENT_ERROR
2277 (X'08E5')	MQRC_CD_ERROR
2278 (X'08E6')	MQRC_CLIENT_CONN_ERROR
2279 (X'08E7')	MQRC_CHANNEL_STOPPED_BY_USER
2280 (X'08E8')	MQRC_HCONFIG_ERROR
2281 (X'08E9')	MQRC_FUNCTION_ERROR
2282 (X'08EA')	MQRC_CHANNEL_STARTED
2283 (X'08EB')	MQRC_CHANNEL_STOPPED
2284 (X'08EC')	MQRC_CHANNEL_CONV_ERROR
2285 (X'08ED')	MQRC_SERVICE_NOT_AVAILABLE
2286 (X'08EE')	MQRC_INITIALIZATION_FAILED
2287 (X'08EF')	MQRC_TERMINATION_FAILED
2288 (X'08F0')	MQRC_UNKNOWN_Q_NAME
2289 (X'08F1')	MQRC_SERVICE_ERROR
2290 (X'08F2')	MQRC_Q_ALREADY_EXISTS
2291 (X'08F3')	MQRC_USER_ID_NOT_AVAILABLE
2292 (X'08F4')	MQRC_UNKNOWN_ENTITY
2294 (X'08F6')	MQRC_UNKNOWN_REF_OBJECT
2295 (X'08F7')	MQRC_CHANNEL_ACTIVATED
2296 (X'08F8')	MQRC_CHANNEL_NOT_ACTIVATED
2297 (X'08F9')	MQRC_UOW_CANCELED
2298 (X'08FA')	MQRC_FUNCTION_NOT_SUPPORTED
2299 (X'08FB')	MQRC_SELECTOR_TYPE_ERROR
2300 (X'08FC')	MQRC_COMMAND_TYPE_ERROR
2301 (X'08FD')	MQRC_MULTIPLE_INSTANCE_ERROR
2302 (X'08FE')	MQRC_SYSTEM_ITEM_NOT_ALTERABLE
2303 (X'08FF')	MQRC_BAG_CONVERSION_ERROR
2304 (X'0900')	MQRC_SELECTOR_OUT_OF_RANGE
2305 (X'0901')	MQRC_SELECTOR_NOT_UNIQUE
2306 (X'0902')	MQRC_INDEX_NOT_PRESENT
2307 (X'0903')	MQRC_STRING_ERROR
2308 (X'0904')	MQRC_ENCODING_NOT_SUPPORTED
2309 (X'0905')	MQRC_SELECTOR_NOT_PRESENT
2310 (X'0906')	MQRC_OUT_SELECTOR_ERROR
2311 (X'0907')	MQRC_STRING_TRUNCATED
2312 (X'0908')	MQRC_SELECTOR_WRONG_TYPE
2313 (X'0909')	MQRC_INCONSISTENT_ITEM_TYPE
2314 (X'090A')	MQRC_INDEX_ERROR
2315 (X'090B')	MQRC_SYSTEM_BAG_NOT_ALTERABLE
2316 (X'090C')	MQRC_ITEM_COUNT_ERROR
2317 (X'090D')	MQRC_FORMAT_NOT_SUPPORTED
2318 (X'090E')	MQRC_SELECTOR_NOT_SUPPORTED
2319 (X'090F')	MQRC_ITEM_VALUE_ERROR
2320 (X'0910')	MQRC_HBAG_ERROR
2321 (X'0911')	MQRC_PARAMETER_MISSING
2322 (X'0912')	MQRC_CMD_SERVER_NOT_AVAILABLE
2323 (X'0913')	MQRC_STRING_LENGTH_ERROR
2324 (X'0914')	MQRC_INQUIRY_COMMAND_ERROR

Completion and reason codes

2325 (X'0915')	MQRC_NESTED_BAG_NOT_SUPPORTED
2326 (X'0916')	MQRC_BAG_WRONG_TYPE
2327 (X'0917')	MQRC_ITEM_TYPE_ERROR
2328 (X'0918')	MQRC_SYSTEM_BAG_NOT_DELETABLE
2329 (X'0919')	MQRC_SYSTEM_ITEM_NOT_DELETABLE
2330 (X'091A')	MQRC_CODED_CHAR_SET_ID_ERROR
2331 (X'091B')	MQRC_MSG_TOKEN_ERROR
2332 (X'091C')	MQRC_MISSING_WIH
2333 (X'091D')	MQRC_WIH_ERROR
2334 (X'091E')	MQRC_RFH_ERROR
2335 (X'091F')	MQRC_RFH_STRING_ERROR
2336 (X'0920')	MQRC_RFH_COMMAND_ERROR
2337 (X'0921')	MQRC_RFH_PARM_ERROR
2338 (X'0922')	MQRC_RFH_DUPLICATE_PARM
2339 (X'0923')	MQRC_RFH_PARM_MISSING
2340 (X'0924')	MQRC_CHAR_CONVERSION_ERROR
2341 (X'0925')	MQRC_UCS2_CONVERSION_ERROR
2342 (X'0926')	MQRC_DB2_NOT_AVAILABLE
2343 (X'0927')	MQRC_OBJECT_NOT_UNIQUE
2344 (X'0928')	MQRC_CONN_TAG_NOT_RELEASED
2345 (X'0929')	MQRC_CF_NOT_AVAILABLE
2346 (X'092A')	MQRC_CF_STRUC_IN_USE
2347 (X'092B')	MQRC_CF_STRUC_LIST_HDR_IN_USE
2348 (X'092C')	MQRC_CF_STRUC_AUTH_FAILED
2349 (X'092D')	MQRC_CF_STRUC_ERROR
2350 (X'092E')	MQRC_CONN_TAG_NOT_USABLE
2351 (X'092F')	MQRC_GLOBAL_UOW_CONFLICT
2352 (X'0930')	MQRC_LOCAL_UOW_CONFLICT
2353 (X'0931')	MQRC_HANDLE_IN_USE_FOR_UOW
2354 (X'0932')	MQRC_UOW_ENLISTMENT_ERROR
2355 (X'0933')	MQRC_UOW_MIX_NOT_SUPPORTED
2356 (X'0934')	MQRC_WXP_ERROR
2357 (X'0935')	MQRC_CURRENT_RECORD_ERROR
2358 (X'0936')	MQRC_NEXT_OFFSET_ERROR
2359 (X'0937')	MQRC_NO_RECORD_AVAILABLE
2360 (X'0938')	MQRC_OBJECT_LEVEL_INCOMPATIBLE
2361 (X'0939')	MQRC_NEXT_RECORD_ERROR
2362 (X'093A')	MQRC_BACKOUT_THRESHOLD_REACHED
2363 (X'093B')	MQRC_MSG_NOT_MATCHED
2364 (X'093C')	MQRC_JMS_FORMAT_ERROR
2365 (X'093D')	MQRC_SEGMENTS_NOT_SUPPORTED
2366 (X'093E')	MQRC_WRONG_CF_LEVEL
2367 (X'093F')	MQRC_CONFIG_CREATE_OBJECT
2368 (X'0940')	MQRC_CONFIG_CHANGE_OBJECT
2369 (X'0941')	MQRC_CONFIG_DELETE_OBJECT
2370 (X'0942')	MQRC_CONFIG_REFRESH_OBJECT
2371 (X'0943')	MQRC_CHANNEL_SSL_ERROR
2373 (X'0945')	MQRC_CF_STRUC_FAILED
2374 (X'0946')	MQRC_API_EXIT_ERROR
2375 (X'0947')	MQRC_API_EXIT_INIT_ERROR
2376 (X'0948')	MQRC_API_EXIT_TERM_ERROR
2377 (X'0949')	MQRC_EXIT_REASON_ERROR
2378 (X'094A')	MQRC_RESERVED_VALUE_ERROR
2379 (X'094B')	MQRC_NO_DATA_AVAILABLE
2380 (X'094C')	MQRC_SCO_ERROR
2381 (X'094D')	MQRC_KEY_REPOSITORY_ERROR

Completion and reason codes

2382 (X'094E')	MQRC_CRYPTO_HARDWARE_ERROR
2383 (X'094F')	MQRC_AUTH_INFO_REC_COUNT_ERROR
2384 (X'0950')	MQRC_AUTH_INFO_REC_ERROR
2385 (X'0951')	MQRC_AIR_ERROR
2386 (X'0952')	MQRC_AUTH_INFO_TYPE_ERROR
2387 (X'0953')	MQRC_AUTH_INFO_CONN_NAME_ERROR
2388 (X'0954')	MQRC_LDAP_USER_NAME_ERROR
2389 (X'0955')	MQRC_LDAP_USER_NAME_LENGTH_ERR
2390 (X'0956')	MQRC_LDAP_PASSWORD_ERROR
2391 (X'0957')	MQRC_SSL_ALREADY_INITIALIZED
2392 (X'0958')	MQRC_SSL_CONFIG_ERROR
2393 (X'0959')	MQRC_SSL_INITIALIZATION_ERROR
2394 (X'095A')	MQRC_Q_INDEX_TYPE_ERROR
2395 (X'095B')	MQRC_CFBS_ERROR
2396 (X'095C')	MQRC_SSL_NOT_ALLOWED
2397 (X'095D')	MQRC_JSSE_ERROR
2398 (X'095E')	MQRC_SSL_PEER_NAME_MISMATCH
2399 (X'095F')	MQRC_SSL_PEER_NAME_ERROR
2400 (X'0960')	MQRC_UNSUPPORTED_CIPHER_SUITE
2401 (X'0961')	MQRC_SSL_CERTIFICATE_REVOKED
2402 (X'0962')	MQRC_SSL_CERT_STORE_ERROR
6100 (X'17D4')	MQRC_REOPEN_EXCL_INPUT_ERROR
6101 (X'17D5')	MQRC_REOPEN_INQUIRE_ERROR
6102 (X'17D6')	MQRC_REOPEN_SAVED_CONTEXT_ERR
6103 (X'17D7')	MQRC_REOPEN_TEMPORARY_Q_ERROR
6104 (X'17D8')	MQRC_ATTRIBUTE_LOCKED
6105 (X'17D9')	MQRC_CURSOR_NOT_VALID
6106 (X'17DA')	MQRC_ENCODING_ERROR
6107 (X'17DB')	MQRC_STRUC_ID_ERROR
6108 (X'17DC')	MQRC_NULL_POINTER
6109 (X'17DD')	MQRC_NO_CONNECTION_REFERENCE
6110 (X'17DE')	MQRC_NO_BUFFER
6111 (X'17DF')	MQRC_BINARY_DATA_LENGTH_ERROR
6112 (X'17E0')	MQRC_BUFFER_NOT_AUTOMATIC
6113 (X'17E1')	MQRC_INSUFFICIENT_BUFFER
6114 (X'17E2')	MQRC_INSUFFICIENT_DATA
6115 (X'17E3')	MQRC_DATA_TRUNCATED
6116 (X'17E4')	MQRC_ZERO_LENGTH
6117 (X'17E5')	MQRC_NEGATIVE_LENGTH
6118 (X'17E6')	MQRC_NEGATIVE_OFFSET
6119 (X'17E7')	MQRC_INCONSISTENT_FORMAT
6120 (X'17E8')	MQRC_INCONSISTENT_OBJECT_STATE
6121 (X'17E9')	MQRC_CONTEXT_OBJECT_NOT_VALID
6122 (X'17EA')	MQRC_CONTEXT_OPEN_ERROR
6123 (X'17EB')	MQRC_STRUC_LENGTH_ERROR
6124 (X'17EC')	MQRC_NOT_CONNECTED
6125 (X'17ED')	MQRC_NOT_OPEN
6126 (X'17EE')	MQRC_DISTRIBUTION_LIST_EMPTY
6127 (X'17EF')	MQRC_INCONSISTENT_OPEN_OPTIONS
6128 (X'17FO')	MQRC_WRONG_VERSION
6129 (X'17F1')	MQRC_REFERENCE_ERROR

Completion and reason codes

Appendix B. WebSphere MQ component identifiers

Table 3. Component identifiers used in WebSphere MQ messages and codes

Component	ID	Hex ID
Batch adapter	B	X'C2'
CICS adapter	C	X'C3'
Coupling Facility manager	E	X'C5'
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'
Instrumentation facilities	W	X'E6'
Distributed queuing	X	X'E7'
Initialization procedures and general services	Y	X'E8'
System parameter manager	Z	X'E9'
Service facilities	1	X'F1'
WebSphere MQ-IMS bridge	2	X'F2'
Subsystem support	3	X'F3'
DB2 manager	5	X'F5'
Generalized command processor	9	X'F9'

WebSphere MQ component identifiers

Appendix C. 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 564

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 481.

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 560 (shown in the same format in the tables as in the messages)
- “IUCV IPR codes” on page 563 (shown as 4000rrrr in messages, where rrrr is the IPR code)
- “TCPaccess return codes” on page 564

TCP/IP OpenEdition® Sockets return codes

See the *OS/390 OpenEdition Messages and Codes* manual for more information and for further return codes.

Table 4. OpenEdition sockets 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

TCP/IP return codes

Table 4. OpenEdition sockets return codes (continued)

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	An 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
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

Table 4. OpenEdition sockets return codes (continued)

Return code (Hex)	Explanation
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	SetlbmOpt 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
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

TCP/IP return codes

Table 4. *OpenEdition sockets return codes (continued)*

Return code (Hex)	Explanation
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.

Table 5. TCP/IP 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
27	Destination address required
28	Message too long
29	Protocol wrong type for socket
2A	Protocol not available

TCP/IP return codes

Table 5. TCP/IP return codes (continued)

Return code (Hex)	Explanation
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
51	Object is remote
52	Link has been severed

Table 5. TCP/IP return codes (continued)

Return code (Hex)	Explanation
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.)

Table 6. IUCV IPR codes

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
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

TCP/IP return codes

Table 6. IUCV IPR codes (continued)

IPR code (Hex)	Explanation
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	PRMSG 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

TCPass access return codes

Return codes for TCPPass are not listed in this book. Refer to your TCPPass 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 570
- “APPC reason codes” on page 570

See the *Writing Transaction Programs for APPC/MVS* and *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.

Table 7. APPC return codes and their meanings

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.

Table 7. APPC return codes and their meanings (continued)

Return code (Hex)	Explanation
01	The caller specified an <code>allocate_type</code> 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 <code>allocate_type</code> 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 <code>allocate_type</code> 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 <code>Conversation_type</code> parameter set to either <code>Basic_conversation</code> or <code>Mapped_conversation</code> , 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.
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 <code>Sync_level</code> 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 <code>Deallocate_type</code> of <code>Deallocate_abend</code> , 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.

APPC return codes

Table 7. APPC return codes and their meanings (continued)

Return code (Hex)	Explanation
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.
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	A product-specific error has been detected. The system writes symptom records that describe the error to SYS1.LOGREC.
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. APPC return codes and their meanings (continued)

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>

APPC return codes

Table 7. APPC return codes and their meanings (continued)

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>
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>

Table 7. APPC return codes and their meanings (continued)

Return code (Hex)	Explanation
1B	A failure occurred that caused the conversation to be prematurely terminated. The condition might be temporary, and the program can retry the transaction.
1C	The call issued by the local program did not run successfully. This return code is returned on the unsuccessful call. If this code is returned by the ATBRCVI (LU 6.2 Receive_Immediate) callable service, there is no data to be returned.
1E	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.
1F	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.
20	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.
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>Writing Transaction Programs for APPC/MVS</i> and <i>Writing Servers for APPC/MVS</i> manuals.

APPC return codes

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.)

Table 8. APPC allocate services return codes and their meanings

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.
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>Writing Transaction Programs for APPC/MVS</i> and <i>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 564 for more information.

Table 9. APPC reason codes and their meanings

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.

Table 9. APPC reason codes and their meanings (continued)

Return code (Hex)	Explanation
5	A local LU name is required, but none was specified.
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.
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.

APPC return codes

Table 9. APPC reason codes and their meanings (continued)

Return code (Hex)	Explanation
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>Writing Transaction Programs for APPC/MVS</i> and <i>Writing Servers for APPC/MVS</i> manuals.

Appendix D. Secure Sockets Layer (SSL) return codes

The table in this appendix documents the return codes, in decimal form, from the Secure Sockets Layer (SSL) that can be returned in messages from the distributed queuing component.

If the return code is not listed, or if you want more information, refer to the System Secure Sockets Layer Programming Guide and Reference SC24-5877.

Table 10. SSL return codes

Return code (decimal)	Explanation
1	Error detected while reading key database or SAF key ring.
2	Error detected while opening the key database.
3	Incorrect key database record format.
4	Key database password is not correct.
5	Unable to obtain virtual storage.
6	There was nothing to write.
7	The write failed
8	Key database file was not found
9	Key label does not exist.
10	Certificate has expired.
12	Key label is not found.
13	Duplicate subject names.
16	Incorrect key database password.
17	Key database password is expired.
18	No certification authority certificates.
18	No certificates available.
100	Initialization parameter is not valid.
102	Security type is not valid.
103	SSL V2 session timeout is not valid.
104	SSL V3 session timeout is not valid.
105	The keyfile certificate has expired.
-1	No SSL cipher specifications.
-2	No certificate received from partner.
-3	Certificate key is not compatible with cipher suite.
-4	The certificate is not valid
-5	SSL V2 header is not valid.
-6	Certificate format is not supported.
-7	Session renegotiation is not allowed.
-9	Certificate is revoked.
-10	Error while reading or writing data.

Table 10. SSL return codes (continued)

Return code (decimal)	Explanation
-11	SSL message format is incorrect.
-12	Message authentication code is incorrect.
-13	SSL protocol or certificate type is not supported.
-14	Certificate signature is incorrect.
-15	Certificate is not valid.
-16	SSL protocol violation.
-17	Permission denied.
-18	Self-signed certificate cannot be validated.
-19	Certification authority is unknown.
-20	Insufficient storage is available.
-21	Handle is in the incorrect state.
-22	Socket closed by remote partner.
-23	gsk_initialize() must be issued before gsk_secure_soc_init().
-24	A gsk_soc_data structure could not be created
-25	Certificate is expired or is not valid yet.
-26	Key exceeds allowable export size.
-27	Key entry does not contain a private key.
-28	Function parameter is not valid.
-29	Internal error
-30	Socket request would block.
-32	gsk_initialize() must be issued before gsk_secure_soc_init()
-34	Certificate revocation list cannot be processed.
-36	Cryptographic processing error.
-37	ASN processing error.
-38	LDAP processing error.
-39	LDAP is not available.
-40	SSL V2 cipher is not valid.
-41	SSL V3 cipher is not valid.
-42	Bad handshake specification.
-43	No read function.
-44	No write function.
-46	Socket write request would block.
-47	Connection is active.
-48	Connection closed.
-51	Protocol is not SSL V3 or TLS V1.
-53	Internal error reported by remote partner.
-54	Unknown alert received from remote partner.
-99	An unexpected error has occurred.
-100	Buffer size is not valid.

Table 10. SSL return codes (continued)

Return code (decimal)	Explanation
-101	Handle is not valid.
-102	The hs_type value of AS_CLIENT is not allowed when you issue gsk_initialize() with a types value of ALL
-103	An invalid buffer pointer was specified

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 *MQRC_CHANNEL_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	Character insert 3
001	CSQX501I			channel-name		
181	CSQX181E	response		exit-name		
182	CSQX182E	response		exit-name		
184	CSQX184E	address		exit-name		
189	CSQX189E	length		exit-name		
196	CSQX196E	data-length	ab-length	exit-name		
197	CSQX197E	data-length	eb-length	exit-name		
201	CSQX201E	return-code		conn-id	trptype	
202	CSQX202E	return-code		conn-id	trptype	
203	CSQX203E	return-code		conn-id	trptype	
204	CSQX204E	return-code		conn-id	trptype	
205	CSQX205E	return-code		conn-id	trptype	
206	CSQX206E	return-code		conn-id	trptype	
207	CSQX207E			conn-id	trptype	
208	CSQX208E	return-code		conn-id	trptype	
209	CSQX209E			conn-id	trptype	
211	CSQX027E					
212	CSQX212E	return-code				
213	CSQX213E	return-code			trptype	
237	CSQX203E	return-code	reason	conn-id	trptype	
238	CSQX213E	return-code	reason		trptype	
403	CSQX403I			channel-name	exit-name	
496	CSQX496I			channel-name		
498	CSQX498E	fieldvalue		channel-name		

Distributed queuing message codes

Message code (<i>nnn</i>)	Message number	Integer insert 1	Integer insert 2	Character insert 1	Character insert 2	Character insert 3
506	CSQX506E			channel-name		
510	CSQX037E	mqr			name	
511	CSQX038E	mqr			name	
514	CSQX514E			channel-name		
519	CSQX519E			channel-name		
520	CSQX520E			channel-name		
525	CSQX525E			channel-name		
526	CSQX526E	msg-seqno	exp-seqno	channel-name		
527	CSQX527E			channel-name		
528	CSQX528I			channel-name		
533	CSQX533I			channel-name		
534	CSQX534E			channel-name		
536	CSQX536I			channel-name	exit-name	
540	CSQX540E	mqr		commit identifier which includes channel-name		
542	the queue manager is stopping (no corresponding error message)					
544	see integer insert 1	1 see message CSQX548E 2 see message CSQX544E		channel-name		
545	CSQX545I			channel-name		
546	code 00E70546					
558	CSQX558E			channel-name		
565	CSQX565E			channel-name	qmgr-name	
569	CSQX569E			channel-name		
570	CSQX570E			channel-name		
572	CSQX572E			channel-name		
573	CSQX573E			channel-name		
574	CSQX574I			channel-name		
575	CSQX575E					
613	CSQX613E			channel-name		
620	CSQX620E	return-code		SSL-function		
631	CSQX631E			channel-name	local cipher spec	remote cipher spec
633	CSQX633E			channel-name		
634	CSQX634E			channel-name		
635	CSQX635E			channel-name		cipher spec
636	CSQX636E			channel-name	dist-name	
637	CSQX637E			channel-name		
638	CSQX638E			channel-name		
639	CSQX639E			channel-name		
640	CSQX640E			channel-name		key-name

Distributed queuing message codes

	Message code (<i>nnn</i>)	Message number	Integer insert 1	Integer insert 2	Character insert 1	Character insert 2	Character insert 3
I	641	CSQX641E			channel-name		
I	642	CSQX642E			channel-name		
I	643	CSQX643E			channel-name		
I	644	CSQX644E			channel-name		
	999	CSQX599E			channel-name		

Distributed queuing message codes

Appendix F. Messages from other products

The following table shows the message prefixes for other products that you might receive while using WebSphere MQ for z/OS.

Table 11. Message prefixes

Prefix	Component	Procedure
AMQ	WebSphere MQ (not z/OS)	Consult <i>WebSphere MQ Clients</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	WebSphere MQ for z/OS	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	z/OS system services	Consult <i>MVS System Messages</i>
IEC	Data management services	Consult <i>MVS System Messages</i>
IEE,IEF	z/OS 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>
IWM	z/OS workload management services	Consult <i>MVS System Messages</i>
IXC	Cross-system coupling facility (XCF)	Consult <i>MVS System Messages</i>
IXL	Cross-system extended services (XES)	Consult <i>MVS System Messages</i>

Messages from other products

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