

z/OS
2.5

*Resource Measurement Facility
Messages and Codes*



Note

Before using this information and the product it supports, read the information in [“Notices” on page 313.](#)

This edition applies to Version 2 Release 5 of z/OS® (5650-ZOS) and to all subsequent releases and modifications until otherwise indicated in new editions.

Last updated: 2023-04-24

© **Copyright International Business Machines Corporation 1990, 2023.**

US Government Users Restricted Rights – Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

© **Rocket Software, Inc. 2019, 2023.**

Contents

About this document.....	V
Who should use this document.....	v
How this document is organized.....	v
z/OS RMF library.....	v
z/OS Data Gatherer library.....	v
z/OS information.....	vi
How to send your comments to IBM.....	vii
If you have a technical problem.....	vii
Summary of changes.....	ix
Summary of changes for z/OS Version 2 Release 5 (V2R5).....	ix
Message and code changes for z/OS Resource Measurement Facility Messages and Codes.....	ix
Summary of changes for z/OS Version 2 Release 4 (V2R4).....	x
Message changes for z/OS RMF Messages and Codes.....	x
Summary of message changes for z/OS RMF Version 2 Release 3.....	xi
Chapter 1. Host messages - ERB.....	1
Chapter 2. Distributed Data Server messages - GPM.....	215
Chapter 3. RMF Spreadsheet Reporter messages.....	265
Chapter 4. Messages for IBM® Health Checker for z/OS®	273
Chapter 5. User completion codes.....	275
Chapter 6. Diagnosing problems.....	295
Identifying problems.....	295
Diagnosing abend OD5.....	295
Diagnosing abend OFE.....	296
Diagnosing an unexpected abend.....	298
Diagnosing a message with an ERB prefix.....	299
Diagnosing a message with a CEE/EDC prefix.....	299
Diagnosing incorrect output.....	300
Diagnosing a documentation error.....	301
Diagnosing an empty Monitor III JES Delays report.....	302
Obtaining a dump from Monitor II or Monitor III.....	303
Developing a search argument for RMF.....	303
Reporting a problem to IBM.....	304
Appendix A. Accessibility.....	309
Accessibility features.....	309
Consult assistive technologies.....	309
Keyboard navigation of the user interface.....	309
Dotted decimal syntax diagrams.....	309
Notices.....	313
Terms and conditions for product documentation.....	314

IBM Online Privacy Statement.....	315
Policy for unsupported hardware.....	315
Minimum supported hardware.....	315
Trademarks.....	316
Index.....	317

About this document

This document describes messages issued by z/OS Resource Measurement Facility (RMF) and z/OS Data Gatherer. It also lists the user completion codes (UCC) for Monitor I, II, III and the Postprocessor.

Who should use this document

This document is for RMF and z/OS Data Gatherer users who require additional information for a message or code that is displayed by RMF or z/OS Data Gatherer.

How this document is organized

This document contains the following information units:

Chapter 1, “Host messages - ERB,” on page 1

This topic lists all messages from Monitor I, Monitor II, Monitor III, and the Postprocessor. They are in this range:

- ERB100I - ERB999I
- ERBA000I - ...
- ERBB100I - ...

Chapter 2, “Distributed Data Server messages - GPM,” on page 215

This topic lists all messages issued by the two components (GPMSEVE and GPM4CIM) of the RMF Distributed Data Server (DDS) that are displayed on your host console.

This topic also lists all messages issued by the DDS and its exploiters as the result of performance data retrieval from the DDS.

Chapter 3, “RMF Spreadsheet Reporter messages,” on page 265

This chapter lists all messages issued by the Spreadsheet Reporter:

- ERB9000A - ...

Chapter 4, “Messages for IBM® Health Checker for z/OS®,” on page 273

This chapter lists all messages issued by RMF health checks.

- GPMH1001I - ...

Chapter 5, “User completion codes,” on page 275

This chapter lists all user completion codes.

Chapter 6, “Diagnosing problems,” on page 295

This chapter provides information about diagnosing and resolving problems that you might encounter while running RMF.

z/OS RMF library

The z/OS RMF library contains the following information units:

- *z/OS Resource Measurement Facility Programmer's Guide*
- *z/OS Resource Measurement Facility User's Guide*
- *z/OS Resource Measurement Facility Report Analysis*
- *z/OS Resource Measurement Facility Messages and Codes* (includes z/OS Data Gatherer messages)

z/OS Data Gatherer library

The z/OS Data Gatherer library contains the following information units:

- *z/OS Data Gatherer Programmer's Guide*
- *z/OS Data Gatherer User's Guide*

Messages issued by z/OS Data Gatherer are included in *z/OS Resource Measurement Facility Messages and Codes*.

z/OS information

This information explains how z/OS references information in other documents and on the web.

When possible, this information uses cross document links that go directly to the topic in reference using shortened versions of the document title. For complete titles and order numbers of the documents for all products that are part of z/OS, see *z/OS Information Roadmap*.

To find the complete z/OS library, go to [IBM Documentation \(www.ibm.com/docs/en/zos\)](http://www.ibm.com/docs/en/zos).

How to send your comments to IBM

We invite you to submit comments about the z/OS product documentation. Your valuable feedback helps to ensure accurate and high-quality information.

Important: If your comment regards a technical question or problem, see instead [“If you have a technical problem”](#) on page vii.

Submit your feedback by using the appropriate method for your type of comment or question:

Feedback on z/OS function

If your comment or question is about z/OS itself, submit a request through the [IBM RFE Community](http://www.ibm.com/developerworks/rfe/) (www.ibm.com/developerworks/rfe/).

Feedback on IBM® Documentation function

If your comment or question is about the IBM Documentation functionality, for example search capabilities or how to arrange the browser view, send a detailed email to IBM Documentation Support at ibmdoc@us.ibm.com.

Feedback on the z/OS product documentation and content

If your comment is about the information that is provided in the z/OS product documentation library, send a detailed email to mhvrcfs@us.ibm.com. We welcome any feedback that you have, including comments on the clarity, accuracy, or completeness of the information.

To help us better process your submission, include the following information:

- Your name, company/university/institution name, and email address
- The following deliverable title and order number: z/OS Resource Measurement Facility Messages and Codes, SC34-2666-50
- The section title of the specific information to which your comment relates
- The text of your comment.

When you send comments to IBM, you grant IBM a nonexclusive authority to use or distribute the comments in any way appropriate without incurring any obligation to you.

IBM or any other organizations use the personal information that you supply to contact you only about the issues that you submit.

If you have a technical problem

If you have a technical problem or question, do not use the feedback methods that are provided for sending documentation comments. Instead, take one or more of the following actions:

- Go to the [IBM Support Portal](http://support.ibm.com) (support.ibm.com).
- Contact your IBM service representative.
- Call IBM technical support.

Summary of changes

This information includes terminology, maintenance, and editorial changes. Technical changes or additions to the text and illustrations for the current edition are indicated by a vertical line to the left of the change.

Note: IBM z/OS policy for the integration of service information into the z/OS product documentation library is documented on the z/OS Internet Library under [IBM z/OS Product Documentation Update Policy \(www-01.ibm.com/servers/resourcelink/svc00100.nsf/pages/ibm-zos-doc-update-policy?OpenDocument\)](http://www-01.ibm.com/servers/resourcelink/svc00100.nsf/pages/ibm-zos-doc-update-policy?OpenDocument).

Summary of changes for z/OS Version 2 Release 5 (V2R5)

This topic lists new, changed, and no longer issued messages and codes for z/OS Resource Measurement Facility Messages and Codes.

Message and code changes for z/OS Resource Measurement Facility Messages and Codes

- Chapter 6, “Diagnosing problems,” on [page 295](#) has been updated to include references to z/OS Data Gatherer modules with the prefix GRB.

The following messages are new, changed, or no longer issued in V2R5.

New

The following messages are new.

ERB117I
ERB119I
ERB148I
ERB149I
ERB150I
ERB330I (APAR OA58615)
ERB858I

Changed

The following messages and codes are changed.

Messages

ERB114I
ERB251I
ERB292I
ERB301I
ERB307I
ERB311I
ERB315I
ERB430I
ERB437I
ERB668I
ERB807I
ERB810I
ERB844I

ERB900I
ERB920I
ERB946I
GPM0630I

User completion codes

0213
1204
1206
1207
1602
1603
1604
1605
1606
1608
1609
1611
1612

Deleted

The following messages were deleted.

ERB120I
ERB121I
ERB122I
ERB123I
ERB124I
ERB125I
ERB126I
ERB127I
ERB128I
ERB129I
ERB228I
ERB262I
ERB295I

Summary of changes for z/OS Version 2 Release 4 (V2R4)

This topic lists new, changed, and no longer issued messages for z/OS RMF Messages and Codes.

Message changes for z/OS RMF Messages and Codes

- Chapter 6, “[Diagnosing problems](#),” on page 295 has been moved to this publication from *z/OS RMF Programmer's Guide*.
- References in this publication to *z/OS RMF Programmer's Guide* have been replaced with references to *z/OS RMF Data Gatherer Programmer's Guide* or *z/OS RMF Reporter Programmer's Guide*, as appropriate.
- References in this publication to *z/OS RMF User's Guide* have been replaced with references to *z/OS RMF Data Gatherer User's Guide* or *z/OS RMF Reporter User's Guide*, as appropriate.

The following messages are new, changed, or no longer issued in V2R4.

New

The following messages are new.

ERB898I
ERB949I
ERB950I
ERB951I
ERB952I
ERB953I
ERB954I
ERB955I (APAR OA61160)
GPM0634I
GPM0635I
GPMH1001I (APAR OA60403)
GPMH1002I (APAR OA60403)
GPMH1003E (APAR OA60403)
GPMH1004I (APAR OA60404)
GPMH1005E (APAR OA60404)

Changed

The following messages are changed.

ERB140I
ERB292I
ERB425I
ERB617I
ERB619I
ERB629I
GPM0632I
GPM0633I

Deleted

The following messages were deleted.

GPM054I (APAR OA60404)
GPM055I (APAR OA60404)
GPM255I (APAR OA60404)

Summary of message changes for z/OS RMF Version 2 Release 3

The following messages are new, changed, or no longer issued for RMF in z/OS V2R3.

New

The following messages are new.

ERB439I
ERBA092I
GPM0748W
GPM0749E

Changed

The following messages are changed.

ERB464I
ERB467I
ERBA053I
ERBA054I

Deleted

The following messages are no longer issued.

ERB438I
ERBA050I

Chapter 1. Host messages - ERB

This topic lists all messages issued by the RMF control session, Monitor I, Monitor II and Monitor III gatherer sessions, Monitor II and Monitor III reporter sessions, and the Postprocessor.

The messages are sorted by the hexadecimal message number that follows the ERB-prefix.

ERB100I *sid: ACTIVE*

Explanation

When *sid* is RMF, RMF has been initialized and is ready to receive session commands. When *sid* is a session identifier, that session has started and data is being collected to form the first entry for the report or the system management facility (SMF) record.

System action

Processing continues.

ERB101I *sid: REPORT AVAILABLE FOR PRINTING*

Explanation

A reporting interval for Monitor I session *sid* has ended. This message appears only when REPORT (REALTIME) is in effect.

System action

RMF formats and writes a report to SYSOUT storage. The system prints the reports for this interval according to RMF priority and output class.

Operator response

Start a printer to the RMF SYSOUT class, if you want to print the report.

ERB102I *sid: TERMINATED*

Explanation

When *sid* is RMF, all RMF processing has ended. When *sid* is a session identifier, that session has ended.

System action

The system continues processing.

ERB103I *sid: OPTIONS IN EFFECT option (value) source . . option (value) source*

Explanation

This message appears in the message data set for the session and lists the options in effect for the RMF Postprocessor or for session *sid*. The options are listed, one per line, in the following form:

```
option (value) source
```

The source indicates where the option was specified and can be:

Source

Where the option was specified

COMMAND

On a START or MODIFY command.

DEFAULT

In the program defaults.

EXEC

On the EXEC statement in the RMF cataloged procedure.

CHANGED

Changed by RMF.

MEMBER

In a member of the RMF partitioned data set.

SYSIN

On a control statement for the RMF Postprocessor.

ERB104I***sid*: MODIFIED**

Explanation

In response to a MODIFY command, RMF has successfully modified the options in effect for session *sid*.

System action

The session continues.

ERB105I**III: DATA GATHERER ACTIVE**

Explanation

The RMF Monitor III data gatherer session was successfully initialized and is now gathering data.

Operator response

You can now start Monitor III reporting sessions.

ERB106I**PPS: NO RECORDS FOUND FOR THE FOLLOWING OPTION(S) PPS:
mainopt(subopt) or OVW, SMF RECORD *type* SUBTYPE *subtype***

Explanation

You requested a report using either a report main option or an OVW option control statement when the SMF data set did not contain the requested records.

System action

No report or overview column is written. A message and the listing of options are issued.

Operator response

The SMF record data set must contain the appropriate data.

ERB107I***sid*: RMF CANNOT BE STARTED DUE TO DYNAMIC CONFIGURATION
CHANGES. TRY AGAIN LATER.**

Explanation

A dynamic I/O configuration update occurred within the system while RMF tried to build its internal configuration tables.

System action

RMF could not build its tables. RMF ends the session.

Operator response

Restart RMF after the dynamic I/O configuration change has been completed.

ERB108I

sid: RMF MONITOR I {DEVICE|I/O QUEUING} OPTION CANNOT BE STARTED.

Explanation

During the RMF session, one of the following events occurred:

- A dynamic I/O configuration update occurred within the system while RMF tried to build either its internal device data block structure or its I/O queuing data block structure.
- A critical error occurred during a dynamic I/O configuration update when RMF Monitor I was started with either the device option or the I/O queuing option.

System action

If RMF tried to build its internal data block structure, RMF couldn't build the block structure. RMF attempts three retries but still cannot complete its processing. Monitor I starts without either the device option or the I/O queuing option.

If a critical error occurred, RMF issues message ERB110I. RMF cannot use its internal configuration table and cannot start either the Monitor I device option or the I/O queuing option. Monitor I starts without either the device option or the I/O queuing option.

Operator response

If RMF tried to build its internal data block structure, modify RMF after the dynamic I/O configuration update has been completed to add either the desired Monitor I device option or I/O queuing option.

If a critical error occurred, respond to message ERB110I.

ERB109I

sid: RMF Monitor III DATA GATHERER CANNOT BE STARTED.

Explanation

A dynamic I/O configuration update occurred within the system while RMF tried to build its internal UCB address table.

System action

RMF could not build its UCB address table. RMF attempts three retries but still cannot complete its processing. RMF ends the Monitor III data gatherer session.

Operator response

Start the RMF Monitor III data gatherer after the dynamic I/O configuration change is completed.

ERB110I

CRITICAL ERROR DURING DYNAMIC CONFIGURATION CHANGE.

Explanation

An unresolvable error occurred during an RMF dynamic configuration change.

System action

RMF is no longer able to use its internal configuration data. RMF continues processing, but Monitor I ends device and I/O queuing, and cannot be restarted without a complete RMF restart.

Operator response

Restart RMF to get full monitor capability back.

ERB111I**RMF IS NOT ENABLED TO RUN ON THIS SYSTEM.**

Explanation

The request to run RMF has been denied by MVS, because the optional element RMF is not licensed or enabled on this system.

System action

RMF discontinues its processing, and terminates immediately.

User response

Have your system administrator check whether you have a license for RMF. If yes, have the system administrator enable the product.

ERB112I**SERVICE *name* FAILED WITH RETURN CODE *rc***

Explanation

RMF invoked the IFAEDREG or IFAEDDRG service for registration or deregistration. The service returned with a code greater than 4.

System action

RMF discontinues its processing, and terminates immediately.

User response

See *z/OS MVS System Management Facilities (SMF)*.

ERB113I**RMF: CANNOT BE STARTED FROM UNAUTHORIZED LIBRARY.**

Explanation

RMF has detected that it has been started from a library that is not APF-authorized.

System action

The RMF control program terminates immediately.

Operator response

Inform your system programmer.

System programmer response

Make sure that RMF is started from a library that is APF-authorized.

ERB114I**RMF: CANNOT LOAD LPA MODULES.**

Explanation

z/OS Data Gatherer has detected that it cannot find required LPA modules. The z/OS Data Gatherer LPA modules reside in SYS1.SGRBLPA. Possible causes for this error may be:

- SYS1.SGRBLPA is not in the LPALST concatenation.
- LPALIB is defined as STEPLIB.

System action

The RMF control program terminates immediately.

Operator response

Inform the system programmer.

System programmer response

- Make sure that library SYS1.SGRBLPA is in the LPALST concatenation. This can be achieved by adding the library to the active LPALSTxx PARMLIB member (for details see *z/OS MVS Initialization and Tuning Reference*) and RE-IPL.
- To add the modules in SYS1.SGRBLPA dynamically to the LPA without an IPL, you can use the SETPROG or SET PROG=xx operator commands (see *z/OS MVS System Commands*).

ERB115I**START RMFGAT Monitor III SESSION III**

Explanation

In response to a MODIFY command, RMF control has invoked the cataloged procedure RMFGAT to start the RMF Monitor III data gatherer.

System action

Started task RMFGAT is being initialized in a separate address space.

ERB116I**III: OMVS NOT READY**

Explanation

RMF Monitor III initialization module detects that OMVS is not ready.

System action

RMF stops initializing the Monitor III data gatherer after waiting for four minutes for OMVS to become ready. All other active sessions continue processing.

System programmer response

Try to start the Monitor III data gatherer again after OMVS is initialized.

ERB117I**ADVANCED DATA GATHERER IS NOT ENABLED TO RUN ON THIS SYSTEM.**

Explanation

Only base Data Gatherer functionality can be used on this system.

- No SMF record data other than SMF 70 subtype 1 are written by the z/OS Data Gatherer.
- No Monitor III data is collected.
- Monitor III data cannot be accessed via Sysplex Data Server API ERB3XDRS.

System action:

The request for the Advanced Data Gatherer function is not processed.

User response:

Have your system administrator check whether you have a license for the z/OS Advanced Data Gatherer or the RMF feature. If yes, enable one of the two features.

ERB119I

RMF IS ENABLED TO RUN ON THIS SYSTEM BUT THE REPORTER IS NOT INSTALLED.

Explanation:

The RMF feature is properly enabled but RMF module ERB3RCTL cannot be loaded.

System action:

The z/OS Data Gatherer continues its processing.

User response:

Have your system administrator check why load module ERB3RCTL cannot be loaded.

ERB140I

RMF: DDS OPTION ACCEPTED

Explanation

The DDS option has been accepted by RMF.

System action

The Distributed Data Server is managed by RMF across the Sysplex.

ERB141I

RMF: STARTING DISTRIBUTED DATA SERVER

Explanation

RMF issued the START command for the Distributed Data Server.

System action

The Distributed Data Server address space is running up.

ERB142I

RMF: DISTRIBUTED DATA SERVER START COMMAND FAILURE

Explanation

The START command for the Distributed Data Server returned with one or more errors.

System action

RMF performs up to five retries.

Operator response

Contact your system programmer.

System programmer response

Analyze the return code **rc** from the MGCRE macro.

ERB143I

RMF: DISTRIBUTED DATA SERVER START RETRY LIMIT EXCEEDED

Explanation

The Distributed Data Server START command returns with permanent errors.

System action

RMF deactivates the management of the Distributed Data Server address space.

Operator response

You can take either of the following actions:

- Continue the session with the current options.
- Re-activate the DDS options with the MODIFY command.

ERB144I **RMF: NODDS OPTION SET**

Explanation

RMF accepted the NODDS option.

System action

The Distributed Data Server is not managed by RMF.

ERB145I **RMF: STOPPING DISTRIBUTED DATA SERVER**

Explanation

RMF issued the STOP command for the Distributed Data Server.

System action

The Distributed Data Server address space is terminated.

ERB146I **RMF: DISTRIBUTED DATA SERVER STOP COMMAND FAILURE**

Explanation

The STOP command for the Distributed Data Server returned with one or more errors.

System action

RMF performs up to five retries.

Operator response

Contact your system programmer.

System programmer response

Analyze the return code **rc** from the MGCRE macro.

ERB147I **RMF: DISTRIBUTED DATA SERVER STOP LIMIT EXCEEDED**

Explanation

The Distributed Data Server STOP command returns with permanent errors.

System action

RMF deactivates the management of the Distributed Data Server address space.

Operator response

You can take either of the following actions:

- Continue the session with the current options.
- Re-activate the DDS options with the MODIFY command.

ERB148I

DISTRIBUTED DATA SERVER CANNOT BE STARTED.

Explanation:

The Data Gatherer control session is configured to provide automatic sysplex-wide management for the Distributed Data Server but the RMF feature is not enabled.

System action:

The z/OS Data Gatherer continues its processing.

User response:

Have your system administrator check whether you have a license for RMF, and if so, have your system administrator enable the feature. Ensure that the master system on which the Distributed Data Server is automatically started has the RMF feature enabled and is on the highest z/OS release in the sysplex. If the feature cannot be enabled on the master system, stop automatic sysplex-wide management for the Distributed Data Server by omitting the DDS option in the RMF start command and in the EXEC statement of the RMF procedure.

ERB149I

RMF: OPTIMIZED CF HW DATA COLLECTION ACTIVE.

Explanation:

The CFOPT option was specified in the MODIFY RMF or START RMF commands or in the PARM field of the EXEC statement in the RMF started task procedure.

System action:

RMF activates optimized CF HW data collection on the sysplex.

Operator response:

None.

ERB150I

RMF: OPTIMIZED CF HW DATA COLLECTION INACTIVE.

Explanation:

The NOCFOPT option was specified in a MODIFY RMF command.

System action:

RMF deactivates optimized CF HW data collection on the sysplex.

Operator response:

None.

ERB200I

sid: ALREADY ACTIVE

Explanation

If *sid* is RMF, RMF is already active.

If *sid* is a session identifier, the START session command specified session identifier *sid*, but session *sid* was already active.

System action

No action taken.

Operator response

When *sid* is RMF, stop the currently active RMF task, and reissue the START command.

When *sid* is a session identifier, do one of the following:

- Stop the currently active session, and reissue the START command. Issue a MODIFY session command to modify the options of the currently active session.
- Start a new session by issuing a START session command with a unique session identifier.

ERB201I

***sid*: TASK REINSTATED {*Ucde*|*Scde*|DUE TO DYNAMIC I/O RECONFIGURATION}.**

Explanation

RMF, or a system component providing a service for RMF, detected a disruption in operation. Either there was an error in RMF or in RMF session *sid*, or dynamic I/O reconfiguration occurred. One of the following codes is issued with the message:

- *Ucde* - user completion code
- *Scde* - system completion code
- the text DUE TO DYNAMIC I/O RECONFIGURATION

The text DUE TO DYNAMIC I/O RECONFIGURATION is only issued if MVS is running second level under VM.

System action

If the *Ucde* or *Scde* is issued, RMF recovery routines intercept the resulting abnormal ending and reinstate the task. However, data being collected for the current reporting interval is lost; RMF starts data collection for the new interval. If the text DUE TO DYNAMIC I/O RECONFIGURATION is issued, RMF Monitor I finishes the data collection for the interval, restarts the data collection after the point when the reconfiguration completed, and continues its normal processing.

Operator response

None.

System programmer response

If the *Scde* is X'80A', correct the error by increasing the value of the REGION parameter on the RMF PROC statement.

If dynamic I/O reconfiguration had occurred, Monitor III might lose device (that is, DASD or tape) data. Restart Monitor III to obtain all data.

ERB202I

***sid*: NO RMF MEASUREMENTS SELECTED**

Explanation

The options for session *sid* do not specify any measurements to be made, reported, or recorded by the RMF session.

System action

RMF ends the session.

Operator response

Restart the session, specifying options for at least one RMF measurement applicable to the type of session.

ERB203I

***sid*: INVALID MENU, NO USABLE ENTRIES FOUND**

Explanation

During Monitor II display session *sid*, RMF could not process the menu in order to initialize any measurements.

For example, RMF could find the menu unusable if an attempt to modify it caused an incorrect field length for one or more of the entries.

System action

RMF ends the session.

Operator response

Ask the system programmer to correct any errors in the menu control section, ERBFMENU. Then retry the display session.

System programmer response

Correct any errors in the menu control section, ERBFMENU.

ERB204I RMF NOT DESIGNED FOR THIS DEVICE - PROCEED AT YOUR OWN RISK

Explanation

An RMFMON command was issued from a terminal that is not an RMF-supported display station. Because RMF output is formatted specifically for these devices, the output will be jumbled and probably not useful on any other terminal device.

System action

RMF continues the session.

Operator response

End the session. To do this at a display station, use the RMF stop display command (Z) or the TSO attention function. At a non-display station, enter INPUT=Z or use the TSO attention function. Restart the session at an RMF-supported display station.

ERB205I *sid*: CANNOT BE MODIFIED, COMMAND REJECTED

Explanation

A MODIFY session command was issued for session *sid*, but that session is a Monitor II or Monitor III local 3270 display session, which cannot be modified by a MODIFY session command.

System action

No action taken.

Operator response

Reissue the MODIFY session command with the identifier of a session that can be modified.

ERB206I *sid*: INVALID SESSION COMMAND, *cm*

Explanation

For session *sid*, session command *cm* was issued, but *cm* is not a valid session command.

System action

RMF rejects the command but continues processing all active sessions.

Operator response

Enter one of the following: START or S, DISPLAY or D, MODIFY or F, or STOP or P

ERB207I**COMMAND REJECTED**

Explanation

A command contained an incorrect session identifier.

System action

No action taken.

Operator response

Reissue the command with a valid session identifier. You can use the DISPLAY session command to list the identifiers of all active sessions.

ERB208I***sid*: NO PARMS SPECIFIED, MODIFY COMMAND REJECTED**

Explanation

A MODIFY session command had no options; therefore, RMF did not modify any options for currently active session *sid*.

System action

No action taken.

Operator response

Reissue the MODIFY session command, specifying the options that you want to modify.

ERB210I***sid*: INVALID COMMAND SYNTAX**

Explanation

A valid RMF session command for session *sid* contained incorrect syntax.

System action

RMF does not process the command but continues processing all active sessions.

Operator response

Correct the syntax of the command.

ERB211I**RMF: ACTIVE SESSION - *sid,sid,...***

Explanation

In response to a DISPLAY ACTIVE command, RMF lists all currently active sessions as *sid* in the message text.

System action

RMF continues processing.

ERB212I***sid*: NO ACTIVE SESSIONS**

Explanation

In response to a DISPLAY ACTIVE command, RMF issues this message to indicate that there are no currently active sessions.

System action

RMF continues processing.

ERB216I**ERROR ON FULL SCREEN TPUT - CHECK OWAITHI VALUE**

Explanation

The TSO TPUT routine issued a return code of 16; this code indicates that the data could not be accommodated with the current values specified for the BUFFERS, BUFSIZE, and OWAITHI TSO/E parameters. These values are specified in the IKJPRMxx Parmlib member.

System action

RMF ends the session. The TSO session continues.

System programmer response

Change your TSO/E parameters to accommodate full-screen TPUTs for the IBM 3270 Display Station or the IBM 3277 Display Station Model 2.

ERB217I**YOU ARE NOT AUTHORIZED TO USE RMFMON**

Explanation

Your installation authorization exit routine, ERBTSOCK for RMF Monitor II, has determined that a user who is trying to start an RMF session, entered a userID that is not authorized under TSO. The unauthorized userID appeared in the RMFMON command for Monitor II.

System action

RMF ends the session. The TSO session continues.

System programmer response

If you are authorized to use RMF Monitor II, enter your userID correctly. If not, ask your installation for authorization to use RMF Monitor II, then reissue the RMFMON command.

ERB218I**SESSION CREATE FAILED**

Explanation

In response to an RMFMON or RMFWDM command, RMF attempted to initialize a TSO display session. The RMF Monitor II or Monitor III session create function, ERBSESSC, returned a nonzero return code to the TSO RMF interface module.

System action

RMF ends the session under TSO. The TSO session continues.

Operator response

Retry the RMFMON or RMFWDM command. If the problem recurs, notify the system programmer.

Explanation

During input merge for the RMF Postprocessor or during session *sid*, RMF detected an incorrect option or suboption *keyword*. The source of the incorrect keyword is:

Source

Where the keyword was specified

OPERATOR

In an operator command.

PARM

In the PARM field of an EXEC statement in the RMF cataloged procedure.

LIBRARY nn

In library member ERBRMFnn.

REPLY

In the operator reply to message ERB306D.

SYSIN

In an RMF Postprocessor control statement.

System action

When the error occurs during a session, RMF asks for operator intervention: RMF issues message ERB305I, listing the current session options, followed by message ERB306D, to which the operator replies by supplying new options or entering G0. RMF continues other processing.

When the error occurs during the Postprocessor session, RMF substitutes the incorrect value with the default value, if a default value exists.

Operator response

Examine the options listed following message ERB305I, and respond to message ERB306D.

System programmer response

If the incorrect option is in the EXEC statement, in the library data source, or in a Postprocessor control statement, correct the statement or library member.

Explanation

During session *sid*, the indicated command contained the option named in the message; this option is not valid for that command.

System action

RMF asks for operator intervention: RMF issues message ERB305I, listing the current session options, followed by message ERB306D, to which the operator replies by supplying new options or entering G0. RMF continues other processing.

Operator response

Examine the options listed following message ERB305I, and respond to message ERB306D.

Explanation

During input merge for RMF session *sid*, the option named in the message violated an RMF restriction. For example, the MEMBER option cannot appear in a library member. The source of the option in error was:

Source

Where the option was specified

OPERATOR

In an operator command.

PARM

In the PARM field of an EXEC statement in the RMF cataloged procedure.

LIBRARY nn

In library member ERBRMFnn.

REPLY

In the operator reply to message ERB306D.

System action

RMF asks the operator for intervention: RMF issues message ERB305I, listing the current session options, followed by message ERB306D, to which the operator replies by supplying new options or entering GO. RMF continues other processing.

Operator response

Examine the options listed following message ERB305I, and respond to message ERB306D.

System programmer response

If the incorrect option was specified in the EXEC statement or in the library data source, correct it.

ERB222I	<i>sid</i>: MEMBER ID LIMIT EXCEEDED, MEMBER <i>nn</i> IN {OPERATOR PARM} INPUT IS IGNORED
----------------	---

Explanation

During input merge for session *sid*, more than five valid members were specified as the library data source. As a result, RMF ignores member ERBRMFnn and merges the session options from the other sources.

The source of the error is indicated in the message as follows:

- OPERATOR for an operator command
- PARM for the PARM field on the EXEC statement in the RMF cataloged procedure

System action

RMF asks the operator for intervention: RMF issues message ERB305I, listing the current session options, followed by message ERB306D. RMF continues other processing.

Operator response

Examine the options listed following message ERB305I, and respond to message ERB306D by supplying new options or entering GO.

System programmer response

If the error occurred in the EXEC statement, correct it.

ERB223I	<i>sid</i>: UNEXPECTED END OF TEXT IN <i>source</i> INPUT
----------------	--

Explanation

During input merge for the RMF Postprocessor or for session *sid*, RMF encountered the end of text in an input source when it expected to find additional required information. The source of the error was:

Source

Where the error was encountered

OPERATOR

In an operator command.

PARM

In the PARM field of an EXEC statement in the RMF cataloged procedure.

LIBRARY nn

In library member ERBRMFnn.

REPLY

In the operator reply to message ERB306D.

SYSIN

In an RMF Postprocessor control statement.

System action

When the error occurs during a session, RMF asks the operator for intervention: RMF issues message ERB305I, listing the current session options, followed by message ERB306D. RMF continues other processing.

When the error occurs during the Postprocessor session, RMF substitutes the incorrect option with the default value, if one exists.

Operator response

Examine the options listed following message ERB305I, and respond to message ERB306D by supplying new options or entering GO.

System programmer response

If the error occurred in the EXEC statement, the library data source, or a Postprocessor control statement, correct it.

ERB224I***sid: input* SKIPPED DUE TO PREVIOUS ERROR**

Explanation

During input merge for the RMF Postprocessor, for the Monitor III data reporter, or for session *sid*, RMF detected an error, such as a syntax error. RMF skipped the incorrect input, which is written in the message, then attempted to validate the remaining input.

System action

When the error occurs during a session, RMF asks the operator for intervention: RMF issues message ERB305I, listing the current session options, followed by message ERB306D. RMF continues other processing.

When the error occurs during the Postprocessor session or the Monitor III data reporter, RMF substitutes the incorrect option with the default value, if a default value exists.

Operator response

Examine the options listed following message ERB305I and the skipped input to determine which options are missing. Respond to message ERB306D with the missing options or by entering GO.

System programmer response

When the error occurred during the Postprocessor or the Monitor III data reporter, correct the control statement that caused the error before using the Postprocessor or data reporter again.

ERB225I***sid: INVALID option VALUE yyyy IN source INPUT***

Explanation

During input merge for the RMF Postprocessor or for session *sid*, RMF detected an incorrect value, *yyyy*, for the named option. The source of the incorrect value is:

Source

Where the option was specified

OPERATOR

In an operator command.

PARM

In the PARM field of an EXEC statement in the RMF cataloged procedure.

LIBRARY nn

In library member ERBRMFnn.

REPLY

In the operator reply to message ERB306D.

SYSIN

In an RMF Postprocessor control statement.

System action

When the error occurs during a Monitor I or II background session or a Monitor III data gatherer session, RMF asks the operator for intervention: RMF issues message ERB305I, listing the current session options, followed by message ERB306D. RMF continues other processing.

When the error occurs during the Monitor III data reporter or the Postprocessor session, RMF ignores the incorrect option and substitutes the default value, if a default value exists. Also, for the data reporter, RMF displays the OPTIONS screen on the user's terminal.

When you get a message with an invalid date value, for example, ERB225I PPS: INVALID DATE VALUE '41365' IN SYSIN INPUT, then either the start date or the end date does not fit into the sliding window. The sliding window is the current year - 50 as start date, and the current year + 49 as end date.

Operator response

Examine the options listed following message ERB305I, and respond to message ERB306D by supplying new options or entering GO.

System programmer response

If the incorrect value occurred in the EXEC statement, the library data source, or a Postprocessor control statement, correct it.

ERB226I***sid: OPEN FAILED FOR MESSAGE DATASET***

Explanation

For Monitor I session *sid* or Monitor II background session *sid*, RMF failed to open an output message data set.

For the Postprocessor, RMF failed to open the output message data set, MFPMMSGDS.

System action

If *sid* identifies a session, RMF ends that session but continues processing all other active sessions.

If *sid* identifies the Postprocessor, RMF ends the Postprocessor job.

Operator response

Try to start the session or the Postprocessor again. If the problem persists, notify the system programmer.

ERB227I***sid*: REJECTED, MAX SESSIONS ALREADY ACTIVE**

Explanation

A START command was issued to start non-TSO Monitor II session *sid* when the maximum number, 32, of Monitor II sessions were already active.

System action

RMF does not start session *sid*, but continues processing all other active sessions.

Operator response

Either stop one of the currently active sessions or wait until an active session stops. Then reissue the START command for session *sid*.

ERB229I***sid*: INITIALIZATION FAILED**

Explanation

RMF could not initialize session *sid*.

System action

RMF ends the session but continues processing all other active sessions.

Operator response

If RMF issues another message, such as ERB230I, describing the reason for the failure, respond to that message. If RMF does not issue another message, try to restart the session. If the problem persists, notify the system programmer.

ERB230I***sid*: TERMINATED ABNORMALLY {*Scde*/*Ucde*}**

Explanation

RMF detected that the system has abnormally ended session *sid*. *Ucde* is the user completion code, and *Scde* is the system completion code.

System action

If the RMF cataloged procedure included a SYSABEND or SYSUDUMP DD statement, the system writes a storage dump for the failing session. RMF continues processing all other active sessions.

Operator response

None.

System programmer response

Examine the dump and respond to the completion code.

ERB231I**sid: NOT ACTIVE**

Explanation

A MODIFY, STOP, or DISPLAY command specified session *sid*, but no currently active session is identified as *sid*.

System action

RMF does not process the command, but continues processing all active sessions.

Operator response

Enter the DISPLAY ACTIVE session command to determine the correct session identifier, and reissue the command. The command is described in *z/OS Data Gatherer User's Guide*.

ERB232I**sid: UNABLE TO ALLOCATE {HARDCOPY|SYS1.PARMLIB}. RETURN
CODE rc, ERROR CODE eeee, INFORMATION CODE iiii**

Explanation

During session *sid*, RMF failed to allocate dynamically either:

- An output data set needed for hardcopy, if *sid* is a Monitor II or Monitor III display session, or for a printed report, if *sid* is a background session.
- Parmlib for option processing

System action

For a display session, RMF continues the session but produces no hardcopy output.

For a background session, if the RECORD option is in effect, RMF continues measurement but produces no printed reports. If the RECORD option is not in effect for a background session, RMF ends the specific measurement but continues the session.

If Parmlib could not be allocated, RMF continues the session using the default values for the options.

Operator response

Continue the session, or end it and correct the situation described by the return, error, and information codes. See *z/OS MVS Programming: Authorized Assembler Services Guide* for more information.

ERB233I**sid: UNABLE TO OPEN HARDCOPY**

Explanation

During session *sid*, RMF failed to open an output data set. The data set was needed for hardcopy, if *sid* is a Monitor II or Monitor III display session; or for a printed report, if *sid* is a background session.

System action

For a display session, RMF continues the session but produces no printable output.

For a background session, if the RECORD option is in effect, RMF continues measurement but produces no printed reports. If the RECORD option is not in effect for a background session, RMF ends the specific measurement but continues the session.

ERB234I**sid: module TERMINATED ABNORMALLY Scde**

Explanation

During the RMF Postprocessor session or during session *sid*, an error caused an abnormal ending; *Scde* is the system completion code. The message names the RMF *module* most recently in control.

System action

If the error occurred after a Monitor II session had been successfully initialized, RMF issues message ERB235A to let the operator decide whether or not to continue the session. When RMF cannot issue ERB235A, RMF ends the session. In either case, RMF continues processing all other active sessions.

If the error occurred during the RMF Postprocessor session, RMF stops generating the Monitor II session interval report that was in process. If other reports were requested, the Postprocessor continues with them.

If the error occurred during a Monitor III display session, RMF either displays a panel allowing the operator to request a dump, or issues one of the following messages:

ERB565I

The Monitor III data gatherer was ended. RMF produces no more reports but continues the session.

ERB567I

The Monitor III data reporter detected an I/O error while accessing the SYSOUT data set. RMF produces no more printable output but continues the session.

Operator response

Respond to the system completion code and to message ERB235A, if issued.

ERB235A	<i>sid</i>: TO CONTINUE RMF SESSION, ENTER ANY RMF COMMAND. TO TERMINATE THE SESSION AND OBTAIN A DUMP, ENTER 'STOP'
----------------	---

Explanation

An abnormal ending, described in a previous message, has occurred during session *sid*. The operator can continue the session without obtaining diagnostic information or end the session and obtain diagnostic information.

System action

RMF waits for the operator's response.

Operator response

To continue the session, enter any explicit RMF display command. However, do not press the ENTER key to repeat the previous command; repetition will probably cause the problem to recur.

To end the session and obtain a dump, enter STOP.

ERB236I	<i>sid</i>: TERMINATED ABNORMALLY <i>Ucde</i>
----------------	--

Explanation

An abnormal ending occurred during session *sid*. *Ucde* is the user completion code.

System action

If the error occurred after the session had been successfully initialized, RMF issues message ERB235A to let the operator decide whether or not to continue the session. When RMF cannot issue ERB235A, RMF ends the session. In either case, RMF continues processing all other active sessions. If the error occurred during a Monitor III display session, RMF displays a panel allowing the operator to decide whether or not to obtain a dump.

Operator response

Respond to the user completion code and to message ERB235A, if issued.

ERB237I***sid:* ABEND U1403 FROM ERBRMFPL - INPUT ERROR**

Explanation

During the RMF Postprocessor session or Monitor II session *sid*, RMF's putline routine, module ERBRMFPL, was passed an incorrect input parameter. The text length was 0 or greater than 79, or the data type contained a value other than HD or DT. RMF may be running with a back level or incorrectly modified copy of module ERBFMENU or ERBBMENU.

System action

If the error occurred after the session had been successfully initialized, RMF issues message ERB235A to let the operator decide whether or not to continue the session. When RMF cannot issue ERB235A, RMF ends the session. In either case, RMF continues processing all other active sessions.

If the error occurred during the Postprocessor session, RMF stops printing the Monitor II session report that was in process. If other reports were requested, the Postprocessor continues with them.

The system writes an ABEND dump for the failing job step.

Operator response

If an installation-supplied reporter module caused the error, notify the responsible programmer. If an IBM-supplied module caused the error, respond to user completion code 1403 and to message ERB235A, if issued.

System programmer response

If ERBFMENU or ERBBMENU has been modified, the modification must be done again to either correct the error or to use a version of the module that was compiled with the current level of the SMF record mapping macros.

Search problem reporting data bases for a fix. If no fix exists, report the problem to the IBM Support Center.

ERB238I***sid:* ABEND U1404 FROM ERBPUTSM - TOO MANY HEADER OR DATA LINES**

Explanation

During display session *sid*, RMF module ERBPUTSM was called to add a header or data line to the logical terminal buffer, but ERBPUTSM found the maximum number of header or data lines already in the buffer. The maximum number of header lines is 2; the maximum number of data lines cannot exceed the number of relocate blocks specified in the PICTURE macro.

System action

If the error occurred after the session had been successfully initialized, RMF issues message ERB235A to let the operator decide whether or not to continue the session. When RMF cannot issue ERB235A, RMF ends the session. In either case, RMF continues processing all other active sessions.

The system writes an ABEND dump for the failing job step.

Operator response

Modify the PICTURE macro specified in the ERB {B|F} menu, if desired. Otherwise, if an installation-supplied reporter module caused the error, notify the responsible programmer, or, if an IBM-supplied module caused the error, respond to user completion code 1404 and to message ERB235A, if issued.

System programmer response

Obtain the SYSOUT output for the job.

Search problem reporting data bases for a fix. If no fix exists, report the problem to the IBM Support Center.

ERB239I***sid:* ABEND U1405 FROM ERBPUTSM - INPUT ERROR**

Explanation

During display session *sid*, RMF module ERBPUTSM was called to add a text string to the logical terminal buffer, but the length specified for the text was zero.

System action

If the error occurred after the session had been successfully initialized, RMF issues message ERB235A to let the operator decide whether or not to continue the session. When RMF cannot issue ERB235A, RMF ends the session. In either case, RMF continues processing all other active sessions.

The system writes an ABEND dump for the failing job step.

Operator response

If an installation-supplied reporter module caused the error, notify the responsible programmer. If an IBM-supplied module caused the error, respond to user completion code 1405 and to message ERB235A, if issued.

System programmer response

Obtain the SYSOUT output for the job.

Search problem reporting data bases for a fix for the problem. If no fix exists, report the problem to the IBM Support Center.

ERB240I***sid:* ABEND U1401 FROM ERBMFDPC - ERROR RETURN FROM TGET**

Explanation

During a TSO display session, the TGET SVC routine returned a code of 4, 16, 20, or more than 20.

System action

If the error occurred after the session had been successfully initialized, RMF issues message ERB235A to let the operator decide whether or not to continue the session. When RMF cannot issue ERB235A, RMF ends the session. In either case, RMF continues processing all other active sessions.

Operator response

Respond to user completion code 1401 and to message ERB235A, if issued.

ERB241I***sid:* ABEND U1402 - INVALID ENTRY CODE TO DATA GATHERER OR DATA REPORTER**

Explanation

During the RMF Postprocessor session or Monitor II session *sid*, a data gatherer or data reporter issued return code 8 to indicate that it detected an incorrect entry code in its input parameters.

System action

If the error occurred after the display session had been successfully initialized, RMF issues message ERB235A to let the operator decide whether or not to continue the session. When RMF cannot issue ERB235A, RMF ends the session.

If the error occurred during a background session, RMF ends the session.

If the error occurred during either a display or background session, RMF continues processing all other active sessions.

If the error occurred during the Postprocessor session, RMF stops printing the Monitor II session report that was in progress. If other reports were requested, the Postprocessor continues with them.

The system writes an ABEND dump for the failing job step.

Operator response

For a display or background session or for the Postprocessor, respond to user completion code 1402. For a display session, respond to message ERB235A, if issued.

System programmer response

Obtain the SYSOUT output for the job.

Search problem reporting data bases for a fix. If no fix exists, report the problem to the IBM Support Center.

ERB242I	<i>sid: POSTPROCESSOR TERMINATED - UNABLE TO OPEN INPUT FILE (ddname)</i>
----------------	--

Explanation

The RMF Postprocessor, ERBRMFPP, was unable to open the input data set.

System action

RMF ends the Postprocessor.

Operator response

None.

System programmer response

Correctly describe the input data set on a DD statement named *ddname*.

ERB243I	<i>sid: POSTPROCESSOR TERMINATED - ESTAE COULD NOT BE ESTABLISHED</i>
----------------	--

Explanation

During the RMF Postprocessor session, the ESTAE macro failed and issued a non-zero return code.

System action

RMF ends the Postprocessor.

System programmer response

Notify the RMF license holder at your installation.

ERB244I	<i>sid: MONITOR II REPORTS TERMINATED ABNORMALLY {Ucde Scde}</i>
----------------	---

Explanation

An error occurred while the RMF Postprocessor was formatting and writing Monitor II session reports. The error was not associated with a particular report. The Postprocessor may issue a user completion code *Ucde*; *Scde* is the system completion code.

System action

Because the error was not associated with a particular report, RMF stops formatting and writing all Monitor II session reports for this post processor session. If other reports were requested, the Postprocessor continues with them.

System programmer response

Examine the dump, and respond to the completion code.

ERB245I	<i>sid</i>: INVALID RETURN CODE FROM USER EXIT - USER EXIT IGNORED
----------------	---

Explanation

During the RMF Postprocessor session with the EXITS option in effect, the Monitor I session user exit, ERBMFPUS, passed a return code other than 0, 4, or 8 to the Postprocessor.

System action

The Postprocessor continues running but will no longer invoke the user exit.

System programmer response

Retest the user exit routine to make sure that it returns a valid code to the Postprocessor.

ERB246I	Control statements for PLOT reporting are ignored
----------------	--

Explanation

With z/OS V1R11 RMF, Postprocessor PLOT reports are no longer available. The corresponding control statements PLOTS, PTOD, MAXPLEN, and PINTV are ignored.

System action

The Postprocessor continues with the next control statement.

User response

None.

ERB247I	<i>sid</i>: INTERVAL REPORT TERMINATED DUE TO UNRECOVERABLE ERROR - ABEND {<i>Scde/Ucde</i>}
----------------	---

Explanation

During the RMF Postprocessor session, one of the following occurred:

- An unrecoverable error occurred during initialization for Monitor I session interval reporting.
- All requested Monitor I session interval reports ended abnormally. In this case, RMF issues messages ERB401I and ERB402I before this message.

RMF may issue a user completion code *Ucde*; *Scde* is the system completion code.

System action

For either error, the Postprocessor stops generating interval reports. If a summary report is requested, the Postprocessor continues with this one.

System programmer response

Examine the dump, and respond to the completion code.

ERB248I	<i>sid</i>: DURATION REPORT TERMINATED TO UNRECOVERABLE ERROR - ABEND {<i>Scde</i>/<i>Ucde</i>}
----------------	--

Explanation

An error occurred while the RMF Postprocessor was formatting and writing a duration report. The error was not associated with a particular report.

RMF may issue a user completion code *Ucde*; *Scde* is the system completion code. RMF may also issue messages ERB401I and ERB402I before this message.

System action

Because the error was not associated with a particular report, RMF stops formatting and writing all duration reports for this Postprocessor session. If other reports were requested, the Postprocessor continues with them.

System programmer response

Examine the dump, and respond to the completion code.

ERB250I	PPS: SMF RECORD CONVERTER ERBPPCON TERMINATED ABNORMALLY, <i>Sccc</i>
----------------	--

Explanation

The RMF Postprocessor system management facilities (SMF) record converter, ERBPPCON, ended because of an error. ERBPPCON provides compatibility to the report-writing routines for SMF records created prior to RMF version 3.1.

In the message text, *Sccc* is the system completion code.

System action

The Postprocessor controller, ERBRMFPP, skips any SMF records created by previous versions of RMF. The RMF Postprocessor continues processing the SMF records created by RMF version 3. The data from the skipped records is not included in the reports produced by the Postprocessor.

System programmer response

Respond according to the action indicated in *z/OS MVS System Codes* for the given system completion code.

ERB251I	SMF RECORD <i>tt</i>, SUBTYPE <i>ss</i>, INCOMPLETE.
----------------	---

Explanation

The Postprocessor could not reassemble an SMF record of type *tt* and subtype *ss* because that record is incomplete. Originally, the record was larger than 32K, so it was broken into several smaller records. When attempting to reassemble the record, the Postprocessor could not find one or more of the smaller SMF records in the SMF data set.

System action

The smaller SMF records that belong to the incomplete SMF record are skipped.

User response

A possible cause for this may be due to the Daylight Savings Time change resulting in multiple records of the same type to occur with the same timestamp. If the records were split, the segments can be intermixed during sorting. This results in an inability for the Postprocessor to reassemble all segments of the complete record. View the dataset using ERBSCAN for the record type and subtype to determine if this is the case. Split the SMF data file into separate datasets by DST change and run the Postprocessor separately for each dataset.

Programmer response

Check the SMF input data set.

ERB252I	<i>sid:{CYCLE CONFIGURATION PROCESSOR TYPE} CHANGED DURING date1 time1 DURATION INTERVAL. number type {INTERVALS RECORDS} SKIPPED STARTING date2 time2</i>
----------------	--

Explanation

While processing a duration report, the RMF Postprocessor found a change in either the cycle length, the configuration, or the processor type for the session that produced the system management facilities (SMF) records.

The meaning of the fields in the message text are:

date1 time1

The date and starting time of the duration interval during which either the cycle, the configuration, or the processor type change occurred.

number

The number of RMF measurement intervals that were skipped because of either the different cycle length, the configuration change, or the processor type change.

date2 time2

The date and starting time of the first RMF measurement interval that was skipped.

Note: RMF takes *date1* and *time1* from the first input record for the duration interval during which either the cycle, the configuration, or the processor type changed. Therefore, *date1* and *time1* may be later than the start date and time specified on the Postprocessor control statements.

System action

If the cycle length changed, the Postprocessor continues processing the duration reports, but ignores all data in the SMF records with different cycle lengths.

If the configuration changed, RMF skips either all device SMF records, or I/O queuing SMF records, or both, which belong to the same duration interval. If the processor type changed, RMF skips all I/O queuing SMF records which belong to the same duration interval.

ERB253I	<i>sid: type RECORDS NO LONGER COLLECTED DUE TO {Scde/Ucde} ABEND IN DURATION INTERVAL date time</i>
----------------	---

Explanation

While processing a duration report, the RMF Postprocessor detected an error. The Postprocessor may issue a user completion code *Ucde*; *Scde* is the system completion code.

The message indicates the date and start time of the duration interval during which the error occurred.

System action

If the error occurred during the data collecting phase, the Postprocessor stops collecting data for the type of duration report named in the message. If other duration reports were requested, the Postprocessor continues with them.

If the error occurred during the report writing phase, some or all of the reports for the duration interval indicated in the message may be lost. The Postprocessor continues to generate all types of duration reports.

System programmer response

Examine the dump, and respond to the completion code.

ERB254I	<i>sid</i>: SUMMARY REPORT COLUMN <i>ccc</i> ELIMINATED DUE TO {<i>Scde</i> <i>Ucde</i>} ABEND - INTERVAL date time
----------------	--

Explanation

While processing a summary report, the RMF Postprocessor detected an error. The Postprocessor may issue a user completion code *Ucde*; *Scde* is the system completion code.

The error occurred while the Postprocessor was calculating or formatting data for report column *ccc*. The message indicates the date and start time of the system management facility (SMF) record being processed when the error occurred.

System action

The Postprocessor continues generating the summary report, but makes no further attempts to calculate or format data for column *ccc*.

System programmer response

Examine the dump, and respond to the completion code.

ERB255I	<i>sid</i>: SUMMARY REPORT TERMINATED DUE TO UNRECOVERABLE ERROR - ABEND {<i>Scde</i> <i>Ucde</i>}
----------------	---

Explanation

While generating a summary report, the RMF Postprocessor detected an error that was not associated with a particular column in the report. The Postprocessor may issue a user completion code *Ucde*; *Scde* is the system completion code.

System action

Because the error was not associated with a particular column in the report, RMF stops formatting and writing the entire summary report for this Postprocessor session. If other reports were requested, the Postprocessor continues with them.

System programmer response

Examine the dump, and respond to the completion code.

ERB256I	<i>sid</i>: SUMMARY REPORT <i>ccc</i> COLUMN CONTAINS DATA FROM TRUNCATED RECORDS. DATA MAY BE INCOMPLETE.
----------------	---

Explanation

In the input data set, the RMF Postprocessor found spanned records without their spanning indicators. The Postprocessor issues this warning message because such records may be truncated or incomplete. *ccc* indicates the column in the report affected by the apparently truncated records.

During a session, RMF can generate system management facility (SMF) records that are so long that the records are spanned, that is, occupy more than one physical block. The spanning indicators can be lost through improper copying of the SMF records.

System action

The Postprocessor continues to generate the summary report using the data available and eliminating no columns.

System programmer response

Review your installation's procedures for copying or processing the SMF records produced by RMF. See *z/OS MVS System Management Facilities (SMF)* for further information.

ERB257I	<i>sid</i>: RECORDS WITH VERSION NUMBER <i>nn</i> WERE FOUND IN THE INPUT DATA SET. THE EXPECTED VERSION NUMBER IS <i>mm</i>.
----------------	--

Explanation

The Postprocessor found system management facility (SMF) records with an unexpected version number.

If *nn* is a valid version number, the SMF records were written by a gatherer that is at a higher release or service level than the Postprocessor.

If version number *nn* is obviously wrong, however, the cause of the problem may be that SMF records have been truncated by being copied to a non-VBS data set.

System action

The Postprocessor ignores records with an inappropriate version number and continues reading records. Records with the appropriate version number are processed. If no appropriate records are found, the Postprocessor ends with return code 4.

System programmer response

To ensure that the Postprocessor can handle the version of the SMF records to be processed, either run the Postprocessor on the same system as the gatherer, or install the newest level of RMF on the system on which you run the Postprocessor.

To avoid an obviously wrong value in *nn*, ensure that SMF records are always copied to a data set with record format VBS (variable blocked spanned.)

ERB258I	<i>sid</i>: MONITOR I INTERVAL COLLECTION SKIPPED
----------------	--

Explanation

A reporting interval for RMF Monitor I session *sid* lasted beyond 99 minutes. RMF did not create a system management facility (SMF) record for this interval, because the interval value field in the record cannot hold a value greater than 99. If produced, the SMF record would have been incorrect.

The long interval occurred for one of the following reasons:

- RMF had a dispatching priority so low it was not dispatched before 100 minutes had elapsed.
- The processor was stopped during the interval.
- A SET command changed the system clock during the interval.

System action

For this interval, RMF cancels the output, produces no SMF record, and writes no reports.

System programmer response

If the dispatching priority of RMF is too low, increase it so that RMF is dispatched more frequently.

ERB259I**EXCEPTION REPORTING TERMINATED**

Explanation

An error occurred in RMF module ERBMFXCB or ERBMFPER. The Postprocessor ESTAE routine failed to recover.

System action

RMF continues post processing, but ends exception reporting.

System programmer response

Examine the dump, and respond to the completion code in it.

ERB260I***activity* ACTIVITY RMF REPORT TERMINATED**

Explanation

RMF encountered an unrecoverable error while taking measurements for the Monitor I monitoring activity named in the message. This message follows ERB261I, ERB265I, ERB266I, or ERB272I, which give the reason for ending the measurement.

System action

RMF stops the measurements.

System programmer response

Respond to the messages preceding ERB260I.

ERB261I***sid*: UNABLE TO ESTABLISH ENF LISTEN EXIT FOR EVENT CODE *code*.
RETURN CODE *rc*.**

Explanation

RMF had issued an ENFREQ macro to call the event notification facility (ENF) in order to establish a listen exit. The ENFREQ macro passed return code *rc*; see *z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG* for further information.

System action

If the error occurred while RMF was trying to establish a listen exit for a specific report, RMF ends the report, stops the corresponding measurement, and issues message ERB260I.

If the error occurred while RMF was trying to establish the listen exit for dynamic I/O reconfiguration (event codes 31 and 32), RMF cannot recognize dynamic I/O environment changes, and issues message ERB294I.

Operator response

Contact your system programmer

System programmer response

Analyze the return code *rc* from the ENFREQ macro.

ERB263I	RMF UNABLE TO CLOSE IOCDs. {RETURN RESPONSE} CODE <i>rc</i>
----------------	--

Explanation

RMF failed to close the I/O configuration data set (IOCDs). The MSSFCALL SVC passed return code or response code *rc*, which is described in messages ERB265I and ERB266I.

System action

RMF continues processing.

Operator response

Probable hardware error. An initial microcode load (IML) may be required before the IOCDs can be accessed again.

ERB264I	NO CHANNEL PATH STATUS DATA AVAILABLE TO RMF
----------------	---

Explanation

Either RMF detected that both the store channel path status (STCPS) facility was not active and the I/O Queuing Activity report was selected at initialization time or the Monitor I session option for channel path activity (CHAN) was specified and both the STCPS facility was not active and the Channel Path Measurement Facility (CPMF) was not available.

System action

RMF stops channel activity measurement. The field % ALL CHANNEL PATHS BUSY in the I/O queuing (IOQ) report will be zero.

ERB265I	IOCDs INFORMATION UNAVAILABLE TO RMF. {RESPONSE RETURN} CODE <i>rc</i>.
----------------	--

Explanation

RMF encountered an error while trying to read the I/O configuration data set (IOCDs). A model-dependent return code is included only if IOCDs data is returned by the service processor.

The possible return codes are:

0001

Data set not found during READ.

0002

Buffer address is not valid.

0003

Permanent I/O error.

0005

Number of records to be read is less than or equal to zero, or greater than 32,768.

0007

Record format is not valid.

0008

Incorrect length.

0009

Data set open for output.

- 0011**
Number of records for a variable length data set is one.
- 0013**
Displacement of a variable length data set in the ACTIVEFILE table is not valid.
- 0014**
Character is not valid in data set name during READ.
- 0015**
Character is not valid in data set type during READ.
- 0020**
Character is not valid in data set ID during OPEN process.
- 0024**
Data set mode is not valid during OPEN process.
- 0036**
Disk not accessed during OPEN process.
- 0037**
Failure in non-READ/WRITE services.
- 0100**
Number of records specified in model-dependent parameter is not valid.
- 0101**
Data set not open.
- 0102**
Data set is not valid in model-dependent parameter.
- 0104**
Function is not valid in model-dependent parameter.
- 0106**
Command not accepted because write sequence is in progress.
- 0107**
Diagnostic IOCDS is active but not valid for reads.
- 0108**
No IOCDS is currently marked active.
- 0112**
End of file, or record number is greater than number of records in data set.
- 0128**
Data set not found during OPEN process.
- 0130**
IOCDS/IOCS file specified may not be accessed from this CEC side.
- 0132**
IOCDS/IOCS is open for a write by another partition. This is returned by the LPAR hypervisor.
- 0133**
IOCDS/IOCS is incorrect because a partition was reset during a write operation. The IOCDS/IOCS must be validated by a write sequence. This is returned by the LPAR hypervisor.
- 0134**
The PR/SM partition is not authorized to read the IOCDS.
- 01F0**
Function not supported by VM. Option RMCHINFO not specified for the MVS virtual machine on VM. For VM/ESA, specify the RMCHINFO option to get the configuration data in the IOQ report.
- 0200**
Successful for inactive IOCDS/IOCS.
- 0201**
Successful for active not updated IOCDS/IOCS.

0202

The active IOCDS used for this power on reset has already been updated. Because it may not reflect the current configuration information, RMF ends further attempts to process this information.

0457

IOCDS format error. This occurs when RMF is run under PR/SM without the PR/SM support PTF installed.

FFFF

Reserved for service call front-end routing module. Incorrect routing code specified.

System action

RMF cannot obtain information about the present I/O configuration. The action RMF takes for each report is:

CHANNEL PATH ACTIVITY

RMF continues monitoring but cannot obtain the channel type for the system management facility (SMF) record or for the written report.

I/O DEVICE ACTIVITY

RMF continues monitoring devices but cannot obtain the logical control unit (LCU) identifier for the SMF record. The RMF report, if requested, will not contain the LCU device activity summary; instead, the device report lists the device numbers in ascending order, and the LCU field is blank.

I/O QUEUING ACTIVITY

RMF stops monitoring I/O queuing activity and issues message ERB260I.

System programmer response

Contact your software support personnel.

ERB266I**IOCDS INFORMATION UNAVAILABLE TO RMF. RETURN CODE *rc*.****Explanation**

RMF encountered an error while trying to read the I/O configuration data set (IOCDS). The service call routine returned return code *rc*.

Values of *rc* and their meanings are:

0004

The service processor is temporarily busy.

0008

The MVS control block for interfacing with the service processor is in use.

0012

The service processor is not available because of hardware failure.

System action

RMF cannot obtain information about the present I/O configuration. The action RMF takes for each report is:

CHANNEL

RMF continues monitoring but cannot obtain the channel type for the system management facility (SMF) record or for the written report.

I/O DEVICE

RMF continues monitoring devices. In the SMF record, a flag (SMF74LCD) is on and the logical control unit (LCU) is unpredictable. The RMF report, if requested, does not contain the LCU device activity summary. The LCU field is blank.

I/O QUEUING

RMF ends monitoring I/O queuing activity and issues message ERB260I.

ERB267I**SRM I/O LOAD BALANCING INFORMATION UNAVAILABLE TO RMF.**

Explanation

RMF cannot find the logical path block (LPB) table to satisfy an LPB utilization (LPBUTIL) trace option request, nor can it obtain information about load balancing from system resource management (SRM).

System action

RMF ends the LPBUTIL trace request but continues all other trace requests.

System programmer response

During the next IPL, allow more storage for the LPB table by specifying a larger value for the SQA parameter. See *z/OS MVS Initialization and Tuning Reference*.

ERB268I	<i>sid</i>: PRIVATE STORAGE TOO SMALL FOR MONITOR III GATHERER
----------------	---

Explanation

The REGION parameter in the cataloged procedure for the RMF Monitor III data gatherer is too small.

System action

RMF ends the Monitor III data gatherer.

System programmer response

Increase the REGION parameter value in the cataloged procedure.

ERB269I	III: ERROR IN MONITOR III GATHERING MODULE <i>module</i> DUMP TAKEN
----------------	--

Explanation

The RMF Monitor III data gatherer module named in the message found a permanent error when trying to collect data. This error could happen if RMF external control blocks were changed since the last Monitor III session.

System action

RMF ends the named Monitor III data gatherer module but continues other data gathering.

System programmer response

Examine the printed dump, and correct any errors.

ERB270I	<i>sid</i>: THE ADDRESS SPACE OF MONITOR III GATHERER NO LONGER EXISTS
----------------	---

Explanation

In response to a MODIFY session command for a Monitor III data gatherer, RMF could not find the address space for session *sid*. This error could happen if you had entered a CANCEL command for any of the address spaces of the started task RMFGAT.

System action

RMF ends the session *sid*.

Operator response

If appropriate, restart the Monitor III data gatherer.

Explanation

Private storage at Monitor III data collection region RMFGAT is too small.

System action

RMF deactivates Monitor III CACHE data collection.

Operator response

Reduce the number of CACHE subsystems for which CACHE data should be collected, using the gatherer option: CACHE(SSID(yyyy, yyyy, . . .)).

Or you can ask your system programmer to increase the region parameter value in the RMFGAT procedure.

System programmer response

Increase the region parameter value in the RMFGAT procedure and restart it.

Explanation

A device report was requested for devices that do not belong to the system.

System action

RMF stops monitoring device activity, and issues message ERB260I.

System programmer response

Change the device class or NMBR range of the device options that are used to start the session, and make sure the selected devices belong to the system. Then modify the session using the corrected device options.

Explanation

In the RMF Monitor I trace report, at least one of the following fields was selected: OMDGWTOI, OMDGCMDI, OMDGWTLI, OMDGWQEB, OMDGOREB or OMDGAMRE. The module is not available.

System action

No trace data is produced for the selected fields. The trace activity report contains the following line for each of the selected fields:

NO VALID DATA GATHERED FOR FIELD *fieldname*.

Operator response

Contact your system programmer.

System programmer response

Report the problem to the IBM Support Center.

Explanation

You requested the option FCD, but there is no FICON director installed in the system.

System action

Because there is no FICON director installed, no data can be provided. The option FCD is terminated if the system does not allow dynamic I/O updates. Otherwise, the option stays active but no SMF record 74-7 is written until a FICON director is installed and is activated via an HCD ACTIVATE request.

System programmer response

To suppress this message, change the option statement or library member to indicate NOFCD until a FICON director is installed in the system and FICON director measurement data is available.

ERB276I **I/O CONFIGURATION DATA IS NOT AVAILABLE.**

Explanation

RMF encountered an error while trying to retrieve I/O configuration data.

System action

RMF cannot obtain information about the present I/O configuration. The action RMF takes for each report is:

CHANNEL

RMF continues monitoring but cannot obtain the channel type for the system management facility (SMF) record or for the written report.

I/O DEVICE

RMF continues monitoring devices. In the SMF record, a flag (SMF74LCD) is on and the logical control unit (LCU) is unpredictable. The RMF report, if requested, does not contain the LCU device activity summary. The LCU field is blank.

I/O QUEUING

RMF ends monitoring I/O queuing activity and issues message ERB260I.

ERB277I ***sid*: OPTION VALUE OUT OF RANGE, CONFLICTING, OR IMPROPERLY SPECIFIED.**

Explanation

While processing the options for Monitor III data reporter session *sid*, RMF detected an incorrect value for one of the following options: MODE, SCREEN, REFRESH, STOP, or SYSOUT.

System action

If the option error is detected during input/merge processing, when starting a local 3270 reporting session, RMF issues additional messages to the system console.

If the option error is detected during options processing in a foreground session, RMF assumes the default value for the incorrect option and continues the session.

ERB278I ***sid*: INVALID OPTION OR EDIT COMMAND ENCOUNTERED**

Explanation

While processing the options for Monitor III data reporter session *sid*, RMF detected incorrect options and/or edit commands. RMF highlights the errors.

System action

RMF continues the session.

Operator response

Correct the incorrect options and commands, or press ENTER to make RMF ignore the highlighted options and commands.

ERB279I***sid*: MONITOR III GATHERER INITIALIZATION FAILED**

Explanation

While RMF was initializing Monitor III data gatherer session *sid*, an error occurred. The error could be either:

- A system overload.
- Procedure RMFGAT missing from SYS1.PROCLIB.
- OMVS has not yet initialized.

System action

RMF stops initializing the data gatherer but continues processing all other active sessions.

System programmer response

Try to start session *sid* again after other address spaces have ended. Check SYS1.PROCLIB for RMFGAT; if missing, install them in the library.

ERB280I**III: DATA GATHERER ABENDED {*Ucde*/*Scde*}**

Explanation

During Monitor III data gathering, an unrecoverable error occurred while the data gatherer control modules were running. The data gatherer recovery routines did not attempt a retry.

In the message, *Ucde* is the user completion code; *Scde* is the system completion code.

System action

The system writes an ABEND dump for the failing job step.

The Monitor III data gatherer ends.

System programmer response

Examine the dump, and respond to the completion code. If this problem recurs, notify the RMF license holder at your installation.

Search problem reporting data bases for a fix. If no fix exists, report the problem to the IBM Support Center.

ERB281I**UNABLE TO ACTIVATE/DEACTIVATE LCU MEASUREMENTS. RESPONSE
CODE|RETURN CODE *cccc***

Explanation

RMF could not activate or deactivate the channel hardware generation of model-dependent I/O measurements for logical control units of the I/O configuration. In the message text, *ccc* is the return code from SVC 122.

System action

RMF processing continues without the I/O queuing activity report function. If RMF was attempting to activate LCU measurements during initialization, this message is followed by message ERB260I.

ERB282I	IOCD INFORMATION UNAVAILABLE FOR <i>ddd</i> OF <i>yyyy</i> DEVICES. LAST RETURN RESPONSE CODE <i>cccc</i>
----------------	--

Explanation

RMF attempted to read the I/O configuration data for the device *ddd* named in the message, but MSSFCALL returned an unexpected error. In the message text, *ccc* is the response code or the return code from MSSFCALL.

System action

RMF could not obtain the IOCD information for device *ddd*. The following action is taken for each I/O report requested:

- Channel -- monitoring will continue, but the channel type information may not be available in the SMF record and/or the written record.
- I/O device -- monitoring will continue, but an indicator in the SMF record will be set and the LCU is not available. For purposes of formatting the the device report output properly, RMF will assign the device to the dummy device group LCU 00.

ERB283I	PPS: MAXIMUM NUMBER OF 253 OVW CONTROL STATEMENTS EXCEEDED.
----------------	--

Explanation

The Postprocessor detected more than 253 OVW control statements in the input stream.

System action

In context with the option OVERVIEW(RECORD), only the first 253 OVW statements will be processed , the other OVW statements will be ignored. All statements will be processed for option OVERVIEW(REPORT).

User response

If you want to create overview records for more than 253 conditions, you have to run several steps of the Postprocessor.

ERB286I	III: OPTION <i>option</i> IS IGNORED DUE TO PREVIOUS ERROR.
----------------	--

Explanation

The option *option* has been specified but the associated data gatherer has terminated abnormally before.

System action

Option is ignored.

Operator response

Notify your system programmer.

System programmer response

Examine system log for earlier messages and follow the message instructions.

ERB287I	III: MONITOR III DATA GATHERER <i>module</i> TERMINATED.
----------------	---

Explanation

The Monitor III data gatherer module *module* received a system abend code it could not handle.

System action

The specific gatherer is terminated, and no further data from the interface is collected.

Operator response

Notify your system programmer.

System programmer response

Examine the system code and correct the problem, or contact the IBM Support Center.

ERB288I

**III: MONITOR III DATA GATHERER *module*. INTERFACE *interface*
FAILED. RC = *xx* REASON = *xxx*. [ABEND U1607. DUMP TAKEN.]**

Explanation

The RMF Monitor III data gatherer *module* received a return code from the interface *interface*. The return code and reason code are reported. If a user dump is taken, the message text is extended by **ABEND U1607. DUMP TAKEN.**

System action

No data from the interface is collected during this RMF cycle, mintime, or interval. The RMF data gatherer remains active and at the next cycle, mintime, or interval, the RMF data gatherer module is called again.

Operator response

Contact your system programmer.

System programmer response

Examine the dump, and respond to the return and reason codes.

ERB289I

***sid*: MORE THAN 100 MONITOR III DATA SET NAMES SPECIFIED,
ADDITIONAL DATA SETS IGNORED**

Explanation

There are currently 100 data set names, and you cannot specify any additional data set names.

System action

The system does not process your input and needs the intervention of the operator to intervene. RMF issues the following messages:

- ERB305I - This message lists the current sessions options.
- ERB306D - This message requires that the operator supply new options or enter GO to continue RMF processing.

Operator response

You should take the following actions:

- Examine the options listed in message ERB305I and respond to message ERB306D.

- If possible, delete some data set names using the DEL suboption of the DS/DATASET option.
- You can then begin to add new data set names.

System programmer response

If the error occurred on an EXEC statement or library data source, correct the statement or library member.

ERB290I	<i>sid</i>: DATA SET NAME <i>name</i> {ALREADY KNOWN NOT KNOWN} {DELETE ADD} IGNORED
----------------	---

Explanation

The system issues this message for one of the following conditions:

- You specified the DEL suboption on the DS/DATASET option to delete a data set that does not exist.
- You specified the ADD suboption on the DS/DATASET option to add a data set that already exists.

System action

The system ignores the input for the ADD or DEL suboption, and forces the operator to intervene. RMF then issues the following messages:

- ERB305I - This message lists the current session options.
- ERB306D - This message requires that the operator supply new options or enter GO to continue RMF processing.

Operator response

Examine the options listed in message ERB305I and respond to message ERB306D.

System programmer response

If the error occurred on an EXEC statement or library data source, correct the statement or library member.

ERB291I	<i>sid</i>: DATA SET RECORDING OPTION <i>suboption</i> CANNOT BE MODIFIED. PREVIOUS OPTION OPERATION STILL IN PROCESS
----------------	--

Explanation

DS/DATASET *suboption* may be any one of the following:

- SWITCH
- DEL
- ADD

Message ERB2901I appears when you specify the DS/DATASET option with a *suboption*, while a previous operation for a *suboption* is still in progress.

The system processes each *suboption* in sequential order.

System action

The system ignores the *suboption* input.

Operator response

Wait until the system processes the previous suboption, then take the appropriate action for the suboption you specified.

- SWITCH - The system issues message ERB813I when it completes the switch.

- ADD or DEL - The Monitor III Data Index report contains the actual data set names list; check this list to see if the system issued or deleted the data set names.

ERB292I**III: MONITOR III DATA GATHERER *module name* FAILED. [DUMP
TAKEN.] [MODULE TERMINATED.]**

Explanation

There was an unexpected error in the RMF Monitor III data gatherer *module*. If a dump is taken, the message text is extended by **DUMP TAKEN**. If the mentioned module is terminated, this is indicated by the additional text **MODULE TERMINATED**.

If issued by gatherer GRB3GCRY, then RMFGAT found a situation where gathering of cryptographic hardware information is not possible (for example, no cryptographic hardware is configured, the CHSC call returns with an error or a data block with information on cryptographic hardware older than CEX3 which lacks the info on the length of the data block). The gatherer GRB3GCRY cannot handle this data and terminates.

System action

The failing RMF data gatherer module either remains active or is terminated. A dump is taken only for the first occurrence.

Operator response

Contact your system programmer.

System programmer response

Analyze the dump.

ERB294I***sid*: RMF IS NOT ABLE TO REACT ON DYNAMIC I/O UPDATES.**

Explanation

RMF was not able to activate a listen exit to check for dynamic I/O updates. RMF cannot recognize dynamic I/O environment changes.

System action

RMF activates all requested options, but will not react to any dynamic I/O changes.

ERB296I**III: WLM WORKLOAD ACTIVITY COLLECTION TERMINATED: ABEND
U1609**

Explanation

During WLM workload activity collection, a permanent failure occurred. The collection is terminated.

System action

RMF Monitor III gathering continues without workload activity collection. Data may be incomplete.

ERB297I***sid*: SMF SYNCHRONIZATION INTERFACE IS NOT ACTIVE. INTERNAL
RMF INTERVAL PROCESSING USED.**

Explanation

RMF was started with the **SYNC(SMF)** option, but the SMF synchronization interface was not active.

System action

RMF closes the current interval and switches to an internal timing based on RMF defaults.

Operator response

Contact your system programmer.

System programmer response

Check the SMF synchronization interface and determine why it is not active.

ERB298I	<i>sid</i>: SMF SYNCHRONIZATION INTERFACE IS ACTIVATED. SMF INTERVAL PROCESSING USED.
----------------	--

Explanation

SMF started its global interval processing after a failure occurred while RMF was running with the **SYNC(SMF)** option active.

System action

RMF closes the current interval and switches to SMF synchronization.

Operator response

None.

System programmer response

None.

ERB299I	NO DCB ADDR PASSED TO ERBMFMPR
----------------	---------------------------------------

Explanation

RMF called message processing routine ERBMFMPR to process a message, but did not pass a data control block (DCB) address for the data set for the message.

System action

RMF continues processing. The message being processed is lost unless it also appears on the operator console.

Operator response

Notify the system programmer, supplying the ERB message number immediately preceding ERB299I to help the system programmer determine which module called ERBMFMPR.

System programmer response

Use the ERB message number immediately preceding ERB299I to determine which module called ERBMFMPR.

ERB300I	<i>sid</i>: SYNTAX ERROR IN OR FOLLOWING TEXT BEGINNING <i>text</i> IN <i>source</i> INPUT
----------------	---

Explanation

During the syntax scan of the input options for the Postprocessor or for session *sid*, RMF found one or more errors in or following the text shown in the message. Usually, the last character shown in text is the error. The source of the error is:

Source

Where the error was found

OPERATOR

In an operator command.

PARM

In the PARM field of an EXEC statement in the RMF cataloged procedure.

LIBRARY nn

In library member ERBRMFnn.

REPLY

In the operator reply to message ERB306D.

SYSIN

In an RMF Postprocessor control statement.

System action

RMF parses the rest of the input source, then continues with input from any other sources.

When the error occurs during a session, RMF asks the operator for intervention: RMF issues message ERB305I, listing the current session options, followed by message ERB306D, to which the operator replies by supplying new options or entering GO. RMF continues other processing.

When the error occurs during the Postprocessor session or the Monitor III data reporter, RMF ignores the incorrect option and substitutes the default value, if a default value exists.

Operator response

Examine the options following message ERB305I, and respond to message ERB306D.

System programmer response

If the incorrect option is on the EXEC statement, in the library data source, or on a Postprocessor control statement, correct the statement or library member.

ERB301I

sid: **CONFLICTING OPTIONS - *n***

Explanation

For session *sid*, you specified incorrect values or mutually exclusive options. *n* indicates the type of conflict, as follows:

n

Conflict

1

Both NOREPORT and NORECORD were specified, meaning that RMF could produce no output data.

2

REPORT(DEFER) and NOSTOP were specified, meaning that the SYSOUT spool space could become filled.

3

The STOP value is less than the INTERVAL value, meaning that the session will end before the first measurement interval.

4

Both SYNC(SMF) and INTERVAL were specified, but the two options are mutually exclusive. When the SYNC(SMF) option is specified, the interval length is determined by SMF.

5

Either REPORT or NORECORD was specified but the reporter functionality is not available on the system. RMF can only write output data to records.

System action

RMF modifies the options and continues with input merge and initialization for the session. *n* indicates the modification:

n

Modification

1

RMF changes NOREPORT to REPORT(DEFER).

2

RMF changes NOSTOP to STOP(value) and sets the value equal to the length established for the interval.

3

RMF sets the STOP value equal to the length established for the interval.

4

RMF ignores the INTERVAL option and uses SYNC(SMF).

5

RMF changes REPORT to NOREPORT and NORECORD to RECORD.

In addition, RMF asks the operator for intervention: RMF issues message ERB305I, listing the current session options, followed by message ERB306D, to which the operator replies by supplying new options or entering GO. RMF continues other processing.

Operator response

Examine the options following message ERB305I, and respond to message ERB306D.

System programmer response

Examine the input sources, and correct any errors before the next RMF session.

ERB302I

***sid*: MEMBER ERBRMF*nn* NOT FOUND IN PARM LIBRARY**

Explanation

During input merge for session *sid*, RMF obtained the library member name ERBRMF*nn* from MEMBER(*nn*) in the RMF control input stream or assumed the name as a default. However, RMF could not find ERBRMF*nn* in any of the parameter libraries. See *z/OS Data Gatherer User's Guide* for information on how to specify the RMF parameter library.

System action

RMF ignores the library as an input source and continues the input merge and initialization.

At the end of the input merge, RMF asks the operator for intervention: RMF issues message ERB305I, listing the current session options, followed by message ERB306D, to which the operator replies by supplying new options or entering GO. RMF continues other processing.

Operator response

Examine the options following message ERB305I, and respond to message ERB306D.

System programmer response

Create a member with the name ERBRMF*nn*, if desired.

ERB304I

***sid*: I/O ERROR WHILE PROCESSING RMF LIBRARY DATA SET.**

Explanation

During initialization for session *sid*, an I/O error that could not be corrected, or OPEN error occurred while RMF was reading or searching for the ERBRMFnn member in the parameter libraries. *z/OS Data Gatherer User's Guide* gives guidance on specifying parameter libraries.

The SYNAD text appears in the message only if the error occurred while reading the member.

System action

RMF ignores the library as an input source and continues input merge and initialization.

At the end of the input merge, RMF asks the operator for intervention: RMF issues message ERB305I, listing the current session options, followed by message ERB306D, to which the operator replies by supplying new options or entering GO. RMF continues other processing.

The system sends messages about the job to one of the following:

- The primary console
- The remote console, for a system with remote consoles
- The hardcopy log for a system with multiple console support (MCS)

Operator response

Examine the options following message ERB305I, and respond to message ERB306D.

Contact hardware support.

System programmer response

Check the IEFPARM statement in the RMF procedure, or recreate the library data set before using the library again

ERB305I	<i>sid: PARAMETERS option (value) source . . option (value) source</i>
----------------	--

Explanation

RMF issues this message if a list of options is requested upon completion of input merge or if RMF detects an error during input merge. The options are listed, one per line, in the form:

```
option (value) source
```

The source indicates where the option was specified or what action was taken:

Source

Where the option was specified

COMMAND

On a START or MODIFY command.

DEFAULT

In the program defaults.

EXEC

On the EXEC statement in the RMF cataloged procedure.

MEMBER

In a member of the RMF partitioned data set.

Source

What action was taken

CHANGED

Changed by RMF.

- If the preceding message is ERB803I, the data set recording function of the Monitor III data gatherer ended abnormally. RMF changes the DS/DATASET option to STOP.
- If the preceding message is ERB819I, the data set recording function of the Monitor III data gatherer could not start because no data set names were available. RMF changes the DS/DATASET option to STOP.

IGNORED

Option is ignored.

- If both SYNC(SMF) and INTERVAL options are specified, RMF ignores the INTERVAL option and uses SYNC(SMF).

System action

RMF issues message ERB306D.

Operator response

Examine the list of options and verify the values.

ERB306D	<i>sid</i>: REPLY WITH OPTIONS OR GO
----------------	---

Explanation

RMF issues this message after message ERB305I to let the operator change the options.

System action

RMF waits for the operator to reply. RMF continues processing all other active sessions.

Operator response

To change options, enter

```
REPLY xx, 'option(value),option(value,...'.
```

Otherwise, enter

```
REPLY xx, 'GO'.
```

If you respond with changes, RMF changes the options. RMF issues this message repeatedly, allowing additional changes, until you respond with GO.

If you enter a syntax error, mutually exclusive values, or incorrect values in your reply, RMF issues message ERB300I or ERB301I. If you specify MEMBER(nn), RMF ignores it because the input merge is already complete and a particular library member was already used. If you specify OPTIONS, RMF lists the options after a subsequent reply of GO.

Note: A syntax error, mutually exclusive options, or incorrect values in your reply forces RMF to issue messages ERB305I and ERB306D again.

ERB307I	III: MONITOR III DATA GATHERER <i>module</i>. INTERFACE <i>interface</i> FAILED. RETURN CODE: xx REASON CODE: xxx.
----------------	---

Explanation

The RMF Monitor III data gatherer *module* received a return code from the interface *interface*. The return code and reason code are reported. It is possible that the message text is extended by **ABEND U1607 DUMP TAKEN**.

System action

This specific gatherer is terminated, and no further data from the interface is collected.

■ If issued by module GRB3GINI because the IOSENG service failed, RMFGAT could not get the IOS enqueue in order to serialize initial processing with IOS configuration activity. RMFGAT continues processing but may have to retry initialization several times because of listen exit processing of IOS configuration change events.

Operator response

Contact your system programmer.

System programmer response

Respond to the return and reason codes. If a dump has been taken, please refer to the explanation of user completion code 1607.

ERB308I**ZZ: INTERVAL LENGTH MUST BE A TRUE DIVISOR OF 60**

Explanation

Only the following values for the interval length are allowed: 1,2,3,4,5,6,10,12,15,20,30,60. This restriction guarantees:

- That the SYNC value is met every hour
- That a Postprocessor report involving several systems (such as a SYSPLEX report) can be built at least on an hourly basis.

System action

The interval length is changed to the next valid interval length.

Operator response

None.

System programmer response

Change the interval length to an allowed value. You might also decide to switch to SYNC(SMF) (see *z/OS Data Gatherer User's Guide*) and let the interval length be determined by SMF. This ensures that SMF records written by RMF and by other components are written simultaneously.

ERB309I**sid: ERROR IN WLM INTERFACE. RETURN CODE yy. REASON CODE zz.**

Explanation

An error occurred in the WLM interface. The return and reason code describe the error in more detail. See WLM return codes and reason codes for more information in *z/OS MVS Planning: Workload Management* and *z/OS MVS Programming: Workload Management Services*.

System action

As indicated by the return code and reason code, WLM data may be not available or only partially available. RMF produces reports based on the data it has. The system writes an SVC dump.

System programmer response

Refer to the return and reason codes for more information. You can try to restart RMF.

ERB310I**sid: ERROR DURING COLLECTION OF WLM DATA. RETURN CODE yy.
REASON CODE zz.**

Explanation

An error occurred in the RMF WLM interface services when trying to obtain WLM data.

System action

WLM data may not be available or only partially available.

RMF issues message ERB309I if the reason code is 802, 804, or 805.

System programmer response

Refer to the return and reason codes for more information.

Problem determination

See the return and reason codes below:

RC 8

Error

RS 802

Error in IWMRCOLL service during RCAA data retrieval

RS 804

Error in IWMPQRY service during SVPOL data retrieval

RS 805

Error in IWMRQRY service during RQAA data retrieval

RS 807

Internal RMF error

RS 808

Internal RMF error

RS 809

Internal RMF error

ERB311I

**RMF: CANNOT REACT ON WLM OR SRM CHANGES. INTERVALS MAY
HAVE MISSING WORKLOAD DATA.**

Explanation

One of the following things happened:

1. z/OS Data Gatherer listen exit GRBLXWLM failed (abended). Here the error message is accompanied by a dump caused by module GRBLXWLM.
 2. z/OS Data Gatherer could not establish one of the listen exits 41 during startup. Here the message is preceded by message ERB261I indicating that the WLM ENF listen exit could not be established.
 3. z/OS Data Gatherer could not obtain storage for the common services control block during startup of z/OS Data Gatherer.
- Thus z/OS Data Gatherer cannot immediately react on the following events:
- VARY WLM,POLICY= operator command
 - MODIFY WLM,MODE= operator command

System action

If one of the actions listed above occurred, the workload data for those intervals/mintimes will be lost.

Operator response

Inform the system programmer.

System programmer response

- If the ENF listen exit could not be activated, check the reason (See *z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG* for a description of the return codes from the ENF facility).
- If there is an ABEND, check the dump associated with this message.

ERB312I	PPS: DIFFERENT CYCLE VALUES FOR SDEVICE REPORT DURING date1 time1 INTERVAL.
----------------	--

Explanation

The CYCLE value found in an SMF type 74 subtype 1 record is different from the CYCLE values found in the other SMF type 74 subtype 1 record belonging to this interval.

System action

The report is not created for those time ranges which have different CYCLE values.

User response

Use only those SMF records as input to this Postprocessor report which have the same cycle value. Ensure that the RMF Monitor I runs on all systems with the same SYNCH and CYCLE options.

Problem determination

The Shared Device Activity reports require that the SMF records of all systems used to create this reports run with at least the same CYCLE and SYNCH option.

ERB313I	PPS: SMF RECORDS FROM RMF RELEASES PRIOR TO 5.1 NOT USABLE FOR SDEVICE REPORT
----------------	--

Explanation

The Postprocessor found SMF type 74 subtype 1 records from a release prior to RMF 5.1.

System action

The SMF records having the wrong release level are not used to create the shared device reports. If all records are from a previous release, no shared device reports are created.

User response

Exclude the SMF records from the input data set which are not from RMF.

Problem determination

The Shared Device Activity reports require that the SMF records are created either by the current release RMF or from a later release.

ERB314I	sid: WLM DATA PARTIALLY NOT AVAILABLE
----------------	--

Explanation

RMF was not able to collect (all) WLM data.

System action

No action taken.

System programmer response

When the message occurred in combination with fast changes of the POLICY, this is an expected situation.

Problem determination

RC from WLM data collection service was 8, reason code 806. Valid data could not be obtained, or the token returned by the RMF WLM interface services did not match for one of the following reasons:

1. The POLICY changes were too fast to obtain data.
2. The execution velocity goal defined in the WLM service class for monitors (WLM, RMF) may be too low.

ERB315I

sid: ABEND U1611: Consecutive failure count exceeded limit in GRB3GSCM. Service Policy Gatherer terminated.

Explanation

The RMF Monitor III gatherer tried to obtain the WLM service policy and failed ten times. The service policy gatherer is deactivated. The data gathered in the sets of samples show that WLM data is not available.

System action

A dump is taken. The RMF Monitor III gatherer continues without service policy gathering.

System programmer response

Several ERB309/ERB310 messages preceded this message. Refer to the return and reason codes for more information about this problem.

ERB316I

FILE SYSTEM NAME *hfsname* IS NOT VALID.

Explanation

The file system name which has been specified on the HFSNAME option statement does not adhere to the MVS/TSO rules for data set names.

System action

The incorrect file system name is ignored, and the operator is prompted for intervention. RMF issues the following additional messages:

- ERB305I - This message lists the current session options.
- ERB306D - This message requires that the operator supplies new input or enters 'GO' to continue RMF processing.

Operator response

You should take the following actions:

- Examine the options listed in message ERB305I and respond to message ERB306D.
- Correct the HFS file system name.

System programmer response

If the error occurred on an EXEC statement or library data source, correct the statement or library member.

Explanation

The number of file system names which have been specified on the HFSNAME option statements exceeds the allowed maximum of 25.

System action

The system does not process the input, and the operator is prompted for intervention. RMF issues the following additional messages:

- ERB305I - This message lists the current session options.
- ERB306D - This message requires that the operator supplies new input or enters 'GO' to continue RMF processing.

Operator response

You should take the following actions:

- Examine the options listed in message ERB305I and respond to message ERB306D.
- If possible, delete some of the file system names using the DEL suboption of the HFSNAME option.
- Now, you can begin to add new file system names.

System programmer response

If the error occurred on an EXEC statement or library data source, correct the statement or library member.

Explanation

The system issues the message for one of the following conditions:

- You specified the DEL suboption on the HFSNAME option to delete a file system name that does not exist.
- You specified the ADD suboption on the HFSNAME option to add a file system name that already exists.

System action

The system ignores the input for the ADD or DEL suboption, and the operator is prompted for intervention. RMF issues the following additional messages:

- ERB305I - This message lists the current session options.
- ERB306D - This message requires that the operator supplies new input or enters 'GO' to continue RMF processing.

Operator response

Examine the options listed in message ERB305I and respond to message ERB306D.

System programmer response

If the error occurred on an EXEC statement or library data source, correct the statement or library member.

Explanation

The number of data set masks which have been specified on VSAMRLS option statements exceeds the allowed maximum of 50.

System action

RMF will process the first 50 data set masks only. In addition, it issues the messages ERB305I and ERB306D.

Operator response

You should take the following actions:

- Examine the options listed in message ERB305I and respond to message ERB306D.
- If possible, delete some of the file system names using the DEL suboption of the VSAMRLS option.
- Then, you can begin to add new data set masks.

System programmer response

If the error occurred on an EXEC statement or library data source, correct the statement or library member.

ERB320I	III: DATA SET MASK <i>mask</i> {ALREADY IN TABLE NOT IN TABLE}, VSAMRLS {ADD DELETE} IGNORED.
----------------	--

Explanation

RMF issues the message for one of the following conditions:

- You have specified the suboption DEL on the option VSAMRLS to delete a data set mask that does not exist.
- You have specified the suboption ADD to add a data set mask that already exists.

System action

The system ignores the input for the suboption. In addition, it issues the messages ERB305I and ERB306D.

Operator response

Examine the options listed in message ERB305I and respond to message ERB306D.

System programmer response

If the error occurred on an EXEC statement or library data source, correct the statement or library member.

ERB321I	III: BUFFER ALLOCATION FAILED FOR MONITOR III GATHERER, PERFORMANCE OF REPORTER MAY BE IMPACTED.
----------------	---

Explanation

The Monitor III data gatherer could not allocate a sufficient number of buffers to keep the set of samples of the current Mintime in uncompressed format.

System action

RMF continues and compresses the set of samples on each data request. This may impact later on the performance of the reporter.

Operator response

Notify your system programmer.

System programmer response

Increase the region size of the Monitor III data gatherer.

ERB322I**III: SMSVSAM SERVER IS NOT CURRENTLY AVAILABLE.**

Explanation

The SMSVSAM server is not available because of the following reasons:

- The SMSVSAM server has failed and is restarting.
- The SMSVSAM server has permanently failed and is waiting for operator restart.
- The SMSVSAM server is not initialized on the system (RLSINIT(NO) in SMS Parmlib definition, or system is IPLed in local mode).

System action

No VSAM RLS activity data is currently gathered. As soon as the SMSVSAM server becomes available, VSAM RLS activity data will be gathered.

Operator response

Start or restart the SMSVSAM server.

ERB324I**III: VSAMRLS DATA SET MASK *mask* IS NOT VALID. REASON CODE: *rsn***

Explanation

The IGWCDATA interface has found that the specified mask is incorrect.

System action

The mask is ignored. Processing continues.

Operator response

Notify your system programmer.

System programmer response

- The reason code is given by the IGWCDATA interface, you can find the explanation in *z/OS DFSMSdfp Diagnosis*. Probably, the high-level qualifier is missing.
- If the error occurred on an EXEC statement or library data source, correct the statement or library member.

ERB325I**OLD WKLD GATHERER SUBOPTIONS '*(subop)*' IGNORED IN *source* INPUT..**

Explanation

As of z/OS Release 1 Version 5, the WKLD gatherer option does no longer support the specification of suboptions. If any suboption is found as part of the input, it is ignored.

(*subop*)

shows the suboption(s) which have been ignored

source

indicates in which source input the suboption(s) have been encountered. Source may have one of the following values:

OPERATOR
PARM
LIBRARY nn
REPLY
SYSIN

System action

The specified suboption(s) are ignored.

System programmer response

If the error occurred on an EXEC statement or library member source, you may want to correct the WKLD option statement to avoid this message in the future.

ERB326I	STORAGE GROUP NAME <i>sgname</i> IS NOT VALID.
----------------	---

Explanation

The storage group name which has been specified on the SGNAME option statement does not adhere to the MVS/TSO rules for storage group names.

System action

The invalid storage group name is ignored, and the operator is prompted for intervention. RMF issues the following additional messages:

- ERB305I - This message lists the current session options.
- ERB306D - This message requires that the operator supplies new input or enters 'GO' to continue RMF processing.

Operator response

You should take the following actions:

- Examine the options listed in message ERB305I and respond to message ERB306D.
- Correct the storage group name *sgname*.

System programmer response

If the error occurred on an EXEC statement or library data source, correct the statement or library member.

ERB327I	MORE THAN 25 STORAGE GROUP NAMES SPECIFIED, ADDITIONAL STORAGE GROUP NAMES IGNORED.
----------------	--

Explanation

The number of storage group names specified on SGNAME option statements exceeds the allowed maximum of 25.

System action

The system does not process the input and needs operator intervention. RMF issues the following additional messages:

- ERB305I - This message lists the current session options.
- ERB306D - This message requires that the operator supplies new input or enters 'GO' to continue RMF processing.

Operator response

You should take the following actions:

- Examine the options listed in message ERB305I and respond to message ERB306D.
- If possible, delete some of the storage group names using the DEL suboption of the SGNAME option.
- Now you can add new storage group names.

System programmer response

If the error occurred on an EXEC statement or library data source, correct the statement or library member.

ERB328I	STORAGE GROUP NAME <i>sgname</i> {ALREADY IN TABLE NOT IN TABLE}, {ADD DELETE} ignored.
----------------	--

Explanation

The system issues the message for one of the following conditions:

- You specified the DEL suboption on the SGNAME option to delete a storage group name that does not exist.
- You specified the ADD suboption on the SGNAME option to add a storage group name that already exists.

System action

The system ignores the input for the ADD or DEL suboption and asks the operator for intervention. RMF issues the following additional messages:

- ERB305I - This message lists the current session options.
- ERB306D - This message requires that the operator supplies new input or enters 'GO' to continue RMF processing.

Operator response

Examine the options listed in message ERB305I and respond to message ERB306D.

System programmer response

If the error occurred on an EXEC statement or library data source, correct the statement or library member.

ERB330I	III: SMSVSAM SERVER WAS REINITIALIZED.
----------------	---

Explanation:

The SMSVSAM server was reinitialized.

System action:

For this mintime, no VSAM RLS activity data is gathered. The connection to the server is reestablished and gathering of VSAM RLS activity is resumed.

ERB400I	<i>sid</i>: I/O ERROR ON RMF WRITE. THE SYNAD TEXT FOLLOWS. <i>text</i>
----------------	--

Explanation

During session *sid*, an I/O error that could not be corrected occurred while RMF was writing a record to a report SYSOUT data set.

System action

RMF stops writing records to the data set, closes that data set, opens a new one, and retries writing the record. If this retry is successful, RMF continues with no data loss. If unsuccessful, RMF continues processing but does not complete the reports for this interval.

Operator response

Contact hardware support.

ERB401I

***sid: RMF REPORT SUBTASK FOR INTERVAL BEGINNING hh.mm.ss
REINSTATED {Ucde|Scde}***

Explanation

During the RMF Postprocessor session or session *sid*, RMF detected an error while formatting and writing a report to a SYSOUT data set. *hh.mm.ss* is the beginning of the report interval, *Ucde* is the user completion code, and *Scde* is the system completion code.

RMF issues this message each time a specific interval or duration report is ended because of an error.

System action

When the message occurs during a session, RMF assumes that the data being processed is intact. RMF reinitializes the report subtask, closes the old data set, opens a new data set, and writes the report to the new SYSOUT data set. If the problem occurs a second time, RMF ends the report subtask.

When the message occurs during the Postprocessor session, RMF ends the report being processed. If other reports were requested, the Postprocessor continues with them.

System programmer response

Message ERB401I may also be issued, if the RMF Postprocessor processes SMF records with an RMF measurement interval less than 5 seconds. In that case, measurement data may be missing in the SMF record so that the report cannot be created. Since the RMF Postprocessor skips the problem interval and continues with the next reporting interval, no further action is necessary. In all other cases examine the dump and respond to the original completion code.

ERB402I

***sid: RMF REPORT SUBTASK FOR INTERVAL BEGINNING hh.mm.ss
ABENDED {Ucde|Scde}***

Explanation

During the Postprocessor session or session *sid*, an RMF report subtask abnormally ended with either a user completion code *Ucde* or a system completion code *Scde*. The subtask had been formatting data and writing records to a SYSOUT data set. *hh.mm.ss* is the beginning of the report interval.

System action

If the subtask ended during a display session, RMF continues the session but does not complete the hardcopy reports. For a background session, if the RECORD option is in effect, RMF writes the SMF records containing the data collected for this interval.

If the subtask ended during the Postprocessor session, RMF stops generating and writing all requested interval or duration reports. If a summary report is requested, the Postprocessor continues with this one.

System programmer response

Respond to the completion code.

ERB403I

sid: I/O ERROR ON HARDCOPY DATASET - SYNAD TEXT FOLLOWS. text

Explanation

During a display or background session *sid*, an uncorrectable I/O error occurred while RMF was writing to the SYSOUT data set. For a display session, the error occurred because of a print (P) command or because the hardcopy mode was set on (H ON).

The SYNAD text appears in the message.

System action

For a display session, RMF continues the session but produces no hardcopy output. For a background session, if the RECORD option is in effect, RMF continues measurement but produces no printed reports. If the RECORD option is not in effect for a background session, RMF ends the specific measurement but continues the session.

Operator response

For a display session, data continues to be shown on the display screen; do not issue the print command or turn on hardcopy mode.

In order for a background session to continue to measure data, make sure the RECORD option is in effect.

ERB404I	<i>sid</i>: HARDCOPY FUNCTION CANNOT BE USED. USE THE RECALL FUNCTION TO VIEW THE DATA GATHERED
----------------	--

Explanation

RMF issues this message after message ERB403I for display session *sid*. RMF cannot print your data because of the failing hardcopy data set.

Operator response

Use the recall function, Rmm, where mm is the menu item. Specify the operands originally specified for the report again. RMF will display the data on the screen.

ERB405I	<i>sid</i>: NO DATA WAS FOUND TO FIT YOUR SELECTION CRITERIA
----------------	---

Explanation

During Monitor II session *sid*, the data gatherer or data reporter routine passed return code 16 to RMF to indicate that the routine produced no data. For an IBM-supplied report, this message means that RMF found no address spaces to meet the selection criteria in the request for the report. For example, if you enter

```
ARDJ jobname
```

and the named job has not yet started or has already ended, RMF issues this message.

System action

RMF continues the session. For a display session, RMF waits for the next display command. For a background session, RMF continues measurement but produces no printed reports for this interval.

Operator response

Specify the command again, or change the options to select different criteria.

ERB406I	<i>sid</i>: ESTAE COULD NOT BE ESTABLISHED BY <i>module</i>
----------------	--

Explanation

During the RMF Postprocessor session or Monitor II or Monitor III session *sid*, the data gatherer or data reporter module named in the message passed return code 20 to RMF, indicating that the ESTAE macro failed.

System action

For a display session, RMF stops writing the current report but continues the session; RMF waits for the next command.

For a background session, RMF stops the current measurement but continues with other measurements.

If the error occurred during the RMF Postprocessor session, RMF stops printing the Monitor II session report that was in process. If other reports were requested, the Postprocessor continues with them.

If the error occurred during the Monitor III data reporter session, RMF ends session *sid* but continues processing all other active sessions.

Operator response

For a display session, enter a request for another report. For a background session or the Postprocessor, notify the system programmer.

ERB407I

***sid: INVALID SYNTAX IN MENU DEFAULT OPERANDS - operands -
DURING THIS SESSION DO NOT DEFAULT OPERANDS FOR PICTURE
mm***

Explanation

During the RMF Postprocessor session or Monitor II session *sid*, a data gatherer or data reporter routine tried to use the default operands for the menu or option list but found that the operand(s) named in the message were not valid for report *mm*.

System action

For a display session, RMF stops writing report *mm* but continues the session; RMF waits for the next command.

For a background session, if the RECORD option is in effect and the failure occurred in the data reporter, RMF continues measurement but produces no printed reports. If the RECORD option is not in effect or the failure occurred in the data gatherer, RMF ends the specific measurement but continues the session.

If the error occurred during the RMF Postprocessor session, RMF stops printing the Monitor II session report that was in process. If other reports were requested, the Postprocessor continues with them.

Operator response

For a display session, reissue the command, explicitly specifying all operands.

For a background session, modify the options to specify explicitly all operands required for the measurement.

System programmer response

Correct the menu table entry that contains the incorrect operands.

ERB408I

sid: RETURN CODE rc FROM module

Explanation

During the RMF Postprocessor session or during Monitor II session *sid*, the data gatherer or data reporter module named in the message passed return code *rc* to RMF. The return code is greater than expected.

The meanings of the possible return codes are explained in Monitor II messages, as follows:

Return Code

Monitor II Message

0196

ERBA078

0200

ERBA079

1200

ERBA075

1201
ERBA076

1230
ERBA070

System action

For a display session, RMF stops writing the current report but continues the session; RMF waits for the next display command.

For a background session, if the RECORD option is in effect and the failure occurred in the data reporter, RMF continues measurement but produces no printed reports. If the RECORD option is not in effect or the failure occurred in the data gatherer, RMF ends the specific measurement but continues the session.

If the error occurred during the RMF Postprocessor session, RMF stops printing the Monitor II session report that was in process. If other reports were requested, the Postprocessor continues with them.

Operator response

For a display session, enter a request for another report.

For a background session, continue the session with other measurements.

Contact your system programmer.

System programmer response

Determine if an installation-supplied module caused the error, or if an IBM-supplied module caused the error.

ERB409I *sid: INVALID OPERAND SYNTAX operands*

Explanation

During the Postprocessor session or Monitor II background session *sid*, RMF found incorrect syntax in the option operand(s) named in the message. RMF may have detected the error during the data gathering or the data reporting phase of a measurement.

System action

For a background session, if the RECORD option is in effect and the failure occurred in the data reporter, RMF continues measurement but produces no printed reports. Or, if the RECORD option is not in effect or the failure occurred in the data gatherer, RMF ends the specific measurement but continues the session.

If the error occurred during the Postprocessor session, RMF stops printing the Monitor II session report that was in process. If other reports were requested, the Postprocessor continues with them.

Operator response

Correct the incorrect session options.

System programmer response

If the error occurred during the Postprocessor session, correct the incorrect control statement before using the Postprocessor again.

ERB410I *sid: report TERMINATED ABNORMALLY cde - SESSION sid, SYSTEM sss*

Explanation

While the RMF Postprocessor was producing the Monitor II report named in the message for session *sid* on system *sss*, the system abnormally ended the Postprocessor with system completion code *cde*.

System action

The system produces a dump. If other reports were requested, the Postprocessor continues with them.

System programmer response

Examine the dump, and respond to the completion code.

ERB411I	INCOMPLETE DATA - MAXRBS VALUE IN MENU ENTRY HAS BEEN EXCEEDED
----------------	---

Explanation

The limited region size prevented the allocation of more storage to increase the number of relocate blocks MAXRBS.

System action

RMF continues the session. For a display session, RMF produces a report then waits for the next display command. For a background session, RMF produces a report for all measurements taken within the interval; RMF continues all measurements.

System programmer response

Increase the region size to provide enough storage.

ERB412I	DATA UNAVAILABLE - MONITOR I REPORT NOT ACTIVE
----------------	---

Explanation

For a Monitor II report, RMF could not obtain required data because the corresponding Monitor I option is not active.

System action

RMF continues the session. For a display session, RMF waits for the next display command. For a background session, RMF continues measurement but produces no SMF record.

System programmer response

Request a DEV, PGSP, or IOQUEUE report only when a Monitor I session is active with the corresponding option: DEVICE, PAGESP, or IOQ, respectively.

ERB413I	DATA REINITIALIZED - MONITOR I INTERVAL ENDED
----------------	--

Explanation

For a Monitor II report, RMF found that any data reported would be misleading because the source data in the Monitor I measurement had been reinitialized since the previous request for the report.

System action

RMF continues the session. For a display session, RMF waits for the next display command. For a background session, RMF continues measurement but produces no report for the interval.

System programmer response

Request the report again.

ERB425I	III: UNABLE TO GATHER RESOURCE <i>resource</i>
----------------	---

Explanation

For an RMF Monitor III session, the resource in the message is not active. This resource is HSM, JES2, JES3, or the second parameter in your RESOURCE option, or the resource CRYPTO.

System action

RMF continues the session.

If issued for resource CRYPTO, the message reports that the CRYPTO interface is not available. RMF continues, but terminates Monitor III CRYPTO gathering.

Operator response

If the resource is HSM, the HSM subsystem is not active. Data cannot be collected for HSM until it is activated.

If the resource is anything else, compare it to the primary JES and correct your RESOURCE option.

System programmer response

For CRYPTO interface errors, search the problem reporting data bases for a RMF fix providing support for additional cryptographic devices, or report the problem to the IBM Support Center.

ERB426I**III: TOO MANY PARAMETERS ENTERED IN *source* INPUT**

Explanation

For RMF Monitor III, the RESOURCE option contained too many parameters. The source of the option is:

Source

Where the option was found

OPERATOR

In an operator command.

PARM

In the PARM field of an EXEC statement in the RMF cataloged procedure.

LIBRARY nn

In library member ERBRMFnn.

REPLY

In the operator reply to message ERB306D.

SYSIN

In an RMF Postprocessor control statement.

System action

RMF uses the first two parameters and ignores the rest.

RMF asks the operator for intervention: RMF issues message ERB305I, listing the current session options, followed by message ERB306D, to which the operator replies by supplying new options or entering G0. RMF continues other processing.

Operator response

Examine the options following message ERB305I, and respond to message ERB306D.

ERB427I***sid*: INVALID {MONITOR|MEMBER} ID *nnnn*, COMMAND REJECTED**

Explanation

For RMF session *sid*, you issued a command with incorrect monitor or member ID *nnnn*. Valid monitor IDs are:

For Monitor III:

MIII M3

For Monitor II:

MII M2

A valid member ID, which applies only for Monitor III, is any two-character alphanumeric string.

System action

No action taken.

Operator response

Issue the command with the correct ID.

ERB428E**ZZ: *jobname* NOT FOUND BY RMF VIRTUAL STORAGE REPORT.**

Explanation

For an RMF Monitor I session, you requested that the Monitor I virtual storage activity report include the job named in the message. This job is not currently active.

System action

RMF gathers virtual storage data for common storage and for any requested jobs that are active. At the start of each RMF Monitor I interval, RMF searches for the named job and, if found, deletes this message and starts gathering data for it.

Operator response

Make sure you entered the job name correctly. If not, issue a MODIFY command and correctly specify the job in the VSTOR option.

If the job was named correctly but has not yet started, ignore the message. RMF will begin monitoring the job automatically when the next interval begins after the job starts; RMF will delete this message at that time.

ERB429I**ZZ: STORAGE GROUP DATA NOT AVAILABLE.**

Explanation

This message appears at RMF initialization time if the subsystem interface (SSI) is not installed or not active. The storage group (SG) names are not reported; neither are the devices selected by the SG option.

System action

None.

System programmer response

Ask the operator to start the storage management subsystem (SMS), if it has been installed.

ERB430I**ZZ: MONITOR I DATA GATHERER *module*. *interface* INTERFACE FAILED.
RETURN CODE: *rc* REASON CODE: *rsn*. *explanation*.**

Explanation

The RMF Monitor I data gatherer module received a return code from the interface *interface*. The return code and reason code are reported. Additional error information is given by the *explanation*.

System action

- If issued by module GRBMFSMS, the message reports that the SMS interface has failed. RMF continues, but storage group information cannot be updated.
- If issued by module GRBCNFSR, RMF could not get the IOS enqueue in order to serialize initial processing with IOS configuration activity. RMF continues processing but may have to retry initialization several times because of listen exit processing of IOS configuration change events.
- If issued by module GRBMFICY or GRBMFDCY, the message reports that the CRYPTO interface has failed. RMF continues, but does no longer collect information about cryptographic devices in SMF 70-2 records.
- If issued by module GRBMFIZS or GRBMFDTS, the message reports that the HISMT interface has failed. RMF continues, but the multithreading related information provided in SMF 70, 71, and 72 records can be inconsistent.

System programmer response

For SMS interface errors, please refer to the *DFSMS/dfp Diagnose Reference* for a description of the return and reason codes. SMS subsystem interface reason code 5009 indicates that the interface was not able to allocate storage in the RMF address space. In this case the RMF region size should be increased.

For CRYPTO interface errors, please search the problem reporting data bases for a RMF fix providing support for additional cryptographic devices or report the problem to the IBM Support Center.

For HISMT interface errors, please report the problem to the IBM Support Center.

ERB431I *sid: STATIC AREA CHANGED, date1 time1 INTERVAL. n type RECORDS SKIPPED STARTING date2 time2*

Explanation

While processing a virtual storage duration report during session *sid*, the RMF Postprocessor found a change in the static area for the session that produced the input records.

The fields in the message text are:

date1 time1

The date and starting time of the duration interval during which the static area changed.

n

The number of RMF intervals skipped because of the static area change.

date2 time2

The date and starting time of the first RMF measurement interval that was skipped.

Note: RMF takes *date1* and *time1* from the first input record for the duration interval during which the static area changed. Therefore, *date1* and *time1* may be later than the start date and time specified on the Postprocessor control statements.

System action

The Postprocessor continues processing duration reports but ignores all data in system management facility (SMF) records with different static area values.

System programmer response

None.

ERB432I *sid: UNABLE TO UNALLOCATE SYS1.PARMLIB. RETURN CODE rc, ERROR CODE eeee, INFORMATION CODE iiiii*

Explanation

During session *sid*, RMF failed to unallocate SYS1.PARMLIB after options processing.

System action

RMF continues the session, but continues to hold SYS1.PARMLIB as a shared data set.

Operator response

Continue the session, or end it and correct the situation described by the return, error, and information codes. See *z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG* for further information.

ERB433I	<i>sid</i>: TOO MANY PRIVATE AREAS FOR COMPLETE VSTOR DURATION RECORD PROCESSING. LAST PRIVATE AREA PROCESSED IS: <i>jobname</i>.
----------------	--

Explanation

During session *sid*, the RMF Postprocessor was processing a virtual storage duration report that requested all or part of the private area jobs within the specified duration interval. During this processing, the maximum duration record size of 64K was exceeded when the Postprocessor attempted to add a new private area and its associated subpools.

In the message text, *jobname* is the job name for the last private area successfully added to the end of the duration record.

System action

The Postprocessor continues processing the virtual storage duration report but ignores all new private area jobs and their associated subpools.

System programmer response

Specify a shorter duration interval or request a smaller number of jobs.

ERB434I	<i>sid</i>: REPORT OPTION NOT APPLICABLE IN GOAL MODE
----------------	--

Explanation

Either a DDMN, a TRX command, or the suboption DOMAIN in combination with the ARD, ASD, or ASRM command, was issued.

The Domain Activity report, the Transaction Activity report, and the DOMAIN suboptions are no longer applicable.

System action

No action taken.

ERB437I	<i>sid</i>: SEVERE ERROR RECOGNIZED BY RECOVERY MODULE <i>module</i>. ENQUEUE CONTENTION DATA COLLECTION {REINSTATED TERMINATED}.
----------------	--

Explanation

- The recovery routines of z/OS Data Gatherer modules GRBMFCLS or GRBMFEAG encountered an abnormal condition because of the following reasons:
- • z/OS Data Gatherer tried to recover and attempted an internal restart of contention data collection
- • z/OS Data Gatherer terminated contention data collection after the retry limit was reached

System action

- z/OS Data Gatherer continues the session.

Operator response

- If contention data collection terminated, you need to stop and start z/OS Data Gatherer if you want to have contention data.

System programmer response

- Collect the diagnostics data for events preceding this message like dumps, SYS1.LOGREC data and console messages. Errors recognized by the recovery routine of module GRBMFCLS may be accompanied by GRS messages (for example, ISG344I) providing more details on the problem.
- Exceptions recognized by module GRBMFEAG are probably caused by a massive amount of GRS event notification facility records exceeding the capability of the z/OS Data Gatherer listen exit module. In this case a user abend dump would have been produced prior to the first occurrence of this message. A too low dispatching priority defined for the z/OS Data Gatherer address space may be the reason for the insufficient capability of the z/OS Data Gatherer listen exit.

ERB438I

ZZ: TOO MANY DEVICES FOR SMF RECORD 74, SUBTYPE 1.

Explanation

RMF issues this message when there are more than 65535 devices in a device class that are eligible to be written to a SMF record.

System action

RMF writes 65535 SMF device data sections.

Operator response

If you want to ensure that specific devices are included in the SMF record, you can specify their device numbers in the Device data gatherer option NMBR. The DEVICE(NMBR)) option is described in *z/OS Data Gatherer User's Guide*.

ERB439I

INCOMPLETE DATA. DATA OF TOO MANY DEVICES REQUESTED.

Explanation

The RMF data gatherer can not process data for more than 65535 devices.

System action

RMF continues the session. For a display session, RMF produces a report then waits for the next display command. For a background session, RMF produces a report for all measurements taken within the interval. RMF continues all measurements.

User response

Specify a device number range which does not encompass more than 65535 devices, for example, 00000:0FFFF.

ERB450I

RMF: SMF DATA BUFFER INITIALIZED

Explanation

The SMF Data Buffer of the RMF Sysplex Data Server has been initialized. SMF data of the requested record types will be stored in the data buffer.

System action

Data buffer processing continues.

ERB451I**RMF: SMF DATA BUFFER TERMINATED**

Explanation

The SMF Data Buffer of the RMF Sysplex Data Server has been terminated. SMF data will no longer be stored in the data buffer. The data stored in the data buffer is no longer available.

System action

Data buffer processing ends.

ERB452I**RMF: SMF DATA BUFFER REINITIALIZED**

Explanation

The SMF data buffer of the RMF Sysplex Data Server has been reinitialized after an error condition was detected and resolved. Data stored in the data buffer up to the reinitialization of the data buffer is lost.

System action

Data buffer processing continues.

ERB453I**RMF: SMF DATA BUFFER TERMINATED AFTER UNRECOVERABLE
ERROR(S)**

Explanation

The SMF data buffer of the RMF Sysplex Data Server has been ended after an unrecoverable error condition was detected and resolved. Data stored in the data buffer up to this event is lost.

System action

Data buffer processing ends.

Operator response

Restart the data buffer.

ERB454I**RMF: SMF DATA BUFFER SPACE MODIFICATION STARTED**

Explanation

You issued a MODIFY RMF command with the data buffer option in order to reduce the size of the data buffer. The modification of the size of the data buffer becomes effective after the next wrap-around of the buffer.

System action

Data buffer processing continues. The data buffer size reduction is initiated.

ERB455I**RMF: SMF DATA BUFFER SPACE MODIFICATION COMPLETED or RMF:
SMF DATA BUFFER RECTYPE MODIFICATION COMPLETED**

Explanation

You issued a MODIFY RMF command with the data buffer option in order to change the size of the data buffer or the set of SMF record types of the data to be stored in the buffer. The modification of the size of the data buffer has been completed.

System action

Data buffer processing continues.

ERB456I	RMF: SMF DATA BUFFER SPACE MODIFICATION IN PROGRESS, SPECIFY FORCE
----------------	---

Explanation

You issued a MODIFY RMF command with the data buffer option in order to change the size of the data buffer. However, no MODIFY command can be processed until another modification that is currently in progress has been completed. The user may override this situation by specifying FORCE on the SPACE subparameter of the data buffer option.

System action

RMF does not process the SPACE subparameter of the MODIFY command. Data buffer processing continues.

Operator response

If you want the MODIFY command parameters to become effective, reissue the command and specify FORCE on the SPACE subparameter. However, be aware that the specification of the 'FORCE' subparameter may cause loss of SMF data stored in the buffer. This has no impact on SMF data stored in SMF data sets.

ERB457I	RMF: SMF DATA BUFFER OPTIONS RMF: SPACE(size) [-- TARGET SIZE] RMF: RECTYPE(rty_sty_list)
----------------	--

Explanation

A MODIFY RMF command was issued with the data buffer option in order to change the size of the data buffer or the set of SMF record types of the data to be stored in the buffer. However, either no subparameters have been provided with the data buffer option or one of the subparameters had to be changed: either the SPACE subparameter had to be changed by RMF in order to ensure that the data buffer size is a multiple of 4096 and between the defined limits. If a data buffer size modification is currently in progress, the target size (the effective buffer size) will be displayed with the indication " -- TARGET SIZE".

System action

RMF displays the options currently in effect. Data buffer processing continues.

ERB458I	RMF: SMF DATA BUFFER OPTION ERROR: UNEXPECTED INPUT CHARACTER(S) "x" IN RMF:"data_buffer_option_as_entered" RMF:>>>>>>>>
----------------	--

Explanation

A START RMF or a MODIFY RMF command was issued with the data buffer option and a syntax error was recognized in the data buffer option. The second line of the message repeats the incorrect input, and an arrow in the third line points to the substring that could not be interpreted.

System action

RMF rejects the data buffer option of the START command or the entire MODIFY command. If the incorrect data buffer option was issued on the START command together with Monitor I data gatherer options, it is also passed to Monitor I option processing, which causes this option to be skipped (as an incorrect Monitor I data gatherer option). The data buffer processing continues without any change of its parameters.

Operator response

Reissue the command with the correct syntax. See *z/OS Data Gatherer User's Guide* for the correct syntax.

ERB459I**RMF: SMF DATA BUFFER INACTIVE**

Explanation

A MODIFY RMF command was issued with the data buffer option, but without the SPACE suboption, and the data buffer does not currently exist.

System action

No action taken.

Operator response

Reissue the command with the SPACE subparameter in order to create a new data buffer.

ERB460I**RMF: SYSPLEX DATA SERVER REINSTATED AFTER SEVERE ERROR**

Explanation

A severe error occurred in the RMF Sysplex Data Server. However, RMF tried to resume RMF Sysplex Data Server processing. A dump was taken.

System action

RMF Sysplex Data Server processing continues.

Operator response

Notify system programmer in order to examine the dump.

System programmer response

Examine the dump.

ERB461I**RMF: SYSPLEX DATA SERVER TERMINATED AFTER UNRECOVERABLE
ERROR(S)**

Explanation

One or more irrecoverable errors occurred in the RMF Sysplex Data Server that did not allow the data server processing to continue. A dump was taken.

System action

RMF Sysplex Data Server processing ended.

Operator response

Restart RMF. Notify system programmer in order to examine the dump.

System programmer response

Examine the dump.

ERB462I**RMF: SYSPLEX DATA SERVER INACTIVE**

Explanation

A MODIFY RMF command was issued with the data buffer option. However, the data server is inactive and the command can not be processed.

System action

No action taken.

Operator response

Restart RMF.

ERB463I**RMF: SYSPLEX DATA SERVER TERMINATED AFTER IXCJOIN RETURN
CODE *rc*, REASON CODE *rs***

Explanation

This situation may be the result of an improper definition of the XCF couple data set. For example, IXCJOIN return/reason code 12/4 indicates that the maximum number of XCF groups has been reached and RMF is not able to create the SYSRMF XCF group, and IXCJOIN return/reason code 12/8 indicates that the maximum number of XCF members in an XCF group has been reached and RMF is not able to join this XCF group.

System action

RMF Sysplex Data Server terminates processing. The RMF Data Buffer for SMF data, the RMF Sysplex Data Services for SMF or RMF data, and RMF cross-system and multi-system reporting for the sysplex become unavailable.

Operator response

Notify system programmer.

ERB463I**RMF: SYSPLEX DATA SERVER MESSAGE(S) LOST: IXCMSGO RETURN
CODE *rc*, REASON CODE *rs***

Explanation

During the processing of a request from an RMF callable service that was invoked by an application program, the Postprocessor, the Monitor III, or the RMF Sysplex Data Server was not able to communicate with another system due to the mentioned return and reason code from the cross-system coupling facility (XCF) message out service. RMF retried to send the message several times, but failed. The following return and reason codes from XCF cause this message to be issued:

RC/RS

Description

12/4

The signalling facility is busy; message buffers are temporarily unavailable.

12/8

All signalling paths to the target member's system are temporarily unavailable.



Attention: Both situations may be the result of an improper definition of the XCF system parameters in the active Parmlib member, COUPLExx. To avoid these error messages, ensure that you have defined an XCF Transport Class with a MAXMSG value of at least 4096.

System action

RMF continues processing. Application programs might experience significant delays and do not receive all the data requested with the RMF callable services due to timeout situations.

Operator response

Notify system programmer.

ERB464I	ZZ: CACHE DATA COLLECTION FOR <i>cu_type</i> FAILED. RC = <i>rc</i>[, failing device = <i>syyyy</i>]
----------------	---

Explanation

An attempt by RMF to obtain device counters for *cu_type* failed. The reason for the failure is indicated by the return code as described below.

In case of a nonzero return code, the message text is extended by failing device = *syyyy*. The first digit *s* represents the ID of the subchannel set to which the I/O device is physically configured.

System action

RMF writes an SMF type 74-5 problem record with status code R745CSC=08, and a return code in R745CRTN. Processing continues for the next control unit type.

System programmer response

Action depends on the reason for the failure, which is indicated by the return code as follows:

04

GETMAIN failed for a caching subsystem during an attempt to obtain storage for device counters.
Increase the REGION parameter in the RMF procedure and restart RMF.

08

An I/O error occurred in a caching subsystem during an attempt to obtain device counters. If the failure is intermittent, it may result from a RESERVE having been issued against a 3390 device.

Use the device number to locate the failing control unit.

If the message is issued in consecutive intervals, and no RESERVE is active, search the problem-reporting data bases for a fix. If there is no fix, save the SMF74-5 records and the system log. Report the problem to the IBM Support Center.

20

The request to obtain device counters failed with an AOM return code 4 and reason code 20. AOM could not access the RMF internal output buffer to store the device counters. Search the problem-reporting data bases for a fix. If there is no fix, save the SMF74-5 records and the system log. Report the problem to the IBM Support Center.

36

At least one storage director had no path available when RMF attempted to obtain device counters.

Ensure that there is a path to each storage director or each caching subsystem from the system on which RMF is running.

40

A caching subsystem had no path available to it when RMF attempted to obtain device counters.

Ensure that there is a path to each storage director or each caching subsystem from the system on which RMF is running.

56

RMF received a bad return code from AOM when attempting to obtain device counters and the AOM reason code returned is other than 04, 16 or 20. This error may result from an online device with no operational

path that RMF uses to retrieve the device counters. Please ensure that there is at least one operational path to the devices of the cache subsystems from the system on which RMF is running.

Search the problem-reporting data bases for a fix. If there is no fix, save the SMF74-5 records and the system log. Report the problem to the IBM Support Center.

60

An I/O error occurred in a caching subsystem during an attempt to obtain device counters. The attempt to obtain the device counters was terminated by a timeout condition.

Use the device number to locate the failing control unit.

Search the problem-reporting data bases for a fix. If there is no fix, save the SMF74-5 records and the system log. Report the problem to the IBM Support Center.

ERB465I

ZZ: CACHE DATA COLLECTION FAILED.

Explanation

The cache data collection subtask did not finish processing during an RMF measurement interval. When this hung situation was resolved during the next interval, the cache data in the written record represented the data for both RMF intervals.

System action

RMF continues processing with the next interval.

System programmer response

Response depends on the length of the RMF interval in question:

- If the message is issued for an interval that was cut short by a STOP or MODIFY command, the cache data collector cannot finish processing, and no data is collected for the interval. Ignore the message.
- If the message is issued for an interval that was not cut short by a STOP or MODIFY command, increase the RMF measurement interval to 15 minutes or more.
- If the message is issued for intervals of 15 minutes or longer, the cause may be a hardware condition, such as "Intervention Required". Resolve the hardware condition.

ERB466I

PPS: FOR DURATION PROCESSING, ENQ, TRACE, AND/OR SDELAY OPTIONS ARE IGNORED.

Explanation

One or more of the ENQ, TRACE, or SDELAY REPORTS options have been specified together with the DINTV control statement. However, duration reporting is not supported for ENQ, TRACE, or SDELAY reports.

System action

The specified REPORTS options ENQ, TRACE, and/or SDELAY are ignored.

System programmer response

If you want to obtain ENQ, TRACE, or SDELAY reports, rerun the job without specifying the DINTV control statement.

ERB467I

ZZ: ESS DATA COLLECTION FAILED. RC = rc[, failing device = syyyy]

Explanation

An attempt by RMF to obtain ESS counters failed. The reason for the failure is indicated by the return code as described below.

In case of a nonzero return code, the message text is extended by failing device = syyyy. The first digit s represents the ID of the subchannel set to which the I/O device is physically configured.

System action

RMF writes an SMF type 74-8 problem record with status code R748CSC=08, and a return code in R748CRTN.

System programmer response

Action depends on the reason for the failure, which is indicated by the return code as follows:

03

ESS statistics have been requested by RMF Monitor I gathering option ESS, but no enterprise disk system was found which supports ESS statistics.

To suppress this message, change the Monitor I option statement to NOESS until an enterprise disk system is available which supports the ESS statistics.

04

GETMAIN failed for a caching subsystem during an attempt to obtain storage for ESS counters.

Increase the REGION parameter in the RMF procedure and restart RMF.

08

An I/O error occurred in a caching subsystem during an attempt to obtain ESS counters. If the failure is intermittent, it may result from a RESERVE having been issued against a 3390 device.

Use the device number to locate the failing control unit.

If the message is issued in consecutive intervals, and no RESERVE is active, search the problem-reporting data bases for a fix. If there is no fix, save the SMF74-8 records and the system log. Report the problem to the IBM Support Center.

20

The request to obtain ESS counters failed with an AOM return code 4 and reason code 20. AOM could not access the RMF internal output buffer to store the ESS counters. Search the problem-reporting data bases for a fix. If there is no fix, save the SMF74-8 records and the system log. Report the problem to the IBM Support Center.

36

At least one enterprise disk system had no path available when RMF attempted to obtain ESS counters.

Ensure that there is a path to each enterprise disk system from the system on which RMF is running.

40

An enterprise disk system had no path available when RMF attempted to obtain ESS counters.

Ensure that there is a path to each enterprise disk system from the system on which RMF is running.

56

RMF received a bad return code from AOM when attempting to obtain ESS counters and the AOM reason code returned is other than 04, 16 or 20. This error may result from an online device with no operational path that RMF uses to retrieve the ESS counters. Please ensure that there is at least one operational path from the system on which RMF is running to the devices contained in the enterprise disk system.

Search the problem-reporting data bases for a fix. If there is no fix, save the SMF74-8 records and the system log. Report the problem to the IBM Support Center.

60

An I/O error occurred in a caching subsystem during an attempt to obtain ESS counters. The attempt to obtain the device counters was terminated by a timeout condition.

Use the device number to locate the failing control unit.

Search the problem-reporting data bases for a fix. If there is no fix, save the SMF74-8 records and the system log. Report the problem to the IBM Support Center.

Explanation

The ESS data collection subtask did not finish processing during an RMF measurement interval. When this hung situation was resolved during the next interval, the ESS counters in the written record represented the data for both RMF intervals.

System action

RMF continues processing with the next interval.

System programmer response

Response depends on the length of the RMF interval in question:

- If the message is issued for an interval that was cut short by a STOP or MODIFY command, the ESS data collector cannot finish processing, and no data is collected for the interval. Ignore the message.
- If the message is issued for an interval that was not cut short by a STOP or MODIFY command, increase the RMF measurement interval to 15 minutes or more.
- If the message is issued for intervals of 15 minutes or longer, the cause may be a hardware condition, such as "Intervention Required". Resolve the hardware condition.

Explanation

For exception/overview duration processing, the existing duration processing logic is adapted. This requires that the RTOD and ETOD values are identical. The ETOD value is used for processing.

System action

The RTOD value is set to the ETOD value.

System programmer response

Check the reporting time value RTOD and the exception reporting time ETOD, whether they contain the desired values.

Explanation

The Postprocessor detected a SMF record type *tt* and subtype *ss* that is not completely reassembled. The SMF record is written on system *yyy* within system complex *xxx*.

System action

The SMF record was skipped.

User response

Check the SMF data set.

Explanation

SMF data from system zzz within sysplex xxx for coupling facility yyy and reporting interval start at mm/dd/yyyy hh.mm.ss does not cover the whole sysplex reporting interval. This message is repeated every time incomplete data is detected. In addition, the note "DATA FROM SEVERAL SYSTEMS IS MISSING OR INCOMPLETE! REPORTED DATA MAY BE INEXACT!" is written on each of the coupling facility report parts. In the Coupling Facility Subchannel Activity report and the Coupling Facility Structure Activity report every system name for which data is not complete is marked with a "*".

System action

The Postprocessor creates the coupling facility reports indicating incomplete data.

User response

Check the SMF data set.

ERB472I	PPS: SMF RECORD <i>tt</i>, SUBTYPE <i>ss</i> DATA MISSING - SYSPLEX <i>xxx</i>, COUPLING FACILITY <i>yyy</i>, SYSTEM <i>zzz</i>, INTVSTART <i>mm/dd/yyyy hh.mm.ss</i>
----------------	--

Explanation

SMF data from system zzz within sysplex xxx for coupling facility yyy and reporting interval start at mm/dd/yyyy hh.mm.ss is expected, but cannot be found. This message is repeated every time missing data is detected. In addition, the note "DATA FROM SEVERAL SYSTEMS IS MISSING OR INCOMPLETE! REPORTED DATA MAY BE INEXACT!" is written on each of the coupling facility report parts.

System action

The Postprocessor creates the coupling facility reports indicating missing data at the end of the respective reports.

User response

Check the SMF data set. Merge the type *tt* subtype *ss* SMF records from sysplex *xxx*, system *zzz* into the Postprocessor input stream and rerun the Postprocessor.

ERB473I	PPS: <i>rr</i> REPORT TERMINATED DUE TO UNRECOVERABLE ERROR
----------------	--

Explanation

An error occurred while the Postprocessor was generating a report. The report that caused the problem is identified by *rr*. *rr* contains the value that was specified on the REPORTS or SYSRPTS control statement for the Postprocessor (see *z/OS Resource Measurement Facility User's Guide* for a description of the REPORTS and SYSRPTS control statements).

System action

RMF stops formatting and writing all *rr* reports for this Postprocessor session. If other reports were requested, the Postprocessor continues with them.

System programmer response

Examine the dump.

ERB474I	PPS: DATA EXCEPTION IN CF REPORTER - REPORTING INTERVAL FOR SYSPLEX <i>xxx</i> WILL BE SKIPPED
----------------	---

Explanation

The Postprocessor encountered an error during processing SMF records type 74, subtype 4 data for the current reporting interval. Data cannot be reported for this period.

System action

The complete reporting interval for sysplex xxx will be skipped. The Postprocessor continues processing with the next reporting interval.

User response

If this message occurs more often, check SMF data set.

ERB475I	PPS: DATA EXCEPTION IN WLM REPORTER - REPORTING INTERVAL FOR SYSPLEX xxxxxxxx WILL BE SKIPPED
----------------	--

Explanation

The Postprocessor encountered an error during processing SMF records 72, subtype 3 data for the current reporting interval. Data cannot be reported for this period.

System action

The complete reporting interval for sysplex xxxxxxxx will be skipped. The Postprocessor continues processing with the next reporting interval.

User response

If the message occurs more often, check SMF data set.

ERB476I	PPS: OPEN FAILED FOR OUTPUT DATA SET
----------------	---

Explanation

The Postprocessor session failed to open the output data set for cross system reports (PPXSRPTS or XPXSRPTS).

System action

The Postprocessor is terminated immediately.

System programmer response

Check the output data set.

ERB477I	PPS: WRITE TO OUTPUT DATA SET FAILED
----------------	---

Explanation

The Postprocessor session failed to write to the output data set for cross system reports (PPXSRPTS or XPXSRPTS).

System action

RMF stops formatting and writing all reports for this Postprocessor session. The Postprocessor is terminated.

System programmer response

Check the output data set.

Explanation

The SMF records to be processed by the Postprocessor are not sorted. The SMF record input data set(s) (MFPINPUT) for the Postprocessor job must contain the SMF records sorted in ascending order by RMF interval start time and RMF interval start date.

System action

The Postprocessor session is terminated.

System programmer response

Ensure that the input data set contains the SMF records sorted by RMF interval start time and date.

Explanation

For the specified option of the REPORTS control statement, only the XML output format is supported.

System action

The specified option of the REPORTS control statement is ignored.

User response

To get the specified report in XML output format, specify ddname XPRPTS.

Explanation

A request to allocate virtual storage at run time failed. The problem occurred in module *mm*, function *ff* at line *ll*.

System action

RMF stops formatting and writing all reports for this Postprocessor session. The Postprocessor is terminated.

System programmer response

Try to restart the Postprocessor with less cross system reports requested.

Explanation

The Postprocessor detected an unrecoverable error. The problem occurred in module *mm*, function *ff* at line *ll*.

System action

Postprocessor tries to stop the failing component and continues processing if possible, otherwise the Postprocessor is ended.

System programmer response

Examine the dump.

ERB482I	PPS: SMF RECORD <i>xx</i>, SUBTYPE <i>yy</i> SYSTEM <i>ssss</i> SKIPPED, REASON = <i>rs</i>.
----------------	---

Explanation

The Postprocessor cannot use the SMF record type *xx* subtype *yy* from system *ssss*. The record is skipped because of reason code *rs*.

System action

The Postprocessor continues with next SMF record.

System programmer response

Action depends on the reason for the failure, which is indicated by the reason code, as follows:

- 4**

The SMF record indicates a problem during collecting cache control unit data. No report is generated in this case.

Refer to the LOGREC for more detailed information and also to message ERB464I issued by the data collector.
- 8**

The skipped record contains incorrect data obtained from a cache control unit. The control unit may have been IMLed. No action required.
- 12**

The Postprocessor found a mixture of RMF records and converted CRR records and skipped the record. The records should be separated, and the Postprocessor could run against both types of records.
- 16**

The skipped record contains inconsistent data. The model number of the SSID it represents has been changed during the collection. Split the duration interval into parts that contain consistent data only.
- 20**

The skipped record has an unsupported record level. For record type 103, HTTP Rel. 5.2 is required, for record type 108, Domino Server Rel. 5.0.3 is required.
- 24**

The skipped record contains inconsistent data. This can cause that there are not enough records to create a report for a specific server interval.

ERB483I	PPS: PROCESSING TERMINATED DUE TO READ ERROR(S)
----------------	--

Explanation

The Postprocessor encountered a persisting read error during read operations from the SMF record source.

System action

The Postprocessor stops reading SMF records. The Postprocessor continues processing of SMF records that have been read successfully.

System programmer response

Check the SMF record source.

ERB484I	PPS: SMF RECORD <i>tt</i> SUBTYPE <i>ss</i> SYSTEM <i>xx</i> SYSPLEX <i>yy</i> SKIPPED REASON=<i>rr</i>
----------------	--

Explanation

The Postprocessor encountered an error during processing of a SMF record type tt, subtype ss. The SMF record was written on system xx within system complex zz. Reason 'rr' may be one of the following:

Reason

Description

1

The Postprocessor detected SMF records with incorrect sync values. The problem usually occurs if the RMF gatherers on the various systems in a sysplex do not use identical sync values, or if the sync value on the system(s) changed within the reported time range.

2

The Postprocessor detected a SMF record that contains inconsistent data.

3

The Postprocessor detected an internal processing error while processing a SMF record.

4

Reassembly of broken records failed.

System action

The SMF record is skipped. Processing continues.

System programmer response

Check the SMF input data set.

ERB485I

**PPS: NO REPORTABLE DATA FOUND FOR SPECIFIED xx OR OVW
OPTIONS**

Explanation

The SMF data set does not contain data for the specified xx suboptions or for specified OVW option control statements.

xx is a suboption of the SYSRPTS option (that is, WLMGL or SDEVICE).

System action

The Postprocessor reports will be generated for those options for which data has been found.

User response

Check the specified options.

ERB486I

PPS: CROSS SYSTEM REPORT OPTIONS IN EFFECT

Explanation

This message appears in the message data set and lists the options in effect for cross system reports in the RMF Postprocessor. The options are listed, one per line, in the form:

```
option (value) -- source
```

The source indicates where the option was specified and can be either 'SYSIN' if the option was specified on a control statement for the Postprocessor or 'DEFAULT' if the program defaults are used.

ERB487I

PPS: SYNTAX ERROR IN CONTROL STATEMENT, LINE: ll, ttt

Explanation

The Postprocessor detected a syntax error in the control statement on line 'll'. 'ttt' provides additional information about the syntax error. 'ttt' is not always available. The second line of the message shows the line containing the control statement that caused the syntax error. The third message line points to the control statement that caused the syntax error.

System action

The Postprocessor stops parsing of control statements. The Postprocessor session is terminated.

System programmer response

Correct the Postprocessor control statements.

ERB488I**PPS: SYSPLEX DATA SERVER OPERATION FAILURE (reason)**

Explanation

The Postprocessor failed to use a service of the RMF sysplex data server.

Note: Please verify your JCL to ensure that you want to access the data of the sysplex data service. If you want to access SMF data that have been written to a data set, you need to specify this data set by using the DD-statement MFINPUT.

'reason' gives a short description of the problem and may contain the following:

SERVER NOT ACTIVE

The RMF sysplex data server is not active. Start the local RMF address space.

DATA BUFFERS INACTIVE

All RMF data buffers for SMF data are inactive on the systems the Postprocessor needs data from. Start the RMF data buffers on the systems you need information from.

FETCH ERBDSQRY FAILED

A trial to dynamically load the ERBDSQRY service into memory failed. Ensure that the load module is available when running the Postprocessor. The Postprocessor session is terminated.

FETCH ERBDSREC FAILED

A trial to dynamically load the ERBDSREC service into memory failed. Ensure that the load module is available when running the Postprocessor. The Postprocessor session is terminated.

INSUFFICIENT AUTHORIZATION

The Postprocessor is not authorized to call the RMF sysplex data services. The Postprocessor session is terminated.

ERBDSQRY SERVICE TIMEOUT

A timeout occurred for the ERBDSQRY service. Postprocessor reports may be not available or may be incomplete due to the timeout situation. Processing continues.

ERBDSREC SERVICE TIMEOUT

A timeout occurred for the ERBDSREC service. Postprocessor reports may be not available or may be incomplete due to the timeout situation. Processing continues.

NO SMF DATA

No SMF data is available from the sysplex data server. SMF data required in order to build the reports requested via Postprocessor control statements is not available. Check the values of the Postprocessor control statements.

ERBDSQRY SERVICE FAILED, RC=xx, RSN=yy

The ERBDSQRY service failed. Refer to a description of the RMF sysplex data server services for a detailed description of the return code xx and the reason code yy. The Postprocessor session is terminated.

ERBDSREC SERVICE FAILED, RC=xx, RSN=yy

The ERBDSREC service failed. Refer to a description of the RMF sysplex data server services for a detailed description of the return code xx and the reason code yy. The Postprocessor session is terminated.

System action

The Postprocessor stops using services of the sysplex data server. Processing of SMF records that have been retrieved continues.

System programmer response

See description of reason.

ERB489I	PPS: SYSPLEX DATA SERVER, <i>nn</i> RECORDS NOT RETRIEVED DUE TO <i>rsn</i>
----------------	--

Explanation

The Postprocessor failed to retrieve SMF records via the sysplex data server. 'nn' gives the number of SMF records that could not be retrieved. 'rsn' describes the reason and may be one of the following:

Reason

Description

TIMEOUT

SMF record(s) could not be retrieved due to timeout conditions in the sysplex data server.

OVERFLOW

The SMF record(s) could not be retrieved due to data buffer overflow. The SMF records being requested have been replaced in a wrap around data buffer by newer ones before they could be retrieved by the Postprocessor.

ERB490I	PPS: CONFLICTING SUBOPTIONS IN CONTROL STATEMENT, LINE <i>ll</i>: PPS: STATEMENT IGNORED
----------------	---

Explanation

The combination of selected suboptions is not allowed.

System action

The control statement is ignored, processing continues.

User response

For OVW control statements, verify that the correct scope has been specified for the selected condition and run the Postprocessor job again.

ERB500I	USERID <i>userid</i> is not authorized to use RMF.
----------------	---

Explanation

You have entered a user-ID not authorized under TSO. Your installation authorization routine (ERB3SOCK for RMF Monitor III) flagged the incorrect user-ID, which appears in the RMF or RMFWDM command for Monitor III.

System action

RMF ignores the RMF or RMFWDM command. The TSO session continues.

User response

Contact your system programmer.

ERB501I	Cannot get sufficient storage from subpool 78.
----------------	---

Explanation

The specified ISPF table, required to hold data for the RMF display session, has not been defined to RMF. The following RMF-supplied ISPF tables must be installed before you start an RMF reporter session:

- ERBFMTS3 - report layout definitions
- ERBPHDS3 - phase driving definitions
- ERBPTGS3 - graphic report parameters
- ERBSESS3 - session default options
- ERBCOPS3 - graphic default options
- ERBROPS3 - report default options
- ERBLNGS3 - language default options
- ERBWEXS3 - Workflow/Exception default options
- ERBJOBS3 - job name default selections
- ERBSYOS3 - SYSINFO default selections
- ERBGPSS3 - WLM group name selections
- ERBGRDS3 - Group selection and description

System action

RMF ends the session with user completion code *completion-code* and lets you request a dump.

User response

Check with the RMF system programmer if all RMF-supplied ISPF tables have been defined correctly.

Programmer response

Correct the error as described by the reason code for the user completion code in [Chapter 5, “User completion codes,” on page 275](#).

ERB505I	Command not found in phase driver table.
----------------	---

Explanation

You must add any user-defined commands to the phase driver table (ERBPHDS3), which contains entries for all RMF commands.

System action

RMF rejects the command.

User response

Verify that the command issued is a valid RMF command. If it is a user-defined command, create an entry for it in the phase driver table.

ERB506I	Command entry in phase driver table is incorrect.
----------------	--

Explanation

You issued a user command or an RMF command that has an incorrect entry in the phase driver table (ERBPHDS3). The table must contain entries for all RMF commands.

System action

RMF rejects the command.

User response

Ask your RMF system programmer to correct the entry in the phase driver table.

Programmer response

Verify that entries in the phase driver tables are complete and accurate.

ERB507I	<i>command entry in application command table not valid.</i>
----------------	---

Explanation

You must add any user-defined commands to the application command table (ERBCMDS), which contains entries for all RMF commands.

System action

RMF rejects the command.

User response

Verify that all entries in the application command table are complete and accurate. If you entered an RMF command, the valid table entry was probably altered outside of RMF.

ERB508I	<i>Incorrect character in command input.</i>
----------------	---

System action

RMF rejects your command.

User response

Enter a valid command.

ERB509I	<i>"=" is not valid in this context.</i>
----------------	---

System action

RMF rejects the command.

User response

Enter your command without the equal sign (=).

ERB510I	<i>"*" is not valid in this context.</i>
----------------	---

System action

RMF rejects the command.

User response

Enter your command without the asterisk (*).

ERB511I	<i>Too many or incorrect parameters specified.</i>
----------------	---

System action

RMF rejects the command.

User response

Enter the command with the correct parameters. See Extended Help for the report you want or *z/OS Resource Measurement Facility User's Guide* for the correct syntax.

ERB512I**Command must not have parameters.**

System action

RMF rejects the command.

User response

Enter the command without any parameters.

ERB513I**Required string missing.**

Explanation

You entered the FIND command without specifying a target.

System action

RMF rejects the command.

User response

Enter the command with the characters you want to find.

ERB514I**Incomplete string specified.**

Explanation

One or more character strings in your command could be missing final quotation marks (').

System action

RMF rejects the command.

User response

Put a quotation mark (') at the end of the string and enter the command again.

ERB515I**String must not contain blanks.**

System action

RMF rejects the request.

User response

Enter the parameter without any blanks.

ERB516I**Parameter must be: ON or OFF.**

Explanation

The only valid parameters for your command are ON and OFF.

System action

RMF rejects the command.

User response

Enter either ON or OFF.

ERB517I Multiple occurrence of same parameter.

System action

RMF rejects the command.

User response

Enter the command with only one occurrence of the parameter.

ERB518I Parameter must be: ON, OFF, REPORT or SCREEN.

Explanation

You issued the HARDCOPY command with an incorrect parameter.

System action

RMF rejects the command.

User response

Enter a valid parameter:

- ON for printed copies of all reports you view during the session.
- OFF for no printed copies of any reports or screens you view during the session.
- REPORT for a printed copy of a report you are viewing.
- SCREEN for a printed copy of a screen you are viewing.

ERB519I Parameter missing, ON is assumed.

Explanation

You issued the HARDCOPY command without specifying a parameter.

System action

RMF continues the session, and defaults to HARDCOPY ON.

User response

If you want hardcopy for RMF reports, take no action. If you do not want hardcopy, return to the screen, enter HARDCOPY OFF.

To print only the screen or report you are viewing, enter HARDCOPY and one of the following parameters:

- REPORT for a printed copy of a report.
- SCREEN for a printed copy of a screen.

ERB520I**Scroll must be: DATA, HALF, MAX, PAGE, or 0 to 9999.****Explanation**

You entered an incorrect parameter or line value for SCROLL.

System action

RMF rejects the command.

User response

Enter a valid value. Valid values are:

- DATA
- HALF
- MAX
- PAGE
- number (from 0 to 9999).

ERB521I**Scroll value cannot exceed 4 characters.****Explanation**

You entered an incorrect parameter or line value for Scroll.

System action

RMF rejects the command.

User response

Specify a valid number for Scroll. Valid numbers for Scroll are 1 to 9999.

ERB522I**Extra parameters. Comma may be missing.****Explanation**

You might have omitted a comma between parameters of a report command or between parameters of the BREF/FREF command.

System action

The request is ignored.

User response

Check to see if a comma is missing between parameters, then enter the command again.

ERB523I**HARDCOPY SCREEN/REPORT request not processed.****Explanation**

You entered a valid HARDCOPY command, but you are not on a report panel.

System action

RMF continues the session but ignores the request.

User response

Request an RMF report and issue the HARDCOPY command again.

ERB524I **TIME value is not valid.**

Explanation

An incorrect value for time was specified either on the BREF/FREF command or in the report header input field.

System action

No action taken.

User response

Correct the TIME value and press ENTER. The syntax of the TIME parameter of the BREF/FREF command and the value for TIME in the report header input field is:

```
{TIME} = hh { } mm { } ss
{T      } { } { } { }
```

You can omit leading zeros, and seconds or hours if they are zeros. For example, you can specify TIME=9.05 or TIME=9:05, rather than TIME=09.05.00 or TIME=09:05:00.

ERB525I **Report is for class *class-name* only.**

Explanation

You requested a report that is limited to a single class of jobs. The class can be ASCH, BATCH, ENCLAVE, OMVS STC (Started Task Control), or TSO.

System action

The report displayed contains only those jobs belonging to the specified class.

User response

None.

ERB526I **DATE value is not valid.**

Explanation

An incorrect value for DATE was specified either on the BREF/FREF command or in the report header input field.

System action

No action taken.

User response

Correct the DATE value, and press ENTER.

The syntax of the DATE parameter of the BREF/FREF command is:

```
{DATE} = mm { } dd { } yy
{D      } { } { } { }
```

You can omit leading zeroes. For example, you can specify DATE=9/3/94 rather than DATE=09/03/94.

This example uses the form MMxDDyYY. To change the form of the date, use the language options (enter LANGUAGE on any panel).

ERB528I**RANGE value is not valid.**

Explanation

An incorrect value for RANGE was specified either on the BREF/FREF command or in the report header input field.

System action

No action taken.

User response

Correct the RANGE value and press ENTER. The syntax of the RANGE parameter of the BREF/FREF command and the value for the RANGE in the report header field is:

```
{RANGE} = {nnnnM }  
{R      } {nnnn[S]}
```

Valid time range values are 10 to 9999 seconds or 1 to 166 minutes. If you specify a value without M or S, RMF uses seconds.

ERB529I***delay-reason* had the largest using. Report is for *job-group* only.**

Explanation

You pressed ENTER with the cursor positioned on the USG% field of a summary line on the delay report. The display is limited to a subset of the jobs in the system. The *delay-reason* is replaced by either PROC or DEV. The *job-group* can be BATCH, TSO, STC (Started Task Control), ASCH, OMVS, or a service class.

System action

The report contains only those jobs belonging to the specified class.

User response

None.

ERB530I**Keyword must be: TIME, DATE, RANGE, or SYSTEM.**

Explanation

An incorrect keyword was used for the BREF/FREF commands.

System action

No action taken.

User response

Enter the command with a valid keyword. Specify TIME=value, DATE=value, RANGE=value, or SYSTEM=value; you can abbreviate TIME as T, DATE as D, RANGE as R or SYSTEM as S.

ERB531I**Command is not valid in this context.**

Explanation

You typed a valid command on the command line but pressed END (PF3) instead of ENTER.

System action

RMF rejects the command.

User response

To execute the command, press ENTER, or erase your command and press END (PF3).

ERB532I	Command input cannot end with a comma.
----------------	---

Explanation

You ended a command input with a comma.

System action

RMF rejects the command.

User response

Remove the final comma, and press ENTER.

ERB533I	Maximum number of stacked levels reached.
----------------	--

Explanation

Using cursor sensitive control, you have reached the maximum number (15) of nested RMF reports.

System action

By pressing END (PF3) you can display the previous report. If you select another report via cursor sensitive control, RMF will not retain the return path.

User response

None.

ERB534I	Class must be: ALL (A), ASCH (AS), BATCH (B), OMVS (O), STC (S), or TSO (T).
----------------	---

Explanation

You specified an incorrect value for class.

System action

RMF rejects the command.

User response

Correct the class and press ENTER.

ERB535I	Cursor sensitivity is not active for this report.
----------------	--

Explanation

You pressed ENTER when the cursor was not on the command line, and the fields in the displayed report were not cursor sensitive. RMF graphics reports and user modified reports that use the ISPF table display feature do not contain cursor sensitive fields.

System action

The report is re-displayed.

User response

Use a command to invoke the desired report.

ERB539I**Report is for service class *service class name* only**

Explanation

You requested a report that is limited to a single service class.

System action

The system displays only those jobs that belong to the class.

User response

None

ERB540I**The job name is not valid.**

Explanation

Job names must be from 1 to 8 characters long, and consist of:

- Letters A-Z.
- Special characters @, #, or \$. The only exception is *MASTER*, which is a valid job name for RMF.
- Numbers 0-9; however, the first character of a job name cannot be a number.

System action

RMF rejects the command.

User response

Enter a valid job name on the command line.

ERB541I**Job name is too long.**

Explanation

Job names cannot exceed 8 characters.

System action

RMF rejects the command.

User response

Correct the job name and press ENTER.

ERB542I**Resource name is too long.****Explanation**

Resource names (VOLSERs) must be from 1 to 6 characters long. Enqueue MAJOR names must be from 1 to 8 characters long.

System action

RMF rejects the command.

User response

Correct the VOLSER or enqueue MAJOR name and press ENTER.

ERB543I**VOLSER is not valid.****Explanation**

You specified an incorrect volume serial number for a device resource. Volume serial numbers must be from 1 to 6 characters long, and consist of:

- Letters A-Z
- Numbers 0-9
- Special characters @ # \$, . / ' () * & + - =

See *z/OS MVS JCL Reference* for information on the correct syntax of a volume serial number.

System action

RMF rejects the command.

User response

Correct the VOLSER number and press ENTER.

ERB545I**To end GO mode and enter a command, press ATTN/PA1 key.****Explanation**

You requested the GO mode for this report.

System action

RMF will automatically refresh the screen based on the Refresh option value.

User response

To stop the screen from refreshing, press the ATTN/PA1

ERB546I**One or more data sets cannot be accessed.****Explanation**

The Data Index screen is displayed, with the data set support being active. At least one data set contains data that is not from the local system. The reporter cannot access this data set.

System action

RMF continues processing with the data that is from the local system.

User response

You can either:

- Notify the system operator to remove the data set, so that it is no longer in the list of data sets available for data set support.
- Continue with the available data.

ERB547I **Jobname not specified.**

Explanation

You did not specify a job name.

System action

Session continues.

User response

You can either:

- Specify a valid job name for a job-oriented report. Once you specify a job name on a job report options panel, it becomes the default job name for all job delay reports
- Press END (PF3) to leave the screen.

ERB548I **Time limit for GO mode has expired.**

Explanation

The Time Limit for GO mode that you specified on the session options screen has expired.

System action

RMF terminates GO mode.

User response

If you do not want a time limit, specify NONE for the Time Limit on the session options screen. If you want to change your time limit, specify another value. Valid values are 1-999 minutes or 1-128 hours. For example, specify 10M or 2H.

ERB549I **Module *module*abend. Scde:*scde* Rcde:*rcde***

Explanation

The module specified on the previous panel has terminated abnormally.

System action

RMF terminates the session with the system abend listed on the previous panel.

User response

Check the system completion code and reason code identified on the previous panel in *z/OS MVS System Codes* and correct the problem. You can request a dump by entering Y on the previous panel.

ERB550I **Module *module*abend. Scde:*scde* Rcde:*rcde***

Explanation

The module specified on the previous panel has terminated abnormally.

System action

RMF terminates the session with the system abend listed on the previous panel.

User response

Check the system completion code and reason code identified on the previous panel in *z/OS MVS System Codes* and notify your system programmer. You can request a dump by entering Y on the previous panel.

ERB551I**Module *module* abend. Ucde:*ucde* Rcde:*rcde***

Explanation

The module specified on the previous panel has terminated abnormally.

System action

RMF terminates the session with the user abend listed on the previous panel.

User response

Check the user completion code (Ucde) and reason code (Rcde) identified on the previous panel in Chapter 5, “User completion codes,” on page 275 and correct the problem. You can request a dump by entering Y on the previous panel.

ERB552I**Module *module* abend. Ucde:*ucde* Rcde:*rcde***

Explanation

The module specified on the previous panel has terminated abnormally.

System action

RMF terminates the session with the user abend listed on the previous panel.

User response

Check the user completion code and reason code identified on the previous panel in Chapter 5, “User completion codes,” on page 275 and correct the problem. You can request a dump by entering Y on the previous panel.

ERB553I**Jobs must be: YES or NO.**

Explanation

You specified an incorrect Jobs value.

System action

RMF rejects the request.

User response

Specify YES to obtain the job selection screen, or NO to avoid it.

ERB554I**Unable to allocate hardcopy. Session continues.**

Explanation

RMF could not allocate the hardcopy data set.

System action

RMF produces no hardcopy output of the report.

User response

Make sure the SYSOUT specified on the session options screen is correct, or end the session and correct the error as described by the return-code, error-code, and information-code listed in *z/OS MVS Programming: Authorized Assembler Services Guide*.

ERB555I	Unable to open hardcopy. Session continues.
----------------	--

System action

RMF produces no hardcopy output of the report, but the session continues.

User response

Make sure that the SYSOUT class specified on the session options screen is correct.

ERB556I	Data movement failed.
----------------	------------------------------

Explanation

RMF could not move data from the data gatherer because the data gatherer had changed the data areas. The RMF reports contain no data.

System action

RMF continues the session.

User response

Decrease the RANGE parameter, and repeat your request.

ERB557I	I/O error on hardcopy data set. Session continues.
----------------	---

Explanation

You specified Hardcopy ON, and an I/O error, that can not be corrected, occurred while RMF was writing to the SYSOUT data set or the data set specified for Output Data Set on the Session Options panel. The SYNAD text is: *synad-text*

System action

RMF sets Hardcopy OFF and produces no hardcopy output, but the session continues.

User response

Do not issue the Hardcopy ON command. Report the synad text to your system programmer.

Programmer response

Use the synad text to determine why the data set is in error.

ERB558I	Reports are not available. IPL at IPL-time.
----------------	--

Explanation

You requested a report for a time range in which an IPL was detected. RMF cannot process all the necessary data to provide a consistent report.

System action

RMF displays an empty report.

User response

Select values for date, time, and range that do not overlap with the IPL time.

ERB559I Reports are unavailable. Operator changed cycle time.

Explanation

During the gatherer session, the operator changed the CYCLE time from *old-cycle-time* to *new-cycle-time*. The change occurred at *time*.

System action

RMF reports do not contain data for the specified Refresh or Range time.

User response

Wait until the next interval for the GO mode.

If the reporter is in STOP mode, select Date, Time and Range values that do not overlap the time when the CYCLE was changed.

ERB560I Delay values for *resource/service-class* are not currently available.

Explanation

Within the current report interval, RMF did not detect any delay for the resource or service class.

System action

RMF waits for the next input.

User response

Press END (PF3) to return to the previous panel.

ERB561I No job or resource found to satisfy selection criteria.

Explanation

You entered a selection for a job or resource that is not available.

System action

RMF waits for the next command.

User response

Enter another RMF command, or change the selection criteria on a report options screen.

ERB562I Your selection is not recognized by RMF.

Explanation

RMF cannot process the data in its current format.

System action

RMF issues user completion code U1510 and lets you request a dump. RMF continues the session and displays an empty report.

System programmer response

Save the dump and follow the procedure for user completion code U1510 in [Chapter 5, “User completion codes,”](#) on page 275.

User response

Request a dump and continue the session. If data sets are preallocated, ensure that the data was written by an RMF Monitor III data gatherer. If you only can retrieve parts of the data set, the data set might be damaged. Contact your system programmer.

Explanation

RMF detected an I/O error when trying to access the hardcopy data set.

System action

RMF produces no hardcopy output.

User response

Contact the system programmer responsible for RMF at your installation.

Explanation

You entered a command RMF does not recognize.

System action

RMF waits for a valid command.

User response

To see a list of valid commands, enter commands.

Explanation

You specified an incorrect value for class.

System action

No action taken.

User response

Enter a valid class from the list above.

ERB570I

Press ENTER to proceed with next request.

Explanation

You specified more than one AD (Add) or S (Select) action command on the Action panel. RMF processes only one requested command at a time.

System action

RMF executes the first command and displays the Action panel again.

User response

Press ENTER to execute the next command that you specified.

ERB571I

Changed option(s) now in effect.

Explanation

Your new options have been accepted by RMF.

ERB572I

RMF commands cannot be issued from this screen.

Explanation

You tried to issue an RMF command but RMF commands are not allowed on this screen.

System action

RMF rejects the command.

User response

Erase your command from the screen and type Y to obtain a dump or N to avoid a dump and press ENTER or END (PF3).

ERB573I

This RMF command cannot be issued on this screen.

Explanation

You entered a valid RMF command, but this command cannot be processed from this screen.

System action

RMF rejects the command.

User response

Try the command on another screen.

ERB574I

You cannot delete the current option set.

Explanation

You can only delete option sets that are not current for the session.

System action

RMF ignores your request.

User response

To delete this option set:

1. Make a different option set current by selecting it on the Option Set Selection panel.
2. Delete the option set that is no longer current.

ERB575I**Option set name already exists.**

Explanation

Each RMF option set must have a unique name.

System action

RMF ignores your request.

User response

Specify a unique name for the new option set.

ERB576I**New option set name is not added.**

Explanation

You tried to add an option set name, but the maximum number of option sets already exists.

System action

RMF ignores your request.

User response

Delete the option sets you do not need and then restart the RMF session.

ERB577I**The following characters were found: *character-string***

Explanation

The character string is displayed at the top of the screen with the cursor positioned at the beginning.

ERB578I**Line *top of rows*.**

Explanation

This line indicates the location of data during a table display of Monitor III report data.

System action

None.

User response

None.

ERB579I	Bottom of data reached.
----------------	--------------------------------

Explanation

RMF could not find the text between the current position of the cursor and the end of the report.

User response

Use the RFINDD command to repeat searching.

ERB580I	The following chars were not found: <i>character-string</i>
----------------	--

Explanation

The character string was not found in the data set.

ERB581I	GO mode does not work with preallocated data sets.
----------------	---

Explanation

You cannot enter GO mode or specify MODE GO on the session option screen for reports that contain data from preallocated data sets. RMF displays this report data in STOP mode only.

System action

RMF rejects your request.

User response

To get current Monitor III data from an active data gatherer session, end the current RMF reporter session and free the file name of the preallocated data set listed on the data index (DI) report. Start a new session.

ERB582I	Data not reportable. Multiple sysplex IDs on data sets.
----------------	--

Explanation

During a reporter session, two or more data sets with different sysplex IDs were encountered.

The reporter cannot report data from different sysplexes in one session.

System action

RMF displays the Data Index (DI) report.

User response

Check the DI report to determine the reason for the error message.

- Then, if you are using preallocated data sets, unallocate one or more data sets so that all preallocated data sets contain data with the same sysplex ID.

Note: The data sets must be in ascending consecutive order from RMFDS00 to RMFDS99. If you delete one and create a gap in the sequence, the DI report will only display the data sets before the gap.

- If you are using the gatherer's data set support, end the current session and clear out the data sets in error. Then start a new session.

ERB583I	Reports unavailable. Preallocated data sets unusable.
----------------	--

System action

RMF is not able to retrieve all of the requested data from all the preallocated data sets currently allocated. Therefore, no data is available to generate reports other than the DI report.

User response

Check the data index (DI) screen to determine the reason for the error message. End the current session. Then unallocate one or more data sets so that all preallocated data sets are valid and start a new session.

ERB584I**VSAM error.**

Explanation

RMF attempted to open or close data set *data-set-name*, and a VSAM error occurred.

System action

RMF displays the Data Index (DI) screen.

User response

Check the return-code *return-code* and the reason-code *reason-code*, and correct the error.

For an explanation of these codes, see *z/OS DFSMS Macro Instructions for Data Sets*.

ERB585I**VSAM error.**

Explanation

RMF attempted to allocate or unallocate data set *data-set-name*, and a VSAM error occurred.

System action

RMF displays the Data Index (DI) report.

User response

Check the return-code, reason-code, and information-code, and correct the error.

For an explanation of these codes, see *z/OS MVS Programming: Authorized Assembler Services Guide*.

ERB586I**VSAM error.**

Explanation

RMF attempted to complete VSAM request *command-name* for preallocated data set *data-set-name*, and a VSAM error occurred.

System action

RMF displays the Data Index (DI) report.

User response

Check the return-code *return-code* and the reason-code *reason-code*, and correct the error. For an explanation of these codes, see *z/OS DFSMS Macro Instructions for Data Sets*. Otherwise, contact the RMF system programmer at your installation.

ERB587I**Time gap from *start-time* to *end-time*.**

Explanation

RMF could not retrieve the requested data.

System action

RMF continues the session and displays an empty or incomplete report. The report header gives the time Range for available data.

User response

Change the date, time, and range of your request, or use the BREF/FREF commands without the DATE/TIME parameters. (BREF scrolls back from the beginning of the gap, and FREF scrolls forward from the end of the gap.)

To see which time range is available, check the report header Time and Range fields; to see which data sets contain sample data for the time range, check the Data Index (DI) report.

ERB588I **Time gap from *start-time* to *end-time*.**

Explanation

A VSAM error occurred when RMF tried to access at least one data set. RMF could not retrieve the requested data, probably because of this error.

System action

RMF displays an empty report. The report header gives the time range for available data.

User response

To determine which data sets were not accessed, check the Data Index (DI) report.

Adjust the Range parameter according to the begin and end time of the gap, or use the BREF/FREF commands without the DATE/TIME parameters. (BREF scrolls backwards from the beginning of the gap, and FREF scrolls forward from the end of the gap.)

ERB589I **Time gap from *start-time* to *end-time*.**

Explanation

RMF could not retrieve all requested data.

System action

RMF displays only the data it could retrieve.

User response

To determine which time range is available, check the report header Time and Range fields; to see which data sets contain sample data for the time range, check the Data Index (DI) report.

Adjust the Range parameter according to the begin and end time of the gap, or use the BREF/FREF commands without the DATE/TIME parameters. (BREF scrolls back from the beginning of the gap, and FREF scrolls forward from the end of the gap.)

ERB590I **Time gap from *start-time* to *end-time*.**

Explanation

A VSAM error occurred when RMF tried to access at least one data set. RMF could not retrieve the requested data probably because of the error.

System action

RMF displays the data that it could retrieve for the requested Range.

User response

To determine which data sets were not accessed, check the Data Index (DI) report.

Adjust the Range parameter according to the begin and end time of the gap, or use the BREF/FREF commands without the DATE/TIME parameters. (BREF scrolls backward from the beginning of the gap, and FREF scrolls forward from the end of the gap.)

ERB591I **Data available only from *start* to *end*.**

Explanation

The data gatherer did not contain data for the requested time frame in one of the following places:

- Internal storage
- Data set(s) you specified with the Data Set option.

System action

The RMF reporter session includes the available data.

User response

If appropriate, change the Date, Time, and Range of your request. If the current session is with preallocated data sets, request a Data Index (DI) report to retrieve data from the available time frame.

ERB593I **Specify a Monitor III report.**

Explanation

You must enter a report when you select option 4 (ROPTIONS) on the Option Selection Menu.

User response

Enter a report or its abbreviation (for example, WFEX) in the space provided. For a list of valid report types, see *z/OS Resource Measurement Facility User's Guide*.

ERB594I **Report type is not valid.**

Explanation

You specified a report type on the Option Selection menu that is not valid.

User response

Specify a valid report type or its abbreviation in the space provided for option 4 (ROPTIONS) and press ENTER. For a list of valid report types, see *z/OS Resource Measurement Facility User's Guide*.

ERB595I **Tabular report printed.**

Explanation

RMF wrote the tabular version of the report to the Output Data Set or the SYSOUT class specified on the session option screen.

User response

None.

ERB596I	Tabular screen printed.
----------------	--------------------------------

Explanation

RMF wrote the tabular version of the screen display to the output data set or the SYSOUT class specified on the session option screen.

User response

None.

ERB597I	Enter a FIND command.
----------------	------------------------------

Explanation

You can enter an RFIND command only after you have entered a FIND command with a character string.

System action

RMF rejects your command.

User response

Use the FIND command to enter a character string.

ERB599I	Incorrect option(s) encountered. Default(s) assumed.
----------------	---

Explanation

RMF detected an incorrect value for the following option groups:

option-name
option-name
option-name
option-name
option-name
option-name
option-name
option-name

The following option groups are available:

- SESSION - session options
- LANGUAGE - language options
- GRAPHIC - graphic options
- WFEX - Workflow/Exception Report options
- REPORT - report options for delay reports
- JOBNAME-REPORT - JOBNAME selections
- SYSINFO-REPORT - SYSINFO selections
- GROUP - Group selection and descriptions
- WLM Group Selection - WLM group name selection options

System action

RMF assumes default values for the group with the incorrect options and continues the session.

User response

Select the option groups using the Option Selection menu, and accept or modify the options. If the problem persists, contact your RMF system programmer.

ERB601I **Mode must be: STOP or GO.**

Explanation

You must specify STOP or GO for Mode.

System action

RMF rejects the request.

User response

Enter a valid option for Mode on the session option screen.

ERB602I **Screen specified as First Screen does not exist.**

Explanation

For First Screen, you need to specify one of

- A valid RMF report name (enter COMMANDS to see a list)
- PRIMARY
- SYSPLEX
- OVERVIEW
- JOBS
- RESOURCE
- SUBS
- TUTORIAL
- OPTIONS
- USER

System action

RMF rejects the request.

User response

Specify a valid value for First Screen.

ERB603I **Refresh value is not valid.**

Explanation

You specified an incorrect Refresh value.

System action

RMF rejects your request.

User response

Specify a Refresh value from 10 to 9999, which indicates the Refresh value in seconds.

ERB604I**Customization must be: YES or NO.**

Explanation

You entered an option other than YES or NO for Customization on the Session Options panel.

System action

RMF rejects the option.

User response

Type either YES or NO for Customization.

ERB605I**Time Limit is not valid.**

Explanation

You specified an incorrect value for Time Limit. RMF will end the GO mode when it reaches the time limit value.

System action

RMF rejects your request.

User response

Specify a valid value. Valid values are from 1 to 999 for minutes, 1 to 128 for hours, or NONE for no time limit.

ERB606I**Sort order must be: ASCEND or DESCEND.**

Explanation

An incorrect option for the sort order was specified. The sort order determines how RMF arranges the data sets for the DI report.

System action

RMF ignores your request.

User response

Specify a valid option for the sort order. RMF sorts the data in alphabetical order according to system name. Then the sort order is applied. Valid options are:

- ASCEND - RMF sorts the data sets in chronological order, displaying the data set with the oldest data first.
- DESCEND - RMF sorts the data sets in reverse chronological order, displaying the data set with the most current data first.
- Typing CANCEL on the command line lets you leave the panel without change.

ERB607I**SYSOUT value is not a valid SYSOUT class.**

Explanation

For SYSOUT, you must specify one of the following values:

- Any letter from A - Z

- Any value from 1 - 9.

User response

Supply a valid value for SYSOUT.

ERB608I **Data Set Name is not valid.**

Explanation

You specified an incorrect data set name.

System action

RMF ignores your request.

User response

Specify a valid data set name following conventions for your installation and the syntax described in *z/OS MVS JCL Reference*.

ERB609I **Report Format must be: GRAPHIC or TABULAR.**

Explanation

You specified an incorrect Report Format. Report Format determines the format in which RMF displays your reports.

System action

RMF ignores your request.

User response

Supply a valid option for Report Format. Valid options are:

- GRAPHIC, which displays the reports in graphic form.
- TABULAR, which displays the reports in tabular form.

ERB610I **Hardcopy must be: ON or OFF.**

Explanation

You specified an incorrect value for Hardcopy. Hardcopy ON directs hardcopy output for all reports or screens viewed during the session to the data set specified in Output Data Set or in SYSOUT.

Hardcopy OFF specifies no hardcopy for any RMF reports or screens.

User response

Supply a valid value for Hardcopy.

ERB611I **Analysis is for ASID *asid-number*.**

Explanation

The analysis of the primary/requested reason in the upper and middle parts of the job report refers only to the address space id specified in the message. The corresponding row in the lower part of the report is highlighted.

System action

The upper and middle parts of the report contains information for the specified ASID.

User response

None.

ERB615I Job *jobname* is not currently in the system.

Explanation

RMF did not find the selected job name in the system.

System action

RMF displays an empty report screen showing only the header lines of the report.

User response

Supply a job name that is in the system.

ERB616I No common storage remains for jobs ending since IPL.

Explanation

There is no common storage remaining for jobs that ended since IPL. The unowned queue is empty at the end of the range period.

System action

RMF displays only the report headings for the Common Storage Remaining (STORCR) report.

User response

None.

ERB617I CSA/ECSA data partially gathered.

Explanation

CSA/ECSA and RUCSA/ERUCSA data needed for RMF reporting was not completely gathered. VSM CSA/ECSA common storage tracking was either not active or partially active since the job started.

CSA/ECSA and RUCSA/ERUCSA data was last provided from *start-time* to *end-time*.

If *start-time* and *end-time* are blank, VSM common storage tracking was not active for CSA/ECSA data gathering since IPL.

System action

CSA/ECSA data fields are reported in dark blue for jobs where data was partially gathered.

System programmer response

Activate VSM common storage tracking by issuing:

```
SET DIAG=01
```

The defaults in the IBM supplied Parmlib member DIAG01 are:

```
VSM TRACK CSA(ON) SQA(ON)
```

User response

If VSM common storage tracking was partially active, you can use the BREF command to select a range period when CSA/ECSA data gathering was active.

If VSM common storage tracking was not active, contact your system programmer.

ERB618I **SQA/ESQA data partially gathered.**

Explanation

SQA/ESQA data needed for RMF reporting was not completely gathered. VSM SQA/ESQA common storage tracking was either not active or partially active since the job started.

SQA/ESQA data was last provided from *start-time* to *end-time*.

If *start-time* and *end-time* are blank, VSM common storage tracking was not active for SQA/ESQA data gathering since IPL.

System action

SQA/ESQA data fields are reported in dark blue for jobs where data was partially gathered.

System programmer response

Activate VSM common storage tracking by issuing:

```
SET DIAG=01
```

The defaults in the Parmlib member DIAG01 are:

```
VSM TRACK CSA(ON) SQA(ON)
```

User response

If VSM common storage tracking was partially active, you can use the BREF command to select a range period when SQA/ESQA data gathering was active.

If VSM common storage tracking was not active, contact your system programmer.

ERB619I **Common Storage data partially gathered.**

Explanation

CSA/ECSA, RUCSA/ERUCSA, and SQA/ESQA data needed for RMF reporting was not completely gathered. VSM common storage (CSA, ECSA, SQA, and ESQA) tracking was either not active or partially active since the job started.

CSA/ECSA and RUCSA/ERUCSA data was last provided from *start-time* to *end-time*.

SQA/ESQA data was last provided from *start-time* to *end-time*.

If *start-time* and *end-time* are blank, VSM common storage tracking was not active for common storage data gathering since IPL.

System action

Common storage data fields are reported in dark blue for jobs where data was partially gathered.

System programmer response

Activate VSM common storage tracking by issuing:

```
SET DIAG=01
```

The defaults in the IBM supplied Parmlib member DIAG01 are:

```
VSM TRACK CSA(ON) SQA(ON)
```

User response

If VSM common storage tracking was partially active, you can use the BREF command to select a range period when common storage data gathering was active.

If VSM common storage tracking was not active, contact your system programmer.

ERB620I **Color must be indicated by a number 1 - 7.**

Explanation

Color determines the color choices for your RMF graphic reports.

System action

RMF ignores your request.

User response

Supply a valid value (1 - 7) for Color.

ERB621I **Pattern must be indicated by a number 0 - 16.**

Explanation

Pattern determines the patterns available for RMF graphic reports.

System action

RMF ignores your request.

User response

Supply a valid value (0 - 16) for Pattern.

ERB622I **Threshold must be an integer from 0 to 100.**

Explanation

You specified a threshold value on the STORC report options panel that is not valid.

System action

RMF rejects the threshold.

User response

Enter an integer value between 0 and 100 for the threshold.

ERB623I **Name for color and pattern must be specified**

Explanation

You specified color and pattern, but did not specify a name.

System action

The options panel is re-displayed.

User response

Specify a name for your color and pattern combination, or type CANCEL on the command line to leave the panel without changes.

ERB624I	Incorrect selection specified.
----------------	---------------------------------------

Explanation

You specified a selection code outside the range of valid codes.

System action

No action taken.

User response

Enter a valid selection code.

ERB625I	Subsystem type is not valid.
----------------	-------------------------------------

Explanation

The subsystem type specified is not valid.

System action

No action taken.

User response

Enter a 1- to 4-character subsystem type name or specify *ALL for all subsystem types.

ERB626I	Enclave data is not currently available.
----------------	---

Explanation

Within the current report interval, RMF did not find any enclave for the selected subsystem, the selected owner, or the selected service class or performance group.

System action

No action taken.

User response

Enter another RMF command, or change the selection criteria on the Report Options panel.

ERB627I	Report is for subsystem type <i>subsys</i> only.
----------------	---

Explanation

You requested a report that is limited to a single subsystem type.

System action

RMF displays a report that contains only enclaves belonging to the specified subsystem type.

User response

None.

ERB628I**PCIE activity data is currently not available.**

Explanation

Within the current report interval, RMF can not report any PCIE activity. This could be caused by any of the following reasons:

- There was no PCIE activity
- PCIE activity data was not collected (Monitor III Gatherer option NOPCIE was specified)
- There is backlevel data in the allocated VSAM data set

System action

RMF waits for the next input

User response

Press END (PF3) to return to the previous panel.

ERB629I**EADM activity data is currently not available.**

Explanation

Within the current report interval, RMF can not report any extended asynchronous data mover (EADM) activity. This could be caused by any of the following reasons:

- There was no EADM activity.
- EADM activity data was not collected (Monitor III Gatherer option NOEADM was specified).
- EADM is not supported by the processor.
- There is backlevel data in the allocated VSAM data set.

System action

RMF waits for the next input.

User response

Press END (PF3) to return to the previous panel.

ERB630I**Specified Date Format is not valid.**

Explanation

You specified an incorrect Date Format. Date Format determines the date format for the RMF reports.

System action

RMF ignores your request.

User response

Supply a valid Date Format. Specify MDY; M for month, D for day, and Y for year in any order.

ERB631I**Date separator must be: . / or -**

Explanation

Date separator determines the separator RMF uses between the elements of Date in all reports and screens.

System action

RMF ignores your request.

User response

Supply a period (.), slash (/), or a dash (-) for Date separator.

ERB632I**Time separator must be: . - or :**

Explanation

Time separator determines the separator RMF uses between the elements of time values in all reports and screens.

System action

RMF ignores your request.

User response

Supply a period (.), dash (-), or a colon (:) for Time separator.

ERB633I**Decimal point must be: . or ,**

Explanation

Decimal point determines the decimal indicator RMF uses for measurement values in all reports and screens.

System action

RMF ignores your request.

User response

Supply a period (.) or a comma (,) for Decimal point.

ERB634I**RESET command failed. Data are not available.**

Explanation

You used the RESET command when automatic customization was set to YES and data were not available for RMF to create new WFEX report options.

System action

RMF rejects the RESET command, and continues option processing without resetting options.

User response

You can continue without resetting options, or make sure that the data are available by either:

- Starting the Monitor III data gatherer session again.
- Allocating the correct data sets with the current data.

ERB635I

Command conflicts with a previous command Action command.

Explanation

You specified several MOVE/COPY commands without specifying clear corresponding destinations.

System action

RMF ignores your request and does not execute the Action commands.

User response

Specify one of the following destinations for the MOVE/COPY command:

- **B** - for placement on the previous line
- **A** - for placement on the following line.

ERB636I

Action command must be: S, AD, C, D, M, MM, B, or A.

Explanation

You specified an incorrect Action command.

System action

RMF ignores the command.

User response

Supply a valid Action command, or blank out the incorrect command. Valid Action commands are:

- **S** - to access the Definition panel
- **AD** - to add workflow or exception indicators
- **C** - to copy workflow or exception indicators
- **D** - to delete workflow or exception indicators
- **M** - to move a line
- **MM** - to move a block
- **B** - to place the moved block or line or copied line as the preceding line
- **A** - to place the moved block or line or copied line as the following line

ERB637I

Report options are not available for this report.

Explanation

You have called the Report Options panel for a report which has no options.

System action

RMF rejects your request.

ERB638I	Class must be: ALL (A), ASCH (AS), BATCH (B), OMVS (O), STC (S), or TSO (T).
----------------	---

Explanation

You specified an incorrect Class value. Specifying Class on any report option screen allows you to select the types of job classes for which RMF will report delay values.

System action

RMF ignores your request.

User response

Supply a valid value for Class.

ERB640I	Summary must be: YES or NO.
----------------	------------------------------------

Explanation

You specified a value for Summary that is not valid. Specifying Summary on the Delay Report Options screen or the SYSINFO Report Options screen allows you to include or exclude summary lines on the RMF Delay or RMF SYSINFO report.

System action

RMF rejects your request.

User response

Supply a valid value for Summary. Valid values are:

- YES - to include summary lines on the Delay or SYSINFO report.
- NO - to exclude summary lines from the Delay or SYSINFO report.

ERB641I	Criterion must be an integer from 0 to 100.
----------------	--

Explanation

Criterion determines the minimum percentage of job delay that RMF will report. Delay reports will contain job delay percentages that are equal to or greater than the Criterion value you specify.

System action

RMF rejects your request.

User response

Supply a valid value for Criterion.

ERB642I	Move or Copy is pending. Enter A or B Action command.
----------------	--

Explanation

You specified a Move or Copy command without a destination.

System action

RMF ignores your request, and does not execute the action command.

User response

Specify one of the following destinations for the Move or Copy command:

- **B** -for placement on the previous line
- **A** -for placement on the following line.

ERB643I	Move or Copy is pending. Enter C, M, or MM Action command.
---------	--

Explanation

You specified a destination (**B** or **A**) without completely identifying a source.

System action

RMF ignores your request and does not execute the Action command.

User response

Identify the source by entering one of the following Action commands:

- **C** - to copy a line.
- **M** - to move a line.
- **MM** - to move a block.

ERB644I Selection code must be: S or D.

Explanation

You entered an incorrect selection for SELECT on the option set selection menu.

System action

RMF rejects your request.

User response

Enter a valid selection for SELECT.

Valid selections are:

- **S** - to add and make current a new option set that you specify on the input line, or make current an existing option set. The selected option set (specified by S for SELECT) becomes the current option set for the session.
- **D** - to delete any option set. You cannot delete an option set on an input line.

If you enter an option set on the input line without making a selection, RMF adds the option set to the list of existing option sets, but does not make the new option set current.

ERB645I Selection codes must be: S, X, or ' '.

Explanation

The selection screen includes a list of available job names that you can select or exclude from the job-oriented delay reports.

System action

RMF rejects your request.

User response

Enter a valid selection code. Valid selection codes for jobs listed in the selection screen are:

- **S** - Includes a job on the report.
- **X** - Excludes a job from the report.
- **blank** - When *ALL is selected (S), a blank includes a job on the report; when *ALL is excluded (X), a blank excludes a job from the report.

ERB646I Jobname or user name is not valid.

Explanation

Jobname or user name must be from 1 to 8 characters long, and consist of:

- Letters A-Z.
- Special characters @, #, \$. The only exception is *MASTER*, which is a valid jobname for RMF.
- Numbers 0-9; however, the first character of a jobname/user name cannot be a number.

System action

No action taken.

User response

Enter a valid jobname or user name.

ERB647I Cursor-sensitive control is not active for this field.

Explanation

You pressed ENTER with the cursor placed on a report field that does not have cursor-sensitive control.

System action

RMF displays the report.

User response

Place the cursor on a cursor sensitive report field.

ERB648I Group name syntax is not correct.

Explanation

Group determines which classes and groups RMF will include in the system information report.

System action

RMF ignores the request.

User response

Enter a correct name.

ERB649I No additional information available.

Explanation

You pressed ENTER when the cursor was on a cursor sensitive report field, but because of the contents of the field, no additional information is available.

System action

RMF displays the report.

User response

None.

ERB650I	Enter a matching MM Action command.
----------------	--

Explanation

You did not completely define a block that you want to move.

System action

RMF ignores your request and does not move the block.

User response

Enter one of the following Action commands:

- **MM** to complete the block definition.
- **M** to move just a line.

ERB651I	Complete Block Move before entering other Action commands.
----------------	---

Explanation

You entered a valid Action command in between a pair of move block (**MM**) Action commands.

System action

RMF does not execute the command you entered within the block.

User response

Delete the Action command within the block, and complete the move block command. Issue the Action command again.

ERB652I	Action command must be A or AD on this line.
----------------	---

Explanation

You issued an Action command other than add (**AD**) or after (**A**) on the first line of the scrollable area on the Action panel.

System action

RMF does not execute the command, and displays the Action panel.

User response

You can either:

- Change the Action command to an add (**AD**) or after (**A**) command.
- Blank out the command.

ERB653I**VOLSER is not valid.**

Explanation

You specified an incorrect volume serial number. Volume serial numbers must be from 1 to 6 characters long, and consist of:

- Letters A-Z
- Numbers 0-9
- Special characters @ - # \$, . / ' () * & + - =

See *z/OS MVS JCL Reference* for the complete syntax of a volume serial number.

System action

RMF rejects the option.

User response

Enter a valid VOLSER.

ERB654I**You cannot delete the recommended option set.**

Explanation

You specified Customization YES on the Session Options panel, but are not running the session with the recommended option set. You cannot delete the recommended option set when customization is active.

System action

RMF ignores your request.

User response

To delete the option set, specify Customization NO on the Session Options panel, and then delete the option set on the Option Set Selection panel.

ERB656I**Member *member-name* not found in parmlib.**

Explanation

RMF could not find *member-name* in the **Input Data Set** (parmlib data set).

System action

RMF does not perform the automatic customization, and uses the standard WFEX options.

User response

Make sure that the **Input Data Set** on the Session Options panel is correct.

ERB657I**I/O error while processing parmlib.**

Explanation

An I/O error or OPEN error occurred while RMF was either reading or searching for the *member-name* member in library *library-name*.

System action

RMF does not perform automatic customization.

User response

Check the Input Data Set on the Session Options panel to see if it is correct.

If the problem persists, see the system programmer responsible for installing RMF.

ERB658I**Only *nnn* out of *mmm* systems included in the report**

Explanation

Not all systems returned data. The systems not included are:

- *system-name*
- *system-name*
- *system-name*
- *system-name*
- *system-name*

Possible reasons are:

- The gatherer is not running on a system.
- There is a mismatch between the gatherer options.

The number of systems that belong to the sysplex and the number actually included in the report are shown in the message. If you are using pre-allocated data sets, the number of systems in the sysplex cannot be determined.

Note: If '????' is shown for *system-name*, the system ID could not be determined. For example, if a pre-allocated data set cannot be opened, the system ID cannot be obtained for that data set.

System action

The report is displayed showing only the systems that returned usable data.

User response

Contact your system programmer.

ERB659I**Contention data not available due to GRS problems**

Explanation

Within the current report interval, RMF was not able to obtain contention data for the resource or service class. GRS messages (for example, ISG344E) in the system log provide more details on the problem.

System action

RMF waits for the next input.

User response

Press END (PF3) to return to the previous panel.

ERB660I**Reports not possible without display phase.**

Explanation

The RMF phase driver table entry for this report does not contain the display phase (phase 3). You must add any user-defined reports to the phase driver table, which contains entries for all valid RMF reports. RMF rejects your request.

User response

If you requested an RMF or user-defined report, contact the programmer responsible for RMF user modifications to correct or add the entry to the phase driver table at your installation.

ERB661I**Jobname address space data is not available.**

Explanation

If RMF analyzes data gathered by a prior release for the JES/HSM JOB report, it will not find a job matching the job name of the JES/HSM subsystem. The middle part of the report which gives address space data will remain blank.

System action

The middle part of the report remains empty.

User response

None.

ERB662I**Unable to allocate hardcopy data set.**

Explanation

RMF failed to allocate data set *data-set-name* as output data set for hardcopy.

System action

The session continues, but RMF produces no hardcopy output.

User response

Make sure that the name specified in Output Data Set on the Session Options panel is correct, and correct the error described by return code *return-code*, error code *error-code*, and information code *information-code*.

See *z/OS MVS Programming: Authorized Assembler Services Guide* for a description of these codes.

ERB663I**Unable to write on ISPF Table output library.**

Explanation

RMF could not write to an ISPF Table output library. The ISPF long message text (ZERRLM) is: *message-text*.

System action

RMF does not save any options changed during the session.

User response

See your RMF system programmer to check the ISPF message text and correct the error. If you changed any options during the session, you must enter those changes again. If you selected another option set or added a new option set during the session, you must add it again. RMF will not save the new option set. If you have not

made changes to the current option set nor added a new option set, restart the session. RMF uses the current option set for the next session.

ERB664I**Unable to allocate parmlib data set.**

Explanation

During automatic customization, RMF failed to dynamically allocate the Input Data Set (parmlib data set) *data set-name*.

System action

RMF uses the standard WFEX options.

User response

Check the Input Data Set on the Session Options panel to see if it is spelled correctly. Examine the return-code *return-code*, error-code *error-code*, and information-code *information-code*.

See *z/OS MVS Programming: Authorized Assembler Services Guide* for a description of these codes.

ERB665I**Data set is not partitioned.**

Explanation

You must specify a partitioned data set for Input Data Set on the Session Options panel.

System action

RMF rejects the option.

User response

Specify a partitioned data set for Input Data Set on the Session Options panel.

ERB666I**Unable to open Output Data Set.**

Explanation

RMF failed to open the data set *data-set-name*, which was needed for hardcopy.

System action

RMF produces no hardcopy output.

User response

Make sure that the specification for Output Data Set on the Session Options panel is correct, that the data set is sequential, and has the following DCB attributes: RECFM=VBA, LRECL=137.

ERB667I**Unable to unallocate parmlib data set.**

Explanation

During automatic customization, RMF failed to unallocate the Input Data Set (parmlib data set).

System action

RMF continues to hold the data set as a shared data set.

User response

Correct the situation described by return code *return-code*, error-code *error-code*, and information-code *information-code*.

See *z/OS MVS Programming: Authorized Assembler Services Guide* for a description of these codes.

ERB668I**Contention data not available due to internal problems**

Explanation

- Within the current report interval, z/OS Data Gatherer was not able to obtain contention data for the resource or service class.
- The recovery routines of z/OS Data Gatherer modules GRBMFCLS or GRBMFEAG encountered an abnormal condition. z/OS Data Gatherer tries to recover and attempts an internal restart of contention data collection. If the problem should persist for more than one interval, z/OS Data Gatherer needs to be stopped and started again if contention data is desired.

System action

- z/OS Data Gatherer waits for the next input.

User response

Press END (PF3) to return to the previous panel.

ERB669I**General information data is not available.**

Explanation

A data gatherer module might have ended due to a permanent error. Valid general information data could not be gathered.

System action

RMF waits for the next input.

User response

Press END (PF3) to return to the previous panel.

ERB670I**User option table not found. Defaults assumed.**

Explanation

RMF tried to get options from the ISPF tables, but the following tables were unavailable:

table-name table-name table-name table-name
table-name table-name table-name table-name

ISPF option tables that save RMF user options across Monitor III sessions are as follows:

- ERBSESU3 - session options
- ERBCOPU3 - graphic options
- ERBROPU3 - report options
- ERBLNGU3 - language options
- ERBWEnnn - workflow/exception options
- ERJBnnn - job name selections
- ERBSYnnn - SYSINFO selections

- ERBGPnnn - WLM group name selections
- ERBGRnnn - GROUP selection and descriptions

The nnn indicates an RMF identifier for the option set in effect for the session.

System action

RMF uses default values for the options in the missing tables.

ERB671I **No options found in user table. Defaults assumed.**

Explanation

RMF attempted to obtain options from the options ISPF tables but found one or more options missing from the following table(s):

table-name table-name table-name table-name
table-name table-name table-name table-name

ISPF option tables that save RMF user options across Monitor III sessions are as follows:

- ERBSESU3 - session options
- ERBCOPU3 - graphic options
- ERBROPU3 - report options
- ERBLNGU3 - language options
- ERBWEnnn - workflow/exception options
- ERBJBnnn - job name selections
- ERBSYnnn - SYSINFO selections
- ERBGRnnn - GROUP selection and descriptions
- ERBGPnnn - WLM group name selections

The nnn indicates an RMF identifier for the option set in effect for the session.

System action

RMF uses default values for all missing options.

ERB672I **Entry report-name WLM mode not found in format table.**

Explanation

You must add any user-defined reports to the report format table (ERBFMTS3), which contains entries for all valid RMF reports. RMF supplies format entries for all Monitor III reports shipped with this release.

System action

RMF rejects the request.

User response

Notify the system programmer responsible for RMF modifications to correct or add the entry to the report format table, or request another report.

ERB673I **Option table in use.**

Explanation

RMF attempted to save the options of the current option set in the options ISPF table but the following tables were already in use:

table-name table-name table-name
table-name table-name table-name

ISPF option tables that save RMF user options across Monitor III sessions are as follows:

- ERBOPXS3 - option set index data
- ERBSESU3 - session options
- ERBCOPU3 - graphic options
- ERBROPU3 - report options
- ERBLNGU3 - language options
- ERBWEnnn - workflow/exception options
- ERBJBnnn - job name selections
- ERBSYnnn - SYSINFO selections
- ERBGRnnn - GROUP selection and descriptions
- ERBGPnnn - WLM group name selections

The nnn indicates an RMF identifier for the option set in effect for the session.

System action

RMF issues user completion code U1411 and lets you request a dump. If you press ENTER on this panel, RMF will try again to save the options in the ISPF format tables.

User response

Check to see which TSO/E application is using the ISPF tables. When the tables are free, press ENTER to save the options in the table.

ERB674I	No active option set found. <i>option-set-name</i> used.
---------	--

Explanation

RMF attempted to get active option set data from the option set index table ERBOPXS3, but found no active option set saved from the previous RMF session.

System action

RMF uses *option-set-name* as the active option set and continues the session.

User response

Ask your RMF system programmer to determine why the data in ERBOPXS3 was changed.

ERB675I	Option set index table not valid.
---------	-----------------------------------

Explanation

RMF attempted to get active option set data from the option set index table ERBOPXS3, but found incorrect option set data in the table saved from the previous RMF session.

System action

RMF creates the ERBOPXS3 table using default options from the INITIAL option set and continues the session with these options.

User response

Ask your RMF system programmer to determine why the data in ERBOPXS3 was changed. (The table was probably changed outside of RMF.)

ERB676I Option values not saved. Table in use.

Explanation

The following option table(s) are in use:

table-name table-name table-name table-name
table-name table-name table-name table-name

ISPF option tables that save RMF user options across Monitor III sessions are as follows:

- ERBOPXS3 - option set index data
- ERBSESU3 - session options
- ERBCOPU3 - graphic options
- ERBROPU3 - report options
- ERBLNGU3 - language options
- ERBWEnnn - workflow/exception options
- ERBJBnnn - job name selections
- ERBSYnnn - SYSINFO selections
- ERBGRnnn - GROUP selection and descriptions
- ERBGPnnn - WLM group name selections

The nnn indicates an RMF identifier for the option set in effect for the session.

System action

RMF ends the session with user completion code U1411 and lets you request a dump.

User response

Check to see which TSO application is using the ISPF tables. If you changed any options during the session or added a new option set, make these changes again when the ISPF tables are free. If you have selected another current option set during the session, RMF will not save the new option set; you must add it again when the tables are free.

ERB678I RMF graphic initialization failed.

Explanation

RMF failed to initialize the Graphical Data Display Manager (GDDM) program. A possible reason might be that the ISPF GDDM interface does not support split screen mode on the display device.

System action

RMF produces only tabular reports.

User response

Do not request graphic reports. Notify your system programmer.

ERB679I**Insufficient level of GDDM.**

Explanation

To produce RMF graphic reports, the Graphical Data Display Manager (GDDM) and the Presentation Graphics Feature (PGF) must be Version 2 Release 1 or later.

System action

RMF produces a tabular version of the requested report.

User response

Contact the system programmer responsible for RMF installation. To produce graphic reports with RMF, you must have Version 2 Release 1 or a subsequent release of the Graphical Data Display Manager (GDDM) program product and the Presentation Graphics Feature (PGF).

ERB680I**Graphic RMF reports are not supported.**

Explanation

You requested an RMF graphic report but the required Graphical Data Display Manager (GDDM) program product and the Presentation Graphics Feature (PGF) are not installed at your installation.

System action

RMF produces a tabular version of the requested report.

User response

Contact the system programmer responsible for RMF installation. In order to produce graphic reports with RMF, you must have Version 2 Release 1 or a subsequent release of the Graphical Data Display Manager (GDDM) program product and the Presentation Graphics Feature (PGF).

ERB681I**Graphics cannot be shown.**

Explanation

You requested an RMF graphic report but the device or its configuration might have prevented the graphics function from producing the report.

System action

RMF produces a tabular version of the requested report.

User response

Issue the request from a terminal that supports graphic reports, has been properly configured for graphics, or use the tabular version of the reports on your terminal.

ERB682I**Error number *code* in GDDM function *function***

Explanation

You requested a graphic report, but RMF *module-name* ended with user abend U1412 when it attempted to call the Graphical Data Display Manager (GDDM) function *function-name*.

The GDDM error message text is:

message-text

System action

RMF issues user abend U1412. You can request a dump.

Graphic reports are no longer available for this session.

User response

Notify the system programmer responsible for GDDM installation to correct the error.

ERB683I **GDDM error. Graphic reports are not available.**

Explanation

Graphic reports are not available for the current session.

Your previous request for a graphic report ended with abend U1412 when RMF attempted to call the Graphical Data Display Manager (GDDM).

System action

RMF produces a tabular version of the requested report.

User response

Do not request any graphic reports. Notify the system programmer responsible for installing GDDM.

ERB684I **Graphic version of this report is not available.**

Explanation

You requested a graphic version of a report which does not provide a graphic version.

System action

RMF displays the tabular version of the report, but stays in graphic mode.

User response

None.

ERB686I **Report *report-name* not found in graphic parameter table.**

Explanation

RMF found no data in the RMF graphic report parameter table ERBPTGS3, which contains parameters for each available graphic report. The table is supplied with RMF. Incorrect data might be the result of user modifications.

System action

RMF displays an empty graphic report.

User response

If you requested a user-defined report, notify the system programmer responsible for RMF user modifications. If you requested an RMF report, determine why the parameter table contains data different from that supplied by RMF. The data was probably changed outside of RMF.

ERB687I**Parameter *parameter-name* contains no valid data.****Explanation**

RMF found incorrect data in field *parameter-name* within the RMF graphic report parameter table ERBPTGS3. The incorrect data is *data*.

System action

RMF displays an empty graphic report.

User response

If you requested a user-defined report, notify the system programmer responsible for RMF user modifications.

If you requested an RMF report, determine why the parameter field contains data different from that supplied by RMF.

ERB688I**Column *column-number* not usable for graphic display.****Explanation**

Graphic reports display only numeric data. RMF found a column in the RMF data table for the requested report that contains no numeric data. The column is specified in the RMF graphic report parameter table ERBPTGS3. The incorrect data is *data*.

Each RMF report has a corresponding RMF data table that contains measurement data. User modifications to a data table for an RMF report can result in incorrect data.

System action

RMF displays an empty graphic report.

User response

Contact your RMF system programmer.

ERB689I**GDDM user abend *abend-code* occurred.****Explanation**

When module *module-name* called the Graphical Data Display Manager (GDDM), GDDM ended with user abend *abend-code* and reason code *reason-code*. *module-name* terminates with user abend U1412.

System action

RMF issues user abend U1412. You can request a dump. Graphic reports are no longer available for this session.

User response

Notify the system programmer responsible for RMF/GDDM installation.

ERB690I**Enter required field at the cursor position.****Explanation**

You must supply a valid value for the field.

System action

RMF waits for the correct input.

User response

Enter a valid field value.

ERB691I	Only one option set can be selected.
----------------	---

Explanation

You selected more than one option set by entering an "s" in the Action column.

System action

RMF waits for the correct input.

User response

Choose one option set and make it the current option set.

ERB692I	ENQ failed.
----------------	--------------------

Explanation

RMF tried to open one or more ISPF tables, but the following tables are already in use:

- table-name*
- table-name*
- table-name*
- table-name*
- table-name*
- table-name*

ISPF option tables that save RMF user options across Monitor III sessions are as follows:

- ERBOPXS3 - option set index data
- ERBSESU3 - session options
- ERBCOPU3 - graphic options
- ERBROPU3 - report options
- ERBLNGU3 - language options
- ERBWXnnn - workflow/exception options
- ERBJBnnn - job name selections
- ERBSYnnn - SYSINFO selections
- ERBGRnnn - GROUP selection and descriptions
- ERBGPnnn - WLM group name selections

The nnn indicates an RMF identifier for the option set in effect for the session.

System action

RMF issues user abend U1411, displays this message, and lets you request a dump.

User response

To end the RMF session, press ENTER on message panel ERB551I where the message text appears. Verify who is using the ISPF tables. If these tables are free, start the session again.

ERB693I **ICU command failed.**

Explanation

An error occurred when you tried to use the Interactive Chart Utility (ICU) to print a graphic report

System action

RMF continues the session.

User response

Contact your system programmer.

ERB694I **Error number *number* in GDDM/ICU function *function*.**

Explanation

An error occurred when you tried to use the Graphical Data Display Manager (GDDM) and the Interactive Chart Utility (ICU).

System action

RMF continues the session but does not print the report.

User response

Contact your system programmer.

ERB695I **Enter one of the listed values.**

Explanation

Your input to this field is not one of the listed values on the panel.

System action

RMF waits for the next command or correct input.

User response

Select one of the listed values.

ERB700I **Report *report-name* WLM mode added to the tables.**

Explanation

The report definition utility (ERB3RDUT) has added your new RMF report to the following tables:

- Phase driver table ERBPHDS3 - contains control data to produce the report.
- Report format table ERBFMTS3 - contains layout definitions for the new report.
- Graphic parameter table ERBPTGS3 - contains graphic display parameters for the new report.

ERB701I **Report *report-name* WLM mode already exists.**

Explanation

You tried to define a report using the report definition utility (ERB3RDUT), but a report with the same name already exists.

System action

RMF rejects the request.

Programmer response

If you are trying to create a new report, use a different name. Check the RMF phase driver tables for existing and user-defined report names.

ERB702I	Report <i>report-name</i> WLM mode to be created has no output phase.
----------------	--

Explanation

When you created report *report-name*, you did not specify any phase 3 (output) information or you have specified GRAPHIC for Report Mode.

System action

RMF adds your report to the ERBPHDS3 table but will not display this report when you invoke it.

ERB704I	Placeholder sequence numbers are not unique.
----------------	---

Explanation

You defined placeholder numbers that are not unique in one of the following areas:

- Report header
- Tabular report subheader
- Tabular report column

When defining report formats, you must identify each unique variable with a unique number. A placeholder for each variable you want to define in the report header lines appears at the top of the panel. You define a variable to correspond to each placeholder in the header, and enter a unique number for each variable.

Numbers must be sequential. If you define three placeholders in the heading, you must enter 1 for first variable, 2 for the second, and 3 for the third.

Programmer response

For each variable you define, you must enter a unique number that corresponds to each placeholder used in the heading.

ERB705I	Report <i>report-name</i> WLM mode does not exist.
----------------	---

Explanation

You cannot modify a report that does not exist.

Programmer response

If you want to create a new report, enter CREATE for ACTION on this panel. If you want to modify an existing report, verify the report name, correct it on the panel, and enter MODIFY.

ERB706I	Report <i>report-name</i> WLM mode does not exist.
----------------	---

Explanation

The report you tried to delete does not exist.

Programmer response

Enter the correct report name, or press END (PF3) to leave the panel.

ERB707I	Report <i>report-name</i> WLM mode has been deleted.
----------------	---

System action

The report definition for the report is deleted from the phase driver table (ERBPHDS3), report format table (ERBFMTS3), and graphic parameter table (ERBPTGS3).

ERB708I	Report <i>report-name</i> WLM mode has been modified.
----------------	--

System action

RMF has modified your report and stored the changes in the phase driver table (ERBPHDS3), report format table (ERBFMTS3), and graphic parameter table (ERBPTGS3).

ERB709I	Report <i>report-name</i> WLM mode to be modified has no output phase.
----------------	---

Explanation

When you modified the report, you did not specify any phase 3 (output) information or you specified GRAPHIC for REPORT MODE.

System action

RMF has modified your report, and stored the changes in the phase driver table ERBPHDS3 but will not display the report when you invoke it.

ERB711I	Too few placeholder replacements specified.
----------------	--

Explanation

You specified fewer numbers for variables than you have placeholders in one of the following areas:

- Report header
- Tabular report subheader
- Tabular report column

For each variable you define, you must enter a unique number that corresponds to each placeholder used in the heading.

Programmer response

Be sure you have a one-to-one correspondence between variables and placeholders.

ERB712I	Too many placeholder replacements specified.
----------------	---

Explanation

You specified more numbers for variables than you have placeholders in one of the following areas:

- Report header
- Tabular report subheader
- Tabular report column

For each variable you define, you must enter a unique number that corresponds to each placeholder used in the heading.

Programmer response

Be sure you have a one-to-one correspondence between variables and placeholders.

ERB713I Placeholder sequence numbers are not contiguous.

Explanation

You tried to specify placeholder numbers for variables in one of the following areas:

- Report header
- Tabular report subheader
- Tabular report column

The numbers you enter for variable names must be sequential and correspond to the order in which each placeholder appears in the report header.

User response

Be sure that each number for a variable corresponds to a placeholder and that the numbers are in correct numeric sequence (1 for the first, 2 for the second, and so on).

ERB714I Table *table-name* does not exist.

Explanation

The report definition utility (ERB3RDUT) requires the following tables:

- ERBFMTS3 - report layout definitions
- ERBPHDS3 - phase driver definitions
- ERBPTGS3 - graphic report parameters

These tables must all be available before you start ERB3RDUT.

System action

RMF terminates the report definition utility (ERB3RDUT).

Programmer response

Verify that all of the RMF supplied ISPF tables are installed.

ERB715I Table *table-name* is in use.

Explanation

The report definition utility (ERB3RDUT) requires the following tables:

- ERBFMTS3 - report layout definitions
- ERBPHDS3 - phase driver definitions
- ERBPTGS3 - graphic report parameters

These tables are included with the RMF installation material, and must be available before you start ERB3RDUT.

ERB3RDUT attempted to open ISPF table *table-name*, but another TSO/E application is using the table.

System action

RMF terminates the report definition utility (ERB3RDUT).

Programmer response

Determine who is holding the ISPF table *table-name*. When the table is free, you can re-start the report definition utility.

ERB716I	No ISPF table input library found.
----------------	---

Explanation

The report definition utility (ERB3RDUT) attempted to open ISPF table *table-name*, but the ISPF library was not allocated.

System action

RMF terminates the report definition utility (ERB3RDUT).

Programmer response

Determine why the ISPF table input library is not allocated.

Allocate the ISPF table input library (ddname = ISPTLIB).

ERB717I	Table <i>table-name</i> cannot be opened.
----------------	--

Explanation

The report definition utility (ERB3RDUT) requires the following tables:

- ERBFMTS3 - report layout definitions
- ERBPHDS3 - phase driver definitions
- ERBPTGS3 - graphic report parameters

These tables are included with the RMF installation material, and all must be available before you start ERB3RDUT.

ERB3RDUT attempted to open ISPF table *table-name*, but a severe error occurred.

System action

RMF terminates the report definition utility (ERB3RDUT).

Programmer response

Verify that the ISPF table input library (ddname = ISPTLIB) and the ISPF table output library (ddname = ISPTABL) are correct. Notify the programmer who is responsible for the RMF installation to verify the installation of RMF supplied ISPF panel.

ERB720I	Prototype <i>report-name</i>WLM mode does not exist.
----------------	---

Programmer response

Specify either the name of an existing report definition as a prototype, or leave blank.

ERB721I	No ISPF table output library found.
----------------	--

Explanation

The report definition utility ERB3RDUT failed to open the ISPF output library because ddname=ISPTABL was not allocated.

System action

RMF terminates the report definition utility (ERB3RDUT).

Programmer response

Determine why an ISPF table output library was not allocated, and allocate this library (ddname=ISPTABL).

ERB722I Table *table-name* cannot be closed.

Explanation

A severe error occurred when the report definition utility (ERB3RDUT) tried to close the ISPF table:*table-name*. You need the following tables to hold the report definition data:

- ERBFMTS3 - report layout definition
- ERBPHDS3 - phase driver definitions
- ERBPTGS3 - parameters for graphic reports

System action

RMF terminates the report definition utility (ERB3RDUT).

Programmer response

Verify that the ISPF table output library (ddname=ISPTABL) and all ISPF tables are present and correct.

ERB723I ACTION must be: MODIFY, CREATE, or DELETE.

Explanation

You specified an incorrect ACTION value.

Programmer response

Enter a valid value for ACTION and press ENTER. Valid values are:

- MODIFY - to modify an existing report
- CREATE - to create a new report
- DELETE - to delete a user-defined report

ERB724I Input is not a valid name or blank.

Explanation

You entered an incorrect name for one of the fields on the panel.

Programmer response

Enter a valid name for the field or leave blank.

ERB726I This command is not allowed.

Explanation

You entered a command that RMF does not allow or recognize on this screen.

System action

The report utility rejects your command.

Programmer response

Remove your command, and enter END (PF3) to leave the screen or CANCEL to cancel all of your previous changes.

ERB727I	Blank selection is not allowed.
----------------	--

Explanation

You must enter a valid selection for the selection field.

ERB728I	Phase 1 is mandatory.
----------------	------------------------------

Explanation

For PHASE 1 SELECTION STRING, you must enter a program selection or CLIST. Valid program selections must be in the phase driver table (ERBPHDS3).

User response

Contact your system programmer.

Programmer response

Enter a valid program selection string or CLIST; make sure that your program selection is contained in ERBPHDS3.

ERB729I	Selection string is not allowed.
----------------	---

Explanation

You entered an incorrect selection for PHASE 1 SELECTION STRING. The format of your selection string might be in error. Valid program names for RMF reports are contained in the phase driver table (ERBPHDS3).

User response

Contact your system programmer.

Programmer response

Check the selection string format on the phase driver information panel, and correct the error.

ERB730I	Parameter string is not valid.
----------------	---------------------------------------

Explanation

You entered an incorrect PARM for PHASE 1, PHASE 2, PHASE 3, or PHASE 4 SELECTION STRING. Valid values for PARM for RMF reports are contained in the phase driver table (ERBPHDS3).

User response

Contact your system programmer.

Programmer response

Check the selection string format on the phase driver information panel, and correct the error.

ERB731I	Table name is not valid.
----------------	---------------------------------

Explanation

You entered an incorrect Table Name. Table Name contains the name of the ISPF table that RMF generates for the report specified for PHASE 1 SELECTION STRING. Valid table names for RMF reports are contained in the phase driver table (ERBPHDS3).

User response

Contact your system programmer.

Programmer response

Check the selection string format on the phase driver information panel, and correct the error.

ERB732I	REPORT MODE must be: TABULAR, GRAPHIC, or BOTH.
----------------	--

Explanation

You entered an incorrect option for REPORT MODE.

Programmer response

Enter a valid option.

ERB733I	Input must be numeric or blank.
----------------	--

Explanation

You must specify a number next to each variable name or leave a blank.

ERB734I	Enter required field.
----------------	------------------------------

Explanation

You must specify the name of a variable to replace each placeholder that you use on the report header layout and subheader layout panels.

ERB735I	Specify a numeric value from 0 to 3 inclusive.
----------------	---

Explanation

You specified a value outside of the valid range for SELECTION RULE. SELECTION RULE controls the use of bars in the graphic definition of a report.

Programmer response

Specify a valid value. Valid values are:

- 0** One bar corresponds to one line
- 1** One bar corresponds to one line with sequence number of 1
- 2** One bar corresponds to the summary of logical lines

Two bar-types result from all logical lines of a logical block.

ERB736I

Specify a numeric value from 4 to 32 inclusive.

Explanation

You specified a value outside of the valid range for LEGEND ID. Specifying LEGEND ID controls the color, pattern and text of the graphic chart legend. Each number must correspond to an ID on the second panel of the color graphic options specified during an RMF report session.

Programmer response

Specify a value in the range shown.

ERB737I

Specify a numeric value from 0 to 2 inclusive.

Explanation

You specified a value outside of the valid range for BARTYPE ID. Specifying BARTYPE ID controls how data appears in bar graphs on the graphic version of the report.

Programmer response

Specify a valid value for BARTYPE ID. Valid values are:

- 0 - Data value occurs in both bartype 1 and 2
- 1 - Data value occurs in bartype 1
- 2 - Data value occurs in bartype 2

ERB738I

The only allowed value is 1.

Explanation

On a previous panel, you have specified only one bar-type to indicate where data values are to appear in the graphic version of the report. As a result, you must specify bar-type 1 on this panel.

Programmer response

Specify 1 for bar-type.

ERB739I

Input is not a valid name.

Explanation

The specified field must be a valid ISPF variable name.

ERB740I

Input must be numeric.

Explanation

The specified field must contain a numeric value.

Programmer response

Specify a numeric value.

ERB741I

Deletion of a standard RMF report is not allowed.

Explanation

You tried to delete an existing RMF report. You can only delete user-created reports.

Programmer response

If you want to modify an existing report, use MODIFY.

ERB742I Press END to return.

Explanation

You created or modified a report.

Programmer response

Press END (PF3); RMF displays the SAVE CANCEL panel. You can exit from this panel.

ERB743I Display panel not found.Report can't be displayed.

Explanation

You tried to display a tabular report that you modified or created, but the panel for the display of the report does not exist.

When you modify or create a report using the report definition utility (ERB3RDUT), you must provide PANEL NAME for a tabular version of the report on the report format definition panel (ERB3RD3).

ERB744I Only TABULAR mode exists for this type of report.

Explanation

You have selected a report as prototype that supports tabular mode only.

Programmer response

Enter TABULAR for REPORT MODE or use another report prototype.

ERB745I Criterion name not allowed with Class *class-name* and Indicator *indicator*.

Explanation

You specified any of the following criteria names with the Indicator EX-ANY or EX-GROUP:

- AT
- QT
- RT

These exceptions are available only for groups. Indicators EX-ANY and EX-GROUP cannot be specified with the listed criteria names.

System action

RMF rejects the specified criterion name.

User response

Change the Indicator to EX-AVG or WF, and press ENTER.

ERB746I Threshold must represent a time value.

Explanation

You specified a threshold value that does not represent a time value. Threshold values can be specified in seconds, minutes, or hours using the following rules:

- Seconds - any fractional number from .001 to 9999 inclusive, or any fractional number (maximum 3 characters) followed by S. For example you can use .001, .02S, 1.5S, 180S, or 9999.
- Minutes - an integer from 1 to 999 inclusive, followed by M. For example you can use 4M, 111M, or 23M.
- Hours - an integer from 1 to 100 inclusive, followed by H. For example you can use 2H, 23H, or 100H.

If you specify a value without S, M, or H, RMF uses seconds.

System action

RMF rejects the specified threshold value.

User response

Specify a valid time value, and press ENTER.

ERB750I **No volume(s) selected.**

Explanation

You did not specify a volume on the Definition of UNAVAIL panel. For Class DEV and Indicator EX-UNAVAIL, you must specify at least one volume to define a valid exception.

System action

RMF rejects your request.

User response

You can do one of the following:

- To exit the panel without selecting a volume, enter CANCEL on the command line.
- Select at least one volume by typing an S in the A column next to the volume.

ERB751I **Action code must be: R, Y or T.**

Explanation

You entered an incorrect Action code on the Definition of UNAVAIL panel for job or device exceptions.

System action

RMF does not execute your code.

User response

You can either:

- Enter one of the following valid action codes:
 - R for red
 - Y for yellow
 - T for turquoise
- Blank out the incorrect action code.

ERB752I **No jobname(s) selected.**

Explanation

You did not specify a job name on the Definition of UNAVAIL panel. For Class JOB and Indicator EX-UNAVAIL, you must specify at least one job name to define a valid exception.

System action

RMF rejects your request.

User response

You can either:

- Enter CANCEL on the command line to exit the panel without selecting a job name.
- Select at least one job name by typing an S in the A column next to the job name.

ERB753I**Criteria do not match Class *class* and Indicator *indicator*.**

Explanation

While initializing Monitor III or switching an option set, RMF found criteria that are not allowed for the specified Class and Indicator on the Workflow/Exceptions (WFEX) report options panels.

System action

RMF uses the standard WFEX options and continues the session.

User response

You can either:

- Continue with the standard WFEX options.
- Modify an option set on the Option Set Selection panel and make sure you specify valid criteria for each Class and Indicator.

ERB754I**Please select seven or fewer items.**

Explanation

You selected more than seven criteria names on a Criteria Name Selection panel.

System action

RMF rejects your requests.

User response

Select seven or fewer exception criteria names.

ERB755I**Selection character must be S or left blank.**

Explanation

You specified an incorrect character in the S column on a Criteria Name Selection panel.

System action

RMF rejects your request.

User response

You can either:

- Enter an S in the S column on the Criteria Name Selection panel next to the name you are interested in.
- Blank out the field in the S column.

ERB756I**Criterion name required for Indicator *indicator***

Explanation

You must specify at least one exception criterion name for the current Indicator. Exception criteria are required for Indicators EX-ANY, EX-AVG, and EX-GROUP.

System action

RMF ignores your command and displays the Definition and Criteria panel.

User response

Specify at least one criterion name in one of the Criteria Sets. To display a selection panel for exception criteria, place the cursor on a blank Name field and press ENTER.

ERB757I**Threshold required.**

Explanation

You must specify a valid threshold value in the Yel and Red columns in the Criteria Set.

System action

RMF displays the Definition and Criteria panel.

User response

Supply a valid threshold value in the Yel and Red columns. You can specify zero or any positive integer with or without a decimal point.

ERB758I**Incorrect job name.**

Explanation

You specified an incorrect job name for Qualifier.

System action

RMF re-displays the option panel.

User response

Enter a valid job name in the Qualifier field. Job names must be from 1 to 8 characters long, and consist of:

- Letters A-Z,
- Special characters @, #, or \$. The only exception is *MASTER*, which is a valid job name for RMF.
- Numbers 0-9; however, the first character of a job name cannot be a number.

ERB759I**Incorrect VOLSER.**

Explanation

You have specified an incorrect volume serial number (VOLSER) for Qualifier on the Definition and Criteria panel.

System action

RMF rejects the incorrect Qualifier.

User response

For Qualifier, you can either:

- Enter a valid VOLSER. Volume serial numbers must be from 1 to 6 characters long, and consist of:
 - Letters A-Z
 - Special characters @ - # \$) , . / ' () * & + - =
 - Numbers 0-9

See *z/OS MVS JCL Reference* for the correct syntax of a volume serial number.

- Enter ALL.

ERB760I**Incorrect Class.**

Explanation

You specified a class that is incorrect.

System action

RMF rejects your selection.

User response

Supply a valid Class. Valid classes are:

- SYSTEM for all jobs in the system
- TSO for all TSO/E users
- BATCH for batch jobs
- STC for all started tasks
- JOB for single job by name
- PROC for processor
- DEV for direct access storage device
- STOR for storage
- ASCH for advanced program-to-program communications (APPC/MVS) transaction scheduler (ASCH)
- OMVS for OMVS address spaces
- SRVCLS for service classes

ERB761I**Threshold must be 0 or a positive integer.**

Explanation

You specified an incorrect threshold value in the Yel and Red columns on the Definition and Criteria panel.

System action

RMF displays the Definition and Criteria panel.

User response

Specify 0 or a positive integer with or without a decimal point for Yel or Red on the Definition and Criteria panel.

ERB762I**Indicator must be: WF, EX-ANY, EX-AVG, EX-GROUP, or EX-UNAVAIL.**

Explanation

You specified an incorrect Indicator.

System action

RMF rejects your selection.

User response

You can either:

- Specify a valid Indicator. Valid Indicators are:
 - WF
 - EX-ANY
 - EX-AVG
 - EX-GROUP
 - EX-UNAVAIL
- Blank out Indicator to get the default value for the current class.

ERB763I**Alert must be: BLINK, BEEP, BOTH, or NONE.**

Explanation

You specified an incorrect Alert value.

System action

RMF rejects your selection.

User response

You can either:

- Supply a valid Alert value. Valid values are:
 - BLINK -- the workflow indicator or the exception line blinks.
 - BEEP -- your workstation beeps.
 - BOTH -- your workstation beeps and the workflow indicator or the exception line blinks.
 - NONE -- no alerting signal.
- Blank out Alert to get the default.

ERB764I**No Qualifier allowed for Class *class*.**

Explanation

You specified a Qualifier when one was not allowed for the Class. Qualifier is NOT allowed for the following classes:

- ASCH
- OMVS

- PROC
- STC
- STOR
- SYSTEM
- TSO

System action

RMF rejects your selection.

User response

Blank out the Qualifier field.

ERB765I Qualifier required for Class *class-name*.

Explanation

You did not specify a Qualifier for the Class. Qualifier is required for BATCH and SRVCLS.

System action

RMF rejects your selection.

User response

Specify a Qualifier for the Class.

ERB766I Incorrect job class.

Explanation

You specified an incorrect job class qualifier. For Class BATCH, Qualifier must be a valid job class.

System action

RMF rejects your selection.

User response

Supply a valid job class on the command line. A valid job class is any string containing up to 8 characters.

ERB767I Specified Indicator not allowed with Class *class-name*.

Explanation

You specified an incorrect Indicator for the current Class.

System action

RMF rejects your selection.

User response

You can either:

- Supply an indicator for the current class.

- For Class SYSTEM, TSO, BATCH, STC, DMN, ASCH, OMVS, SRVCLS and PG, Indicator can be WF, EX-ANY, EX-AVG, or EX-GROUP.
- For Class JOB, Indicator can be WF, EX-ANY, EX-AVG, or EX-UNAVAIL.
- For Class PROC, Indicator can be WF or EX-AVG.
- For Class STOR, Indicator is EX-AVG.
- For Class DEV, Indicator can be WF, EX-ANY, EX-AVG, EX-GROUP, or EX-UNAVAIL.
- Blank out the Indicator to get the default value for the current Class.

ERB768I**Qualifier required for Class *class* and Indicator *indicator*.**

Explanation

You did not specify a Qualifier for the current Class and Indicator combination.

System action

RMF rejects your selection and displays the Definition and Criteria panel.

User response

Supply a Qualifier for the current class and indicator. A Qualifier is required:

- If Class is JOB and Indicator is EX-ANY or WF.
- If Class is DEV and Indicator is EX-ANY, EX-AVG, EX-GROUP, or WF.

ERB769I**No Qualifier allowed for Class *class* and Indicator *indicator*.**

Explanation

You specified a Qualifier, but one is not allowed for the current Class and Indicator combination. Qualifier is NOT allowed for:

- Class JOB with Indicator EX-UNAVAIL.
- Class DEV with Indicator EX-UNAVAIL.

System action

RMF rejects the option.

User response

Blank out Qualifier.

ERB770I**Class required.**

Explanation

You must specify a Class.

System action

RMF rejects the option.

User response

Supply a valid Class. Valid classes are:

- SYSTEM for all jobs in the system

- TSO for all TSO/E users
- BATCH for batch jobs
- STC for all started tasks
- JOB for single job by name
- PROC for processor
- DEV for direct access storage device
- STOR for storage
- ASCH for advanced program-to-program communications (APPC/MVS) transaction scheduler (ASCH)
- OMVS for OMVS address spaces
- SRVCLS for service classes

ERB771I **Criterion name required.**

Explanation

If you specify either a comparison operator (<>) or a threshold value (Yel and Red) in a Criteria Set, you must specify a Name.

System action

RMF rejects the option.

User response

You can either:

- Supply a Name. To display a selection panel for criterion names, place the cursor on a blank Name field and press ENTER.
- Blank out either the comparison operator (<>) or the threshold value (Yel and Red).

ERB772I **Incorrect criterion name.**

Explanation

You specified an incorrect value for Name in the Criteria Set.

System action

RMF rejects the option.

User response

Supply a valid Name for the Criteria Set. To display a selection panel for criterion names, place the cursor on a blank Name field and press ENTER.

ERB773I **Specified criterion name not allowed with Class *class*.**

Explanation

You specified a Name that is not allowed with the current Class.

System action

RMF rejects the option.

User response

Specify 0 or a positive number <= 2M in the Yel and Red field on the Definition and Criteria panel.

ERB779I**Duplicate criterion name.**

Explanation

You entered the same Name twice in a Criteria Set. You cannot enter a name more than once in a Criteria Set.

System action

RMF rejects your request.

User response

Delete one of the duplicate Name entries.

ERB780I**Automatic customization of WFEX report deactivated.**

Explanation

You selected an option set on the Option Set Selection panel that does not match the data that are currently reported.

System action

RMF turns customization off and continues the session.

User response

You can either:

- Continue the session with the current option set.
- Re-activate automatic customization by making the option set listed under Recommended Option Set on the Option Set Selection panel current.

ERB781I**Warning - option set selected does not match data.**

Explanation

You selected an option set on the Option Set Selection panel that does not match the current data.

System action

RMF deactivates automatic customization and continues the session with the selected option set.

User response

You can either:

- Select the recommended option set. RMF then activates automatic customization again.
- Continue the session with the selected option set without automatic customization.

ERB782I**Warning - report option may not match data.**

Explanation

You chose an option set whose name and system ID do not match the name and system ID of the system you are running the display session on.

If you ran the data gatherer on a different system than the one you are running this display session on, you must specify the parmlib data set containing the installation performance specifications (IPS) from that other system under Input Data Set.

System action

If you do not specify the parmlib data set from the system that you ran the data gatherer session on, RMF selects an option set with the same system ID as the system that you are running the display session on. RMF continues the session and displays the report option panel.

User response

You can either:

- Specify the Input Data Set on the Session Options panel.
RMF then creates or selects an option set from the Input Data Set for you.
- Continue the session with the recommended option set.

ERB783I **Switched to option set *option set* on *system*.**

Explanation

The IPS-member name or the service class name, and the system ID of the data do not match the system ID and name of the Current Option Set. Customization was active.

System action

RMF either creates an option set or selects an existing option set that matches the IPS-member name or the service class name, and system ID of the data, and continues the session.

User response

None.

ERB784I **Report option set could not be generated automatically.**

Explanation

For automatic customization, you specified an Input Data Set on the Session Options panel from the system you ran the RMF data gatherer session on, but one of the following has occurred:

- RMF could not find the option set member in the data set.
- RMF could not find a valid option set member in the data set.
- An input/output (I/O) error occurred when RMF read in the data set.

System action

RMF creates a new option set and continues the session.

ERB785I **Reset command failed. Matching *variable* not available.**

Explanation

You issued the RESET command, on the WFEX option panel while automatic customization was active, and one of the following has occurred:

- RMF cannot find the IPS-member in the Input Data Set.
- RMF found an error in the IPS-member on the Input Data Set.

System action

RMF ignores the RESET command and keeps the current WFEX options unchanged.

User response

Make sure you spelled the name of the Input Data Set correctly on the Session Options panel. If it is spelled correctly, check that the IPS parmlib member is in the Input Data Set. If it is not in the Input Data Set, notify your system programmer.

If the member is there, and RMF has found an error in the IPS-member on the Input Data Set, notify your system programmer.

ERB786I**You are not authorized to read parmlib data set.**

Explanation

You issued the RESET command on the WFEX option panel while automatic customization was active. You do not have read access to the parmlib data set *data-set-name* listed as Input Data Set on the Session Options panel.

System action

RMF ignores the RESET command and keeps the current WFEX options unchanged.

User response

To get read access to the Input Data Set, notify your system programmer.

ERB787I**New WFEX options not created from *option set* Defaults assumed.**

Explanation

Running Monitor III with automatic customization set on, the reporter came across an IPS-member change. An attempt was made to switch option sets, but the corresponding option set did not exist. RMF attempted to create one automatically, and tried to read the corresponding IPS-member, but one of the following occurred:

- An input/output (I/O) error occurred when RMF read in the Input Data Set.
- RMF could not find the option set member from the Input Data Set.
- The option set is either empty, or contains incorrect parameters.

System action

RMF creates a new option set and continues the session with the standard Workflow/Exceptions report options.

User response

You can either:

- Continue the session with the standard WFEX options.
- If you want to continue the session with the options created by automatic customization, notify your system programmer to provide a valid IPS-member in the Input Data Set.

When a valid IPS-member is available, you can re-customize the WFEX options by issuing the RESET command on the WFEX options panel while automatic customization is active.

Or you can delete the option set created with the standard options on the Option Set Selection panel.

When RMF retrieves data with the same IPS name and system ID, automatic customization will create the option set for you.

ERB790I**Selection code must be: S or ' '.**

Explanation

You entered a selection code that was not valid.

System action

RMF rejects your request.

User response

You can either enter "S" in the selection column, or you can leave the selection column blank.

ERB792I Specify a valid group name.

Explanation

You did not specify a valid group name.

System action

If the message is displayed on the GROUP Response Time report, RMF displays the report with only empty header information. The rest of the report is blank.

If the message is displayed on the GROUP Reports Options panel, RMF re-displays the panel.

User response

Specify a valid group name.

ERB793I Valid data is not available for some report fields.

Explanation

RMF did not gather valid data for the calculation of some report fields.

System action

RMF displays zeroes in those report fields that cannot be calculated due to incomplete data.

User response

None.

ERB794I GROUP *group-name* is not currently defined in the system.

Explanation

RMF did not find the specified group (service class, service class period, report class, or report class period) in the system.

System action

If the message is displayed on the GROUP Response Time report, RMF displays the report with only empty header information. The rest of the report is blank.

User response

Specify a group name that is defined in the system. You can use the GROUP Reports Options panel to view a list of valid group names.

ERB796I Active SLIP PER trap may reduce system performance.

Explanation

A SLIP PER trap is active in your system.

System action

None.

System programmer response

Use the Exceptions section of the WFE report to identify the ID of the SLIP PER trap. The ID is listed under Possible cause or action for the exception with the name *SLIP*. You can then use the following console command to further investigate the SLIP PER trap:

```
DISPLAY SLIP=xxxx
```

where **xxxx** is the ID of the SLIP PER trap.

ERB797I

Previous description text was: *description-text*

Explanation

You specified a group in the fill-in field that was already listed as an available group.

System action

The new description text replaces the previous text.

User response

None.

ERB802I

***sid:* MONITOR III DATA SET SUPPORT INITIALIZATION FAILED**

Explanation

The data set support subtask was attached, but an initialization error occurred.

System action

The system ends the data set support subtask.

Operator response

Follow the actions specified in the message that precedes ERB802I.

ERB803I

***sid:* MONITOR III DATA SET SUPPORT TERMINATED**

Explanation

The data set support subtask ends, and RMF issues this message for both normal and abnormal ending. RMF Monitor III may also issue this message during an internal restart, for example, due to a local time change.

System action

The system detaches the data set support subtask.

Operator response

None, if the message occurs during normal termination or as result of an internal restart.

Explanation

The data gatherer reuses the samples buffer faster than the data set support can write samples to the disk. *nnnnnnnn* contains the number of samples that have not been recorded during the data set support session.

System action

The Monitor III data gatherer wrote over the samples that the system did not record. (1) A data set support performance problem exists or (2) the wraparound storage (WSTOR value) for the Monitor III data gatherer is too small, causing the data to wrap too fast.

Operator response

You can do one of the following:

- Reroute the data sets to a different channel/volume.
- Increase the region size for the Monitor III gatherer.
- Increase the WSTOR option value.

Explanation

- The data set support error recovery routine GRB3GESV gained control due to a program check or a user abend. For a further explanation of the user completion code (*Ucde*), see Chapter 5, “User completion codes,” on page 275. For the system completion code (*Scde*), see *z/OS MVS System Codes*.

System action

The system ends the data set support subtask.

System programmer response

If the user completion code is U500, the abnormal ending is a result of a VSAM error in connection with a GENCB, MODCB or SHOWCB macro.

Explanation

- The data set support error recovery routine GRB3GESV gained control due to a program check or a user abend. However, error recovery cannot proceed normally because either a retry is not possible, or the error is recursive. For a further explanation of the user completion code (*Ucde*), refer to Chapter 5, “User completion codes,” on page 275. For the system completion code (*Scde*), see *z/OS MVS System Codes*.

System action

The system ends the data set support subtask.

Operator response

Follow the actions specified in the message that preceded ERB810I.

System programmer response

Contact your IBM Support Center.

ERB811I

***sid:* MONITOR III DATA SET SUPPORT FOR SERVICE POLICY
TERMINATED.**

Explanation

Too many consecutive errors occurred while trying to copy a service policy to the current active VSAM data set. Policies are no longer written to the data set.

System action

A dump is taken. The Monitor III gatherer continues processing. Data set support remains active.

System programmer response

Restart the Monitor III gatherer.

ERB812I

***sid:* MONITOR III DATA RECORDING INTO DATA SET *dsname* STOPPED**

Explanation

Data set support issues this message indicating the current data set before switching the recording of data to another data set. This message is followed by message ERB813I.

System action

None.

System programmer response

None.

ERB813I

sid:* ACTIVE MONITOR III DATA SET IS NOW *dsname

Explanation

Data set support issues this message indicating the active data set *dsname* after one of the following situations occurred:

- Data set support start.
- Data set support modification.

System action

Data set support continues.

Operator response

None.

System programmer response

None.

ERB816I

***sid:* MONITOR III DATA SET SUPPORT VSAM ERROR DURING {OPEN|
CLOSE} ON *dsname* RETURN CODE *rc* REASON CODE *rsnc***

Explanation

A VSAM error occurred during the open or close of *dsname*.

System action

One of the following system actions may occur:

- If the Monitor III gatherer issues this message at initialization or modification time, the data set is unusable, but the session continues.
- If the Monitor III gatherer issues this message for a selected data set, data set recording ends.

Operator response

Check the return code *rc* in connection with the reason code *rsnc* for the VSAM error. See *z/OS DFSMS Macro Instructions for Data Sets* for an explanation of the return codes.

ERB818I	<i>sid</i>: MONITOR III DATA SET SUPPORT DYNAMIC ALLOCATION/ UNALLOCATION ERROR ON DATASET <i>dsname</i> RETURN CODE <i>rc</i> ERROR CODE <i>eeee</i> INFORMATION CODE <i>iiii</i>
----------------	---

Explanation

An attempt to allocate or unallocate the Monitor III data set *dsname* failed.

System action

One of the following system actions may occur:

- If the Monitor III gatherer issues this message at initialization or modification time, the data set is unusable, but the session continues.
- If the Monitor III gatherer issues this message for a selected data set, data set recording ends.

Operator response

Check the return code *rc* in connection with the error code *eeee* and the information code *iiii*. Then correct the reason for the error. See *z/OS MVS Programming: Authorized Assembler Services Guide* for an explanation of the return/error codes.

ERB819I	<i>sid</i>: CANNOT START MONITOR III DATA SET RECORDING, NO DATA SET NAMES SPECIFIED
----------------	---

Explanation

You issued the start command for data set recording, but you failed to provide any data set names.

System action

The system cannot start recording.

Operator response

Specify one or more data set names.

ERB820I	<i>sid</i>: MONITOR III DATA SET <i>dsname</i> IS UNUSABLE.
----------------	--

Explanation

During initialization of the data set support, *dsname* was found unusable.

System action

The gatherer continues processing, but does not use data set *dsname* to store data. If none of the specified data sets are usable, data gathering still continues, but data are written only to the internal data buffer.

This message is followed by message ERB816I, ERB818I, ERB822I, ERB824I, ERB825I, ERB826I or ERB827I.

System programmer response

Take the appropriate action for the message that follows ERB820I.

ERB821I	<i>sid:</i> nnn OUT OF mmm MONITOR III DATA SET(S) ARE USABLE
----------------	--

Explanation

During data set support initialization, data set analysis found that, of the user-specified *mmm* data sets, *nnn* were found to be usable. The other data sets (*mmm* - *nnn*) were unusable due to the reasons indicated in message ERB820I.

System action

Data set support initialization continues.

Operator response

None.

ERB822I	<i>sid:</i> THE TIME RANGE OF DATA SET <i>dsname</i> CONFLICTS WITH SYSTEM TIME
----------------	--

Explanation

The *dsname* you added to the data set names list contains data which has a time stamp later than the actual time of the system.

System action

The system continues to initialize the data set.

Operator response

Check the system time at least system stop and IPL.

ERB823I	<i>sid:</i> AN INTERNAL OR EXTERNAL SWITCH WAS PERFORMED. NO EMPTY DATASET IS AVAILABLE AND THE DATA SET <i>dsname</i> WITH THE OLDEST DATE CAN NOT BE REUSED
----------------	--

Explanation

One of two conditions may have caused this message.

- The current active data set became full causing an internal switch.
- A switch option was issued. *dsname* was selected as the new active data set, but the system can not open it for reuse because another user had *dsname* permanently open.

System action

The system detaches the data set support subtask.

System programmer response

Add an empty data set, and restart data set support.

ERB824I**MIII DATASET *dsname* CONTAINS AN INVALID CI SIZE**

Explanation

Data set *dsname*, which you added to the data set names list, has an invalid CISIZE.

System action

The gatherer continues processing, but does not write data to data set *dsname*.

System programmer response

Define a new VSAM data set using the CLIST ERBVSDEF.

ERB825I**MIII DATASET *dsname* CONTAINS INVALID RECORD LENGTH**

Explanation

Data set *dsname*, which you added to the data set names list, has an invalid record length.

System action

The gatherer continues processing, but does not write data to data set *dsname*.

System programmer response

Define a new VSAM data set using the CLIST ERBVSDEF.

ERB826I**MIII DATASET *dsname* CONTAINS DIFFERENT SYSTEM ID**

Explanation

During data set support initialization, data set analysis found that data set *dsname* contains Monitor III records from another system.

System action

The gatherer continues processing, but does not write data to data set *dsname*.

System programmer response

Define a new VSAM data set using the CLIST ERBVSDEF, and ensure that each data set is used for records from the same system each session.

ERB827I**MIII DATASET *dsname* CONTAINS DIFFERENT SYSPLEX ID**

Explanation

During data set support initialization, data set analysis found that data set *dsname* contains Monitor III records from another sysplex.

System action

The gatherer continues processing, but does not write data to data set *dsname*.

System programmer response

Define a new VSAM data set using the CLIST ERBVSDEF, and ensure that each data set is used for records from the same sysplex each session.

ERB830I**Group name is not filled in.**

Explanation

You specified only the description or selection code in the input fields. You did not fill in the group name.

System action

RMF cannot process incomplete input and waits for your correction.

User response

You can either:

- Specify a group name
- Delete the description and selection code.

ERB831I**Data for *report-name* report is not gathered by *RMF-release*.**

Explanation

The RMF Monitor III display session uses data for the *report-name* report that was gathered by the *RMF-release* data gatherer. The specified data gatherer did not gather the necessary information for the report.

System action

RMF displays a blank report.

User response

None.

ERB832I**Data for blank fields is not gathered by *RMF-release*.**

Explanation

The RMF Monitor III display session uses data that was gathered by the *RMF-release* data gatherer. The specified data gatherer did not gather some of the information needed for the report.

System action

RMF displays a report containing blank fields. These fields require data that was not collected by the data gatherer.

User response

View the RMF tutorial for more information about data gathering.

ERB833I**Cursor sensitive control not active for blank fields.**

Explanation

You pressed ENTER with the cursor placed on a blank field. This field is blank when either the required data was not collected by the *RMF-release* data gatherer or meaningful data cannot be shown in the given context.

System action

RMF displays the report.

User response

Place the cursor on a filled field and press ENTER.

ERB834I	RESET is not active on this panel.
----------------	---

Explanation

You specified the RESET command on the GROUP Report Options panel. The RESET command is not active for this panel.

System action

RMF rejects the RESET command, and continues option processing without resetting options.

User response

You can continue without resetting options, or you can reset options by using the RESET command on the WFEX Report Options panel.

ERB835I	INACTIVE must be: YES or NO
----------------	------------------------------------

Explanation

An incorrect value for INACTIVE was specified.

System action

No action taken.

User response

You can:

- Specify YES to include data lines that contain only zeros.
- Specify NO to include only data lines that contain data.

ERB836I	Spin Lock must be HELD, SPIN or BOTH.
----------------	--

Explanation

You specified an incorrect parameter when requesting a Spin Lock report.

System action

No action taken.

User response

You can specify:

- HELD to request only held spin locks and lock holders
- SPIN to request only spin locks and address spaces which are spinning
- BOTH to request all available information about spin locks

ERB837I	Lock Type must be LOCAL, GLOBAL or BOTH.
----------------	---

Explanation

You specified an incorrect lock type when requesting a Suspend Lock report.

System action

No action taken.

User response

You can specify:

- LOCAL to request only local suspend locks
- GLOBAL to request only global suspend locks
- BOTH to request both lock types

ERB838I Data for the STORM report is currently not available.

Explanation

Within the current report interval, RMF did not detect any address spaces dealing with memory objects.

This is caused by one of the following reasons:

- No memory objects are currently allocated in the system.
- There is backlevel data in the allocated VSAM data set.

System action

RMF waits for the next input.

User response

Press END (PF3) to return to the previous panel.

ERB839I Data for the LOCKSU (LOCKSP) report is currently not available.

Explanation

Within the current report interval, RMF did not detect any lock contention.

This is caused by one of the following reasons:

- No system resource locks were held when Monitor III sampled data .
- Lock data was not collected (Monitor III Gatherer option NOLOCK was specified).
- There is backlevel data in the allocated VSAM data set.

System action

RMF waits for the next input.

User response

Press END (PF3) to return to the previous panel.

ERB840I Range shortened. See HELP for possible reasons.

Explanation

In the data for the requested report, a WLM token change was detected, so that RMF cannot combine the data to a consistent report because of a policy switch.

System action

The RMF report contains data only from the WLM token change until end of range.

User response

Specify Date, Time, and Range values that do not overlap the time when the WLM token changed.

ERB841I **Range shortened. IPL at *mm/dd/yy hh.mm.ss.***

Explanation

In the data for the requested report an IPL was detected, so that RMF cannot combine the data of the requested time range to a consistent report. The IPL was performed at *mm/dd/yy hh.mm.ss.*

System action

The RMF report only contains data from the IPL until the end of the requested time range.

User response

Select Date, Time, and Range values that do not overlap the time when the IPL was done.

ERB844I **Only *nnn* out of *mmm* systems included in the report**

Explanation

Not all systems returned data that can be used by the report. The systems not included are:

- *system-name*
- *system-name*
- *system-name*
- *system-name*
- *system-name*

Possible reasons are:

- The gatherer is not running on a system.
- The RMF product feature is not enabled on a system in the sysplex.
- There is a mismatch between the gatherer options.
- Workload Manager data is not available for a system.
- You are using the default service policy. The default policy causes the systems in the sysplex to run independently of each other, and data cannot be combined in a sysplex-wide report.
- The reporter session is running with an older release of RMF than the gatherer session.

The number of systems that belong to the sysplex and the number actually included in the report are shown in the message. If you are using preallocated data sets, the number of systems in the sysplex cannot be determined.

Note: If '????' is shown for *system-name*, the system ID could not be determined. For example, if a preallocated data set cannot be opened, the system ID cannot be obtained for that data set.

System action

The report is displayed showing only the systems that returned usable data.

User response

Specify a complete report interval (using Date, Time, and Range) that contains data, or use the Data Index screen to find out what systems have no data.

If you are using the default policy, and you want sysplex-wide reports, you need to install a service policy other than the default policy.

If there is a mismatch of releases between gatherer and reporter, run the reporter session on the system with the highest release of RMF.

- Verify that the RMF product feature is enabled on all systems in the sysplex.

ERB845I**No subsystem work manager delays are available.**

Explanation

The selected period did not experience subsystem delays on any system in the sysplex.

System action

An empty report is displayed.

User response

None

ERB846I**Workload manager data is not available.**

Explanation

RMF could not retrieve WLM related data due to a WLM interface problem. All WLM data are replaced by dashes in the reports.

System action

The report contains only non-WLM data.

User response

Specify a report interval (using Date, Time, and Range) for which there is WLM data, or investigate the WLM problem.

ERB847I**Message *message* occurred on system *system ID***

Explanation

This message tells you on which system in a sysplex a problem occurred.

If a field contains ???? the system is unknown.

System action

No action taken.

User response

None

Explanation

A VSAM error occurred during a VSAM request xxxxx on *dsname*.

System action

One of the following system actions may occur:

- If the Monitor III gatherer issues this message at initialization or modification time, the data set is unusable, but the session continues.
- If the Monitor III gatherer issues this message for the active data set, data set recording ends.

Operator response

You can continue the session without obtaining data from *dsname*. If the current session is with preallocated data sets, check the return code and correct the error. See *z/OS DFSMS Macro Instructions for Data Sets* for an explanation of the return codes.

System programmer response

Check the return code *rc* in connection with the reason code *rsnc*. If the VSAM error is a user error, take the necessary actions to correct it.

Explanation:

The Data Gatherer component has increased the service level for the SMF record type corresponding to the report, and that level is not yet supported by the RMF Reporter component.

System action:

The report generator module skips the real-time report, replacing it with this message.

System programmer response:

Check whether RMF Reporter maintenance adding support for the new record level is available and whether the latest service level of RMF Reporter is installed.

User response:

Contact the system programmer responsible for RMF installation. Use the Post Processor to generate the missing reports.

Explanation

Specify one of the following for DDNAMES/DSNAMES:

- YES - Include DDNAMES / DSNAMES information in the DI report for a detailed version of the report.
- NO - Exclude DDNAMES / DSNAMES information in the DI report for a condensed version of the report.
- Typing CANCEL on the command line lets you leave the panel without change.

System action

No action taken.

User response

Enter a valid option for DDNAMES / DSNAMES and press ENTER.

Explanation

The analysis of the primary or the requested reason in the upper or middle part of the Job report refers only to the address space ID and service class name specified in the message.

System action

The upper and middle parts of the report contain information for the specified ASID and service class.

User response

To select another ASID, place the cursor on the corresponding number in the scrollable list on the bottom of the screen and press ENTER.

Explanation

This report was called for a specific service or report class, but there is no data for this class in the system. Either the specified class is not available, or the specified combination of class and period is not available.

System action

The report has an empty scrollable part.

User response

See the RO panel for a list of available service and report classes.

Explanation

An incorrect value for SYSTEM was specified either on the BREF/FREF command or in the report header field. SYSTEM is used to specify the system ID that you wish to use data from.

System action

RMF rejects the command or value.

User response

Enter a valid SYSTEM value.

The syntax of the SYSTEM parameter on the BREF/FREF command is:

```
{SYSTEM} = xxxx  
{S      } = xxxx
```

A valid value for SYSTEM is 1 - 4 characters long and can consist of the following:

The letters A - Z

The numbers 0 - 9

The special characters #, %, @, and \$

Explanation

The service class name was incorrect. The name in this input field is used to select the jobs for which RMF reports delay values.

Valid selections are:

- *ALL (includes jobs from all service classes)
- xxxxxxxx (a service class name from the list of available service classes on the report options screen, or any name that fulfills the WLM syntax rules for WLM specific group names)

System action

No action taken.

User response

Specify a valid service class name.

ERB866I **CLASS must be: YES or NO.**

Explanation

An incorrect value for CLASS was specified.

System action

No action taken.

User response

Specify either YES to include service or report class and period entries in the report, or NO to exclude the entries.

ERB867I **PERIOD must be: YES or NO.**

Explanation

An incorrect value for PERIOD was specified.

System action

No action taken.

User response

Specify either YES to include period entries in the report, or NO to exclude the entries.

ERB868I **Report is for *group WLM mode* only.**

Explanation

You have requested a report that is limited to a single WLM group of jobs. The group can be

- a workload group
- a service class
- a report class

System action

The report displayed contains only those jobs belonging to the specified group.

User response

None

ERB869I

Report is for *group-type* only.

Explanation

You have requested a report that is limited to one type of WLM groups. The possible types of a group are:

- Workload groups
- Service classes
- Report classes

System action

The report displayed contains only the jobs belonging to the specified groups.

User response

None

ERB870I

Performance index must a number between 0 and 999.

Explanation

The performance index determines the minimum index of a group that RMF reports on. A value of 0 means that all lines of the group selected under **Type** are shown. Any value greater than zero means that only the groups where at least one service class period has a performance index higher than the specified are shown.

System action

No action taken.

User response

Enter a valid performance index. The value can be any numeric value between 0 and 999. A decimal point can be used, for example: .95 and 1.5 are valid values.

ERB871I

Importance must be an integer between 1 and 5.

Explanation

Importance determines the minimum importance of a group that RMF reports on. A value of 5 means that all lines are shown on the report, including discretionary. Any value less than five means that only the service classes and periods are shown, where at least one period has a greater importance than the specified one. For example, if you specify a threshold value of 2, only the service classes with an importance of 1 or 2 are shown.

System action

No action taken.

User response

Enter a valid value for importance.

Explanation

You can use the type value to distinguish between workload groups, service classes, and report classes, which may all have the same name.

System action

No action taken.

User response

Enter one of the following:

- W - for Workload classes
- S - for Service classes
- R - for report classes

Explanation

You can use the type value to determine whether workload groups, service classes, service class periods, report classes, report class periods, or everything is included in the report.

System action

No action taken.

User response

Enter one of the following:

- W - to create a report for workload groups
- S - to create a report for service classes (without service class periods)
- SP - to create a report for service classes with periods
- R - to create a report for report classes (without report class periods)
- RP - to create a report for report classes with periods
- ALL - to create a report for all groups

Explanation

You have specified a class name that does not fulfill the WLM syntax rules for WLM specific group names.

System action

No action taken.

User response

Valid names are service or report class names from the list of available classes on the Report Options panel, or any name that fulfills the WLM syntax rules for WLM specific group names.

Explanation

You can use a period number to specify a period for the reported service or report class.

System action

No action taken.

User response

Enter an integer between one and eight as a valid period number.

ERB876I **Work group name is too long.**

Explanation

The WLM group name may not be more than eight characters long.

System action

No action taken.

User response

Correct the command parameter.

ERB877I **Service class name is too long.**

Explanation

The service class name may not be more than eight characters long.

System action

No action taken.

User response

Correct the command parameter.

ERB878I **Work group name is not valid.**

Explanation

An incorrect WLM group name (workload group, service class, or report class) was specified.

System action

No action taken.

User response

Correct the entry in the fill-in-field.

ERB879I **Unit must be: P (percentage) or S (seconds).**

Explanation

An incorrect time unit selection was made.

System action

No action taken.

User response

Enter one of the following:

- S - for units shown in seconds
- P - for units shown in percentages
- Leave blank for RMF default P

ERB880I *Data for report_type report not gathered.*

Explanation

Possible reasons are:

- The Monitor III gatherer was started with option NOIOSUB. Therefore, no I/O subsystem data has been gathered.
- No hardware data is available.

System action

No action taken.

User response

If you started the Monitor III gatherer with option NOIOSUB, restart it with option IOSUB.

ERB881I *report_type report not available - ERBSMFI RC: return_code*

Explanation

The requested data could not be obtained by interface ERBSMFI. RMF cannot provide the selected report. For further explanation of the return code see *z/OS Data Gatherer Programmer's Guide*.

System action

No action taken.

User response

None.

ERB882I *report_type report not available - channel measurements not active.*

Explanation

The channel measurement facility has not been started by SRM. RMF cannot provide the selected report.

System action

No action taken.

User response

None.

ERB883I *report_type report not available - diagnose interface failure.*

Explanation

The DIAGNOSE interface for retrieving IOQ data returned with a severe error. RMF cannot provide the selected report.

System action

No action taken.

User response

None.

ERB884I	<i>report_type</i> report is incomplete - configuration may have been changed.
----------------	---

Explanation

During the selected range, an I/O configuration change has been observed. RMF provides only data gathered since the configuration change.

System action

No action taken.

User response

None.

ERB885I	Incomplete or missing report data - Monitor I interval changed.
----------------	--

Explanation

The selected range spans more than one Monitor I interval. Data for the affected mintimes is suppressed.

System action

No action taken.

User response

None.

ERB886I	No measurements available - system may be running under VM.
----------------	--

Explanation

The channel subsystem returned no LCU measurement data. When the MVS system is running in second level under VM, the I/O Queuing Activity report shows the pure configuration data without measurement values.

System action

No action taken.

User response

None.

ERB887I	<i>report_type</i> report is incomplete - CPMF unavailable, modified, or restarted.
----------------	--

Explanation

The channel path measurement facility either is not active or has been modified or restarted during the selected range. RMF provides pure configuration data without measurement values.

System action

No action taken.

User response

None.

ERB888I Valid types are: S or R.

Explanation

You can use the type value to distinguish between service classes and report classes, which may have the same name.

System action

No action taken.

User response

Enter one of the following:

- S - for service classes
- R - for report classes

ERB889I Report not available, reason code xxxx

Explanation

You have requested the CPC Capacity report, which is not available because of one of the following reasons:

- 1** The system is not running on a zSeries processor.
- 2** The system is not running in a PR/SM environment.
- 3** The system is running as VM guest.
- 4** The reporter session is accessing backlevel data (either in a preallocated VSAM data set or from a remote system).
- 5** The interface for retrieving CP utilization data returned insufficient data. Report the problem to the IBM support center.

System action

No action taken.

User response

None.

ERB890I Data set level reporting is not available for TAPE volumes.

Explanation

The volume for which data set level reporting has been requested is not a DASD volume. For TAPE volumes, data set level reporting is not available.

System action

The DSNV report does not contain any data.

If you try to call the report through cursor-sensitive control from the DEVR report, no DSNV report will be displayed.

User response

Select a DASD volume for reporting.

ERB891I Device data is not available.

Explanation

There is no device data available for reporting. The device data gatherer may not be active due to an internal error. Refer to the console log for additional information.

System action

RMF waits for the next input.

User response

Press END (PF3) to return to the previous panel.

ERB892I Only one data set name can be selected.

Explanation

Several data set names have been selected by placing "S" in front of the name, only one "S" is allowed.

System action

No data set name is selected.

User response

Select one data set name only.

ERB893I Data set name is not specified or selected.

Explanation

No data set name has been specified or selected on the Report Options panel or as command parameter.

System action

The DSND report does not contain any data.

User response

Specify or select a valid data set name on the Report Options panel or as command parameter.

ERB894I Data set level information is not available.

Explanation

Information is available on device level, but not on data set level.

The SMS subsystem which provides this level of information may be not active, or only those I/O instructions have been detected for which no data set information is provided by the SMS subsystem, like

- I/Os to system data sets (such as paging or spooling)
- I/Os to any data set which was opened prior to SMS subsystem initialization
- I/Os such as SENSE or RELEASE
- System I/Os not done by an access method

System action

The report does not contain any data.

User response

Verify that the SMS subsystem is active on the system, or invoke the DEVR report.

ERB895I **Volume is not specified.**

Explanation

No volume has been specified on the Report Options panel or as command parameter.

System action

The DSNV report does not contain any data.

User response

Specify a volume serial on the Report Options panel or as command parameter.

ERB896I **Volume *volser* is not mounted.**

Explanation

The volume specified on the Report Options panel or as command parameter is not currently available in the system.

System action

The DSNV report does not contain any data.

User response

Specify a volume serial on the Report Options panel or as command parameter which is available in the system.

ERB897I **No I/O activity detected.**

Explanation

For the current selection (job name, data set name, or volume), no I/O activity could be detected.

System action

The report does not contain any data.

User response

Enter next command.

ERB898I

Resource group name is too long.

Explanation

The resource group name may not be more than eight characters long.

System action

No action taken.

User response

Correct the command parameter.

ERB900I

Timeout during data retrieval from system xxxx.

Explanation

During the data retrieval or transmission of RMF Monitor III data from system xxxx, a timeout situation was recognized. Either the remote system, the remote RMF address spaces, or the data communication components failed to deliver the requested data in a defined time interval.

System action

No action taken.

User response

Retry the request. If timeout situations occur frequently, retry the request with a smaller RANGE value.

■ Verify that the RMF product feature is enabled on all systems in the sysplex.

ERB901I

The data retrieval answer area was too small, retry failed.

Explanation

An RMF-internal buffer used for the cross-system data retrieval was too small to hold all the requested data. A retry failed as well.

Note: This might be a normal situation for DATE/TIME/RANGE values that specify a time range that contains the current time because the amount of data is growing while the retry is attempted.

System action

No action taken.

User response

Retry the request with a smaller RANGE value. Use the CURRENT command to retrieve the latest available data.

ERB902I

An incorrect Date/Time value was specified - xxxxxxxx.

Explanation

An incorrect date or time value was specified for the DATE or TIME input field. The Date/Time value must be in the format: DATE: yyxmmxdd, TIME: hhymmyss, where the separators x and y are defined in the LANGUAGE OPTIONS of the current reporter session.

System action

No action taken.

User response

Retry the request with valid date and time specifications.

ERB903I	The interval specified is incorrect: <i>yy/mm/dd hh:mm:ss</i> to <i>yy/mm/dd hh:mm:ss</i>
----------------	--

Explanation

An attempt was made to retrieve RMF Monitor III data for an incorrect time range, that is, the start date/time of the range was larger than the end date/time. Because only one date/time can be entered on the screen, this situation may only occur when RMF Monitor III reporters, for example, user-written reporters, make use of the ERB3RDRS or ERB3XDRS data retrieval services.

System action

No action taken.

User response

Notify system programmer.

ERB904I	Unexpected data retrieval return code <i>xxxx</i>, reason code <i>xxxx</i>
----------------	---

Explanation

A cross-system data retrieval request ended with an unexpected return and reason code. (See *z/OS Data Gatherer Programmer's Guide* for an explanation of the return and reason codes of the ERB3XDRS RMF Monitor III Sysplex Data Retrieval Service.)

System action

No action taken.

User response

Contact IBM Support Center.

ERB905I	Cross-system reporting currently not available.
----------------	--

Explanation

The local RMF Sysplex Data Server (in the RMF address space on the reporting system) is inactive.

System action

No action taken.

User response

Verify that the local RMF address space is active and retry the request.

ERB906I	System not available in accessible data.
----------------	---

Explanation

The system name entered in the "System:" input field is not the name of an active system in the sysplex or a system available in the preallocated data sets.

System action

No action taken.

User response

Change the name to the name of an active system in the sysplex. You can consult the Data Index (DI) report in order to obtain a list of systems that are currently active in the sysplex, or, if you are using preallocated data sets, use the DI report to verify that you have preallocated the data sets you need.

ERB907I**Partial data is available. Reporting continues.**

Explanation

Only partial data is available for the reporter to use. The data source that is in error could be either:

- At a system level, if you are using data from the gatherers in a sysplex.
- At a data set level, either a gatherer's data set or a preallocated data set.

The reporter will continue with what data is available.

System action

No action taken.

User response

Check the Data Index (DI) report to see which data sets are in error and determine if you need to correct the error before continuing.

ERB908I**Reports are unavailable. No data is available.**

Explanation

The RMF reporter encountered only unusable data. The error is shown on the Data Index (DI) report.

System action

RMF displays the DI report.

User response

Check the DI report to determine the reason for the error message. Correct the error and issue your request again.

ERB909I**Data not reportable. Multiple system IDs found in pre-5.1.0 data**

Explanation

During a reporter session, two or more data sets with different system IDs were preallocated.

Data from RMF 4.3 or earlier can only have one system ID. Data from 5.1.0 or later can have multiple system IDs, provided the data comes from the same sysplex.

System action

RMF displays the Data Index (DI).

User response

First, check the system IDs of the data sets on the DI report. Then, unallocate one or more data sets so that all preallocated data sets contain data from the same system.

ERB911I RMF is not enabled to run on this system.

Explanation

The request to run RMF has been denied by MVS, because the optional element RMF is not licensed or enabled on this system.

System action

RMF discontinues its processing, and terminates immediately.

User response

Have your system administrator check whether you have a license for RMF, and if so, have him enable the product.

ERB912I Service *name* failed with return code *rc*

Explanation

RMF invoked the IFAEDREG or IFAEDDRG service for registration or deregistration. The service returned with a code greater than 4.

System action

RMF discontinues its processing, and terminates immediately.

User response

See *z/OS MVS System Management Facilities (SMF)*.

ERB920I Sysplex-wide *resource* data is not currently available.

Explanation

Within the current report interval, RMF did not detect any *resource* data. This could be caused by any of the following reasons:

- The Sysplex Data Server was not active
- Data gathering for the *resource* is not active (or not available)
- There is backlevel data in the allocated VSAM data set
- Options of the Monitor III Gatherer have been changed
- The RMF product feature is not enabled on a system in the sysplex

System action

RMF waits for the next command.

User response

Contact your system programmer.

ERB921I**No entry found to satisfy your selection criteria.**

Explanation

You entered a selection for a resource that is not available.

System action

RMF waits for the next input.

User response

Change the selection criteria on the Report Options panel, or enter another RMF command.

ERB922I**Structure type must be LIST, LOCK, CACHE, or ALL.**

Explanation

You specified an incorrect value as structure type.

System action

RMF waits for the next input.

User response

Supply a valid value as specified in the message.

ERB923I**Detail must be YES or NO.**

Explanation

You specified an incorrect value for the detail level.

System action

RMF waits for the next input.

User response

Supply a valid value as specified in the message.

ERB924I**Coupling Facility name is not valid.**

Explanation

You specified an incorrect name for the coupling facility.

System action

RMF waits for the next input.

User response

Specify a valid data set name following conventions for your installation and the syntax described in *z/OS MVS Setting Up a Sysplex*.

ERB925I**Coupling Facility name is too long.****Explanation**

The name of a coupling facility cannot exceed 8 characters.

System action

RMF rejects the command.

User response

Correct the name and press ENTER.

ERB926I**Incomplete coupling facility data obtained.****Explanation**

If a coupling facility or structure became active or was disconnected during the mintime, RMF received incomplete data.

This problem will also occur if reporting is done with preallocated VSAM data sets, and the data from the master gatherer is missing.

In addition, this message is issued if one or more coupling facilities do not contain any structures at all.

Message ERB926I can also be displayed if reporting from a system that is not the system with the highest z/OS release or service level in the sysplex.

System action

RMF displays blanks in those report fields that cannot be calculated due to incomplete data.

User response

If you are working with preallocated VSAM data sets, ensure that all data belonging to the sysplex are available by allocating the VSAM data sets from all systems of the sysplex.

Also check if all of your coupling facilities contain structures and ensure that the sysplex system with the highest z/OS release and service level is used to display the report.

ERB930I**SSID value is not valid.****Explanation**

You specified an incorrect value for the SSID.

System action

RMF waits for the next input.

User response

Specify a valid subsystem ID which is a hexadecimal number between 0000 and FFFF.

ERB931I**SSID value is too long.****Explanation**

The value of an SSID cannot exceed 4 characters.

System action

RMF rejects the command.

User response

Correct the name and press ENTER.

ERB932I**Cache data collection for CU = *cu* failed. module RC = *rc*.**

Explanation

An attempt by RMF to obtain device counters failed. The reason for the failure is indicated by the return code, as described below.

System action

Processing continues for the next control unit type.

System programmer response

Action depends on the reason for the failure, which is indicated by the return code, as follows:

04

GETMAIN failed for a caching subsystem during an attempt to obtain storage for device counters.

Increase the REGION parameter in the RMF procedure, and restart RMF.

08

An I/O error occurred in a caching subsystem during an attempt to obtain device counters. If the failure is intermittent, it may result from a RESERVE having been issued against a 3390 device.

If the message is issued in consecutive intervals, and no RESERVE is active, search the problem-reporting data bases for a fix. If there is no fix, save the Monitor III VSAM data sets and the system log. Report the problem to the IBM Support Center.

36

At least one storage director had no path available when RMF attempted to obtain device counters.

Ensure that there is a path to each storage director or each caching subsystem from the system on which RMF is running.

40

A caching subsystem had no path available to it when RMF attempted to obtain device counters.

Ensure that there is a path to each storage director or each caching subsystem from the system on which RMF is running.

60

A timeout occurred in a caching subsystem during an attempt to obtain device counters.

The reason for the timeout could be a RESERVE on one volume belonging to the caching subsystem. If you notice this error repeatedly, further investigation of this reason is required.

OTHER

RMF received a bad return when attempting to obtain device counters.

Search the problem-reporting data bases for a fix. If there is no fix, save the Monitor III VSAM data sets and the system log. Report the problem to the IBM Support Center.

ERB933I**Cache gathering interval does not map reporting interval.**

Explanation

The cache data collection subtask did not finish processing during a Monitor III measurement interval. When this hung situation was resolved during the next interval, the cache data in the written record represented the data for both intervals. Therefore, CRANGE and RANGE might be totally different time windows.

The reporter compares CDATE, CTIME, and CRANGE with DATE, TIME and RANGE. When the midpoint of CRANGE is outside of RANGE **and** the midpoint of RANGE is outside of CRANGE, the message points out that the two ranges do not match.

System action

Monitor III displays the report representing the range given in the CRANGE value.

User response

None

ERB934I	Storage class name is not valid.
----------------	---

Explanation

You have specified an incorrect name for the storage class.

System action

RMF rejects the command.

User response

Specify a correct storage class name.

ERB935I	Storage class name is too long.
----------------	--

Explanation

The name of a storage class has a maximal length of 8 characters.

System action

RMF rejects the command.

User response

Specify a correct storage class name.

ERB940I	OMVS process data is not currently available.
----------------	--

Explanation

Within the current report interval, RMF did not find any process matching the PID, or associated with the selected ASID, Jobname, or User.

System action

No action taken.

User response

Enter another RMF command, or change the selection criteria on the Report Options panel.

ERB941I**OMVS process ID is not valid.****Explanation**

The process ID is an integer or 'ALL' for all process IDs.

System action

No action taken.

User response

Enter a valid process ID.

ERB942I**ASID is not valid.****Explanation**

The address space ID is a decimal number in the range from 0 to 65535. It can also be specified as hexadecimal number with a preceding X (for example, X20A).

System action

No action taken.

User response

Enter a valid address space ID.

ERB943I**Selected option must be: 1, 2, 3, or 4.****Explanation**

You specified an incorrect value as option.

System action

RMF waits for the next input.

User response

Supply a valid value as specified in the message.

ERB944I**Report is not available, reason code *rc*.****Explanation**

Within the current report interval, RMF did not detect any zFS data. This could be caused by one of the following reasons:

- 1** OMVS is not active (or not available).
- 2** zFS is not active or shutting down.
- 3** Backlevel data or no data from the zFS interface.
- 4** The interface to zFS services (subtask ERB3GZFD) suffered a timeout. Check the system log for zFS message IOEZ00524I. This message indicates a possible hang condition in zFS.

System action

RMF waits for the next command.

User response

Contact your system programmer.

ERB945I **No aggregate found.**

Explanation

Within the current report interval, RMF did not detect any zFS data for the aggregate.

System action

RMF waits for the next command.

User response

Contact your system programmer.

ERB946I **Incomplete zFS data obtained.**

Explanation

Within the current report interval, not all systems returned data. The systems not included are:

- *system-name* (RSN *n*)
- *system-name* (RSN *n*)
- *system-name* (RSN *n*)
- *system-name* (RSN *n*)
- *system-name* (RSN *n*)

This could be caused by one of the following reasons:

- 1 = OMVS is not active or not available.
- 2 = zFS is not active or shutting down.
- 3 = Back-level data or no data from the zFS interface.
- 4 = The interface to zFS services (subtask GRB3GZFX) suffered a timeout.

System action

The report is displayed showing only the systems that returned usable data.

User response

Start the Monitor III gatherer with the option ZFS or contact your system programmer.

ERB947I **Storage group or volume data are currently not available.**

Explanation

Within the current report interval, RMF could not retrieve space information for storage groups due to one of the following reasons:

- No storage groups have been specified for data collection.
- The specified storage groups were inactive or could not be found.

System action

RMF waits for the next command.

User response

Specify one or more valid storage group(s) for data collection.

ERB948I**Other system in sysplex with higher RMF release detected.**

Explanation

Systems with different releases of RMF were detected in the sysplex. The current RMF reporter version is lower than the RMF gatherer version on one or more remote systems in the sysplex.

System action

No action taken.

User response

To avoid problems when reporting Monitor III data, always use an RMF reporter version that is equal or higher than the highest RMF gatherer version used to collect the data.

ERB949I**No resource groups are defined in the WLM policy.**

Explanation

The WLM policy does not have any resource groups or tenant resource groups defined.

System action

An empty report is displayed.

User response

None.

ERB950I**Resource group type is not valid.**

Explanation

You specified an incorrect value as resource group type. Valid values are 'RG', 'TRG', 'ALL'.

System action

RMF waits for the next input.

User response

Supply a valid value as resource group type.

ERB951I**Resource group name is not valid.**

Explanation

You specified an incorrect resource group name.

System action

RMF waits for the next input.

User response

Supply a valid resource group name.

ERB952I**Incomplete cryptographic hardware data obtained.**

Explanation

Within the current report interval, not all systems returned the data. The systems not included are:

- *system-name*
- *system-name*
- *system-name*
- *system-name*
- *system-name*

This could be caused by one of the following reasons:

- Cryptographic hardware is not available.
- Cryptographic hardware is not supported by the processor.

System action

The report is displayed showing only the systems that returned usable data.

User response

Contact your system programmer.

ERB953I**System name is not valid.**

Explanation

You specified an incorrect name for the system.

System action

RMF waits for the next input.

User response

Specify a valid system name which contains only uppercase characters A-Z, numeric characters 0-9, or national characters \$, #, or @. The system name can be up to 8 characters long and must begin with an uppercase or numeric character.

ERB954I**Function must be ACC, CCA, PKC, or ALL.**

Explanation

You specified an incorrect value for the cryptographic functionality.

System action

RMF waits for the next input.

User response

Supply a valid value as specified in the message.

ERB955I	One or more Monitor III measurement tables were converted to a format supported by the Monitor III reporter.
----------------	---

Explanation:

The Monitor III reporter was unable to process a measurement table that was gathered on a higher service level than the Monitor III reporter service level.

System action:

One or more Monitor III measurement tables were converted to a format that is supported by the down-level Monitor III reporter. This was done to support configurations where the Monitor III data gatherer service level is higher than the Monitor III reporter service level.

User response:

Have your system administrator check whether the latest service level of RMF Monitor III reporter is installed. If not, ensure that your system administrator installs the latest RMF service level.

ERB999I	Additional messages are added to the HELP panel. Press HELP to get a list.
----------------	---

Explanation

Press ENTER to see the stacked messages.

ERBA000I	RMF is not enabled to run on this system.
-----------------	--

Explanation

The request to run RMF has been denied by MVS because the optional element RMF is not licensed or enabled on this system.

System action

RMF discontinues its processing, and terminates immediately.

User response

Have your system administrator check whether you have a license for RMF, and if so, ask to have the product enabled.

ERBA001I	Incorrect menu. No usable entry found.
-----------------	---

Explanation

RMF could not process the menu in order to initialize any measurements.

For example, RMF could find the menu unusable if an attempt to modify it caused an incorrect field length for one or more of the entries.

System action

RMF ends the session.

System programmer response

Correct any errors in the menu control section, ERBFMENU.

User response

Ask the system programmer to correct any errors in the menu control section, ERBFMENU. Then retry the session.

ERBA002I**Incorrect syntax.**

Explanation

The options specified for the *command* command are not syntactically correct, or there are no options for this command.

System action

No action taken.

User response

Enter the command with the correct syntax.

See *z/OS Resource Measurement Facility User's Guide* for a detailed description of the command.

ERBA003I**Incorrect command entered.**

Explanation

The command entered is neither a valid Monitor II display session command, nor a valid report command.

System action

No action taken.

User response

Refer to your menu definition in ERBFMENU for a list of valid report commands, or to the Monitor II tutorial or to the User Selection Menu for an list of valid display session commands.

ERBA004I**Command is not active on this screen: *command***

Explanation

You issued the command *command* on a panel where it is not allowed.

On selection panels, only report commands are allowed. On the report panel, all commands are allowed except RESET and CANCEL. On option panels, only RESET and CANCEL are allowed.

System action

No action taken.

User response

Refer to the tutorial for a list of valid RMF commands, their options, and where they are allowed.

ERBA006I**I/O error on hardcopy data set. Hardcopy function cannot be used. Use the recall function to view the data gathered. SYNAD text: *synad***

Explanation

An I/O error occurred while RMF was writing to the SYSOUT data set because the hardcopy mode was set on (H ON).

System action

RMF continues the session but produces no hardcopy output.

User response

Use the recall function, Rmm, where mm is the menu item. Specify the parameters originally specified for the report again. RMF will display the data on the screen.

ERBA007I**No data was found to fit your selection criteria.**

Explanation

The data gatherer or data reporter routine passed return code 16 to RMF to indicate that the routine produced no data. For an IBM-supplied report, this message means that RMF found no address spaces to meet the selection criteria in the request for the report. For example, if you enter

```
ARDJ jobname
```

and the named job has not yet started or has already ended, RMF issues this message.

System action

RMF continues the session and waits for the next command.

ERBA008I**ESTAE could not be established by module *module***

Explanation

The data gatherer or data reporter module *module* passed return code 20 to RMF, indicating that the ESTAE macro failed.

System action

RMF stops writing the current report but continues the session; RMF waits for the next command.

Operator response

Retry the command, if you get the same error, contact your system programmer.

System programmer response

Report the problem to the IBM Support Center.

ERBA009I**Syntax error detected in default options *parm* for report *report***

Explanation

Incorrect default options *parm* were found for report *report* on the menu ERBFMENU or option list ERBROPT2.

System action

RMF stops writing report *report* but continues the session and waits for the next command.

System programmer response

Use the ISPF table services to delete the row in ERBROPT2 for the failing report or delete the entire table. Then correct the default options of the failing report in ERBFMENU, assemble and re-link the module.

User response

Reissue the command, explicitly specifying all required options.

ERBA010I **Incomplete data. MAXRBS value in menu entry has been exceeded.**

Explanation

The RMF data gatherer found that menu entry MAXRBS did not specify enough SMF relocate blocks to hold all the data requested by the options. RMF records data in all available relocate blocks.

System action

RMF continues the session and produces a report, then waits for the next display command.

System programmer response

To increase the number of relocate blocks in the menu list, use the PICTURE macro instruction, described in *z/OS Resource Measurement Facility Programmer's Guide*.

ERBA011I **Data unavailable. Monitor I report option not active.**

Explanation

RMF could not obtain required data because the corresponding Monitor I report option is not active.

System action

RMF continues the session and waits for the next display command.

System programmer response

Start a Monitor I session with options DEVICE, PAGESP, and IOQ.

User response

Request a DEV, PGSP, or IOQUEUE report only when a Monitor I session is active with the corresponding option: DEVICE, PAGESP, or IOQ, respectively.

ERBA012I **Data reinitialized. Monitor I interval ended.**

Explanation

RMF found that any data reported would be misleading because the source data in the Monitor I measurement had been reinitialized since the previous request for the report.

System action

RMF continues the session and waits for the next display command.

User response

Request the report again.

ERBA013I **No Channel Path Status data available to RMF.**

Explanation

Either RMF detected that both the store channel path status (STCPS) facility was not active and the I/O Queuing Activity report was selected at initialization time or the Monitor I session option for channel path activity (CHAN)

was specified and both the STCPS facility was not active and the Channel Path Measurement Facility (CPMF) was not available.

System action

RMF stops channel activity measurement. The field **% ALL CHANNEL PATHS BUSY** in the I/O queuing (IOQ) report will be zero.

ERBA014I **Module *module* ended with return code *rc***

Explanation

The data gatherer or data reporter module *module* passed return code *rc* to RMF. The return code is greater than expected.

System action

RMF stops writing the current report but continues the session and waits for the next command.

System programmer response

Determine if an installation-supplied module caused the error, or if an IBM-supplied module caused the error.

User response

Enter a request for another report.

Contact your system programmer.

ERBA015I **Unable to open hardcopy data set.**

Explanation

RMF failed to open an output data set. The data set was needed for hardcopy.

System action

RMF continues the session but produces no printable output.

ERBA016I **Too many parameters specified.**

Explanation

You entered a command and specified too many parameters. The parameters for commands cannot be separated by blanks.

System action

RMF re-displays the current panel.

User response

Enter the parameters for the command with no spaces. For example, "ARD T,A," is correct, while "ARD T, A," is not.

Refer to the Monitor II tutorial for a list of valid commands and their parameters.

ERBA017I **The command parameter string is too long.**

Explanation

For report commands, the maximum length allowed for the options must not exceed 32 bytes.

System action

RMF re-displays the current panel.

User response

Specify a parameter string that is not longer than 32 bytes.

ERBA018I	Unable to allocate hardcopy data set. Return code: <i>return code</i> Error code: <i>error code</i> Information code: <i>information-code</i>
-----------------	--

Explanation

RMF failed to allocate an output data set needed for the hardcopy command.

System action

RMF continues the session but produces no hardcopy output.

System programmer response

Report the problem to the IBM Support Center.

User response

Verify that you have allocated a data set name with valid DCB parameters (RECFM=VBA, LRECL=137) to the ddname RMFDMTSO.

If the error occurs again, inform your system programmer.

ERBA020I	Characters found: <i>chars</i>
-----------------	---------------------------------------

Explanation

The text entered on the last FIND command was located.

System action

No action taken.

User response

None.

ERBA021I	Character not found: <i>chars</i>
-----------------	--

Explanation

You entered a FIND/RFIND command starting at the top of the report and the text on the FIND command could not be located.

System action

No action taken.

User response

None.

ERBA022I	Enter a valid character string.
-----------------	--

Explanation

You entered a FIND command without specifying a text to be located.

System action

No action taken.

User response

Enter the FIND command again with a character string, or if you want to search for an already entered string, use the RFIND command.

If the string contains blanks, enclose it in quotes ('xx xx').

ERBA023I	Put FIND string in quotes.
-----------------	-----------------------------------

Explanation

You entered a FIND command and specified more than one parameter.

System action

No action taken.

User response

Only one parameter is allowed. If the search string contains blanks, enclose it in quotes ('xx xx').

ERBA024I	Bottom of data reached.
-----------------	--------------------------------

Explanation

RMF could not find the text *chars* between the current position of the cursor and the end of the report.

System action

No action taken.

User response

Use the RFIND command to repeat searching.

ERBA025I	Enter a FIND command.
-----------------	------------------------------

Explanation

You requested a repeated find command, but no text to search for is specified.

System action

No action taken.

User response

Enter a FIND command with the text you want to search for.

ERBA026I**Incorrect refresh value specified.**

Explanation

You specified an incorrect refresh value for the GO command.

System action

No action taken.

User response

Valid refresh values must be numeric and between 1 second and 60 minutes. You can specify S for seconds or M for minutes. If you do not specify S or M, seconds are used.

ERBA027I**Specify either ON or OFF.**

Explanation

You entered the DELTA or HARDCOPY command, and specified an incorrect option.

System action

No action taken.

User response

Valid values are ON or OFF. If you do not specify anything, ON is used.

ERBA028I**To end GO mode and enter a command, press the ATTN/PA1 key.**

Explanation

You requested the GO mode for this report.

System action

RMF will automatically refresh the screen based on the Refresh option value.

User response

If you want the STOP mode press the ATTN/PA1 to stop the screen refreshing.

ERBA029I**Cursor is not placed on a sortable column.**

Explanation

You entered a SORT command when the cursor was placed on a field that cannot be sorted.

System action

No action taken.

User response

Place the cursor on a data field for which the report column shown should be sorted.

ERBA030I**This report cannot be sorted.****Explanation**

You entered a SORT command on a report which cannot be sorted.

System action

No action taken.

User response

None.

ERBA033I**No delta calculation is currently possible.****Explanation**

Probably, you invoked this report for the first time in this Monitor II session and you requested delta mode immediately followed by a sort. RMF Monitor II cannot calculate the delta from just one snapshot, because two snapshots are needed.

System action

RMF displays an empty report.

User response

Press ENTER to get a new snapshot for calculating the delta.

ERBA038I**Specify a valid major name.****Explanation**

You specified an incorrect major name.

System action

No action taken.

User response

A valid name must be specified on this panel. The name may be up to eight characters in length and must consist of the characters A-Z, 0-9, and national characters (@#\$). The first character must be an alphabetic or a national character.

You may not use a single character of **A** or **E** to specify major name and if you use a single **S** or **D** to specify major name, you must also specify a minor name.

ERBA039I**Specify either a volume or a device number.****Explanation**

Specify either a volume or a device number as an option for the DEVV report.

System action

RMF displays the current panel.

User response

Specify the requested data or cancel the dialog.

ERBA040I	Report options changed.
-----------------	--------------------------------

Explanation

After terminating the option dialog, the new options have been activated.

System action

New options now in effect.

User response

None.

ERBA041I	No report options changed.
-----------------	-----------------------------------

Explanation

You terminated the option dialog with the CANCEL command. All changes are discarded.

System action

No action taken.

User response

None.

ERBA042I	The class specified is not valid.
-----------------	--

Explanation

You specified an address space class other than A, B, T, AS, or O.

System action

No action taken.

User response

Enter a correct address space class, or leave the field blank to use the default class A.

ERBA043I	Specify either YES or NO.
-----------------	----------------------------------

Explanation

Only YES or NO are allowed on this input field.

System action

No action taken.

User response

Specify either YES or NO.

ERBA045I**Specify a valid name.****Explanation**

You specified an incorrect name.

System action

No action taken.

User response

A valid name must be specified on this panel. The name may be up to eight characters in length and must consist of the characters A-Z, 0-9, and national characters (@#\$). The first character must be an alphabetic or a national character.

ERBA046I**The device class specified is not valid.****Explanation**

You entered a device class other than DASD, TAPE, COMM, CHRDR, UNITR, or GRAPH.

System action

No action taken.

User response

Specify a valid device class, or leave the field empty to use the default DASD.

ERBA047I**Volume selection is not valid.****Explanation**

You entered an incorrect volume serial number.

System action

No action taken.

User response

You can enter a single volume in the form aaaaaa, a list of volumes in the form aaaaaa,bbbbbb,....,zzzzzz or a range of volumes in the form aaaaaa:zzzzzz, where aaaaaa is the first and zzzzzz is the last volume.

ERBA048I**Specify only one option at a time.****Explanation**

You selected more than one option from a group of options. Only one is allowed.

System action

No action taken.

User response

Leave all fields blank to use defaults, or specify only one option.

ERBA049I**Specify a valid system name.**

Explanation

You specified a system name which contains incorrect characters.

System action

No action taken.

User response

A valid name must be specified on this panel. The name may be up to eight characters in length and must consist of the characters A-Z, 0-9, and national characters (@#\$).

ERBA050I Specify either PAGE or SWAP.

Explanation

You specified an option other than PAGE or SWAP for the PGSP report.

System action

No action taken.

User response

You can specify PAGE or SWAP, or leave the field blank to use the default PAGE.

ERBA052I No report options available for this report.

Explanation

The report currently selected has no report options.

System action

No action taken.

User response

None.

ERBA053I Device or LCU number contains incorrect characters.

Explanation

The device or LCU number specified is not hexadecimal.

System action

No action taken.

User response

Specify a 1 to 5 hexadecimal characters device or a 1 to 4 hexadecimal character LCU number.

ERBA054I Device or LCU number selection is not valid.

Explanation

You entered an incorrect device or LCU number.

System action

No action taken.

User response

You can enter a single number, a list of numbers, or a range of numbers.

- Format for device numbers:

```
[s]aaaa  
[s]aaaa,[t]bbbb,...  
[s]aaaa,[t]bbbb:[u]zzzz
```

where aaaa, bbbb, and zzzz represent 4-digit hexadecimal device numbers and s,t and u represent an optional 1-digit subchannel set ID.

- Format for LCU numbers:

```
aaaa  
aaaa,bbbb,...  
aaaa,bbbb:zzzz
```

where aaaa, bbbb, and zzzz represent 4-digit hexadecimal LCU numbers.

ERBA055I **Storage group selection is not valid.**

Explanation

You entered an incorrect storage group name.

System action

No action taken.

User response

You can enter a single storage group name in the form aaaaaaaa, a list of names in the form aaaaaaaa,bbbbbbbb,...,zzzzzzzz or a range of names in the form aaaaaaaa:zzzzzzzz, where aaaaaaaa is the first and zzzzzzzzz is the last name. If you specify SG, all storage groups are reported.

Storage group names are 1 to 8 characters long.

ERBA056I **Incorrect option command entered.**

Explanation

Within the option dialog, only the commands END, RETURN, CANCEL, and RESET are allowed.

System action

RMF re-displays the current panel.

User response

Use RESET to reset all fields to their defaults as specified in the menu ERBFMENU.

Use CANCEL to leave the dialog without changing anything.

ERBA057I **Error while processing current options.**

Explanation

The options stored in the option table ERBROPT2 are not valid.

System action

RMF re-displays the current panel.

System programmer response

Use ISPF table services to delete the row in ERBROPT2 for the failing report or delete the whole table completely. Then correct the default options of the failing report in ERBFMENU, assemble and re-link the module.

User response

Reissue the command, explicitly specifying all parameters.

ERBA058I	Combination of major name and minor name is too long.
----------	---

Explanation

The maximum length allowed for both fields is 31 bytes. For example, if the major name is 8 bytes long, the minor name must not exceed 23 bytes.

System action

RMF re-displays the current panel.

User response

Omit the minor name and request a report for the major name only.

ERBA059I	Specify a valid volume name.
----------	------------------------------

Explanation

The volume name specified contains incorrect characters.

System action

RMF re-displays the current panel.

User response

Specify a valid volume name. The name may be up to six characters in length and must consist of the characters A-Z, 0-9, and national characters (@#\$).

ERBA060I The following module abended: mmmmmm - Scde: scde"> Rcde: rcde">

Explanation

The specified module abended with system completion code *scde* and reason code *rcde*.

System action

RMF displays an error panel requesting user input. If the error did not occur during initialization, RMF returns to the primary panel. Otherwise, the session is ended normally.

User response

Specify Y or N on the error panel to indicate whether a dump should be generated. Contact your system programmer.

ERBA061I**ABEND U1403 from ERBRMFPL - input error.**

Explanation

RMF's putline routine, module ERBRMFPL, was passed an incorrect input parameter. The text length was 0 or greater than 79, or the data type contained a value other than HD or DT. RMF may be running with a back level or incorrectly modified copy of module ERBFMENU.

System action

RMF displays an error panel requesting user input. If the error did not occur during initialization, RMF returns to the primary panel. Otherwise, the session is ended normally.

System programmer response

Verify that the user report contains a data type value of HD or DT.

User response

Specify Y or N on the error panel to indicate whether a dump should be generated. Contact your system programmer.

ERBA062I**ABEND U1404 from ERBPUTSM - too many header or data lines.**

Explanation

RMF module ERBPUTSM was called to add a header line to the logical terminal buffer, but ERBPUTSM found the maximum number of header or data lines already in the buffer. The maximum number of header lines is 2; the maximum number of data lines cannot exceed the number of relocate blocks specified in the PICTURE macro.

System action

RMF displays an error panel requesting user input. If the error did not occur during initialization, RMF returns to the primary panel. Otherwise, the session is ended normally.

System programmer response

Modify the PICTURE macro specified in ERBFMENU, if desired. Otherwise, correct the program that creates the user report.

User response

Specify Y or N on the error panel to indicate whether a dump should be generated. Contact your system programmer.

ERBA063I**ABEND U1405 from ERBPUTSM - input error.**

Explanation

RMF module ERBPUTSM was called to add a text string to the logical terminal buffer, but the length specified for the text was zero.

System action

RMF displays an error panel requesting user input. If the error did not occur during initialization, RMF returns to the primary panel. Otherwise, the session is ended normally.

System programmer response

Correct the program that creates the user report.

User response

Specify Y or N on the error panel to indicate whether a dump should be generated. Contact your system programmer.

ERBA064I	ABEND U1402 - incorrect entry code to data gatherer or data reporter.
-----------------	--

Explanation

A data gatherer or data reporter session issued return code 8 to indicate that it detected an incorrect entry code in its input parameters.

System action

RMF displays an error panel requesting user input. If the error did not occur during initialization, RMF returns to the primary panel. Otherwise, the session is ended normally.

System programmer response

If the user program issues a return code 8 for a valid entry code, correct the user program.

If the entry code is not valid, report the problem to the IBM Support Center. For details about valid entry codes, see *z/OS Resource Measurement Facility Programmer's Guide*.

User response

Specify Y or N on the error panel to indicate whether a dump should be generated. Contact your system programmer.

ERBA065I	The following module abended: mmmmmm - Ucode: ucde"> Rcde: rcde">
-----------------	--

Explanation

The specified module abended with user completion code *ucde* and reason code *rcde">*.

System action

RMF displays an error panel requesting user input. If the error did not occur during initialization, RMF returns to the primary panel. Otherwise, the session is ended normally.

User response

Specify Y or N on the error panel to indicate whether a dump should be generated. Contact your system programmer.

ERBA066I	No commands are allowed on this screen.
-----------------	--

Explanation

You entered a command on the command line of the error panel shown. No commands are allowed on this panel.

System action

No action taken.

User response

Clear the command line and specify Y or N on the error panel to indicate whether a dump should be generated.

ERBA067I**Specify either Y or N.**

Explanation

The error panel shown requires input to indicate whether a dump should be generated. Y and N are the only valid responses.

System action

No action taken.

User response

Specify Y or N on the error panel to indicate whether a dump should be generated.

ERBA069I**No option specified for report *report***

Explanation

You entered a report command that requires an option and did not specify any option. No default option is available.

System action

RMF continues the session and waits for the next command.

User response

Reissue the command and specify the required option.

ERBA070I**Timeout during data retrieval from system *sys_id*.**

Explanation

During the data retrieval from the remote system *sys_id*, RMF recognized a timeout. Severe performance degradation on the remote system may have caused this situation.

System action

RMF continues the session and waits for the next command.

User response

Reissue the command for the remote system later.

ERBA075I**Cross-System reporting currently not available.**

Explanation

The local RMF address space with the RMF Sysplex Data Server is inactive. Therefore, no data for remote reporting can be retrieved. Reports can be created only for the local system, that is, the system on which the reporter session is running.

System action

RMF continues the session and waits for the next command.

User response

Continue to issue commands for the local system.

ERBA076I**System not available in accessible data.**

Explanation

A report was requested for a remote system. RMF was unable to retrieve data for this report, because no system in the sysplex with an active RMF address space and a running RMF Sysplex Data Server has an SMF system-ID matching the one specified.

System action

RMF continues the session and waits for the next command.

User response

Continue to issue commands for other systems.

ERBA077I**Data for report type *report* is unavailable from system *system*.**

Explanation

You have requested a report from a remote system. RMF was unable to retrieve data for this report, because this report type is not supported in the RMF release installed at the remote system.

System action

RMF continues the session and waits for the next command.

User response

Continue to issue commands for other systems.

ERBA078I**System change in DELTA mode. Press ENTER for the next delta.**

Explanation

During a reporter session in DELTA mode, reporting was switched from one system in the sysplex to another. This message is issued instead of displaying a delta between two reports that were created on different systems.

System action

RMF establishes the base for delta-mode reporting on the new system, and waits for the next command.

User response

Press ENTER to get the first delta report for the specified system.

ERBA079I**RMF Sysplex Data Server not active on this system.**

Explanation

The local RMF address space with the RMF Sysplex Data Server is inactive. Therefore, no data is available for this report.

System action

RMF continues the session and waits for the next command.

User response

Continue to issue commands for other reports.

ERBA080I**Service *name* failed with return code *rc***

Explanation

RMF invoked the IFAEDREG or IFAEDDRG service for registration or deregistration. The service returned with a code greater than 4.

System action

RMF discontinues its processing, and terminates immediately.

User response

See *z/OS MVS System Management Facilities (SMF)*.

ERBA081I**HFS data is not available.**

Explanation

There is no HFS data available for reporting. RMF was not able to obtain the requested data. The following are potential reasons:

- The specified or selected file system is not mounted, or may not exist.
- The OMVS kernel is not ready.
- You are not defined as an OMVS user.

System action

No action taken, RMF waits for the next input.

User response

In case of the first error, use the RO command to call the Report Options panel and select or specify a mounted file system.

By specifying **Display: Yes** , you get a list of all mounted file systems.

ERBA082I**Only one file system name can be selected.**

Explanation

Several file system names have been selected by placing "S" in front of the name, only one "S" is allowed.

System action

No file system name is selected.

User response

Select one file system name only.

Explanation

No file system name has been specified or selected on the Report Options panel or as command parameter.

System action

The HFS report does not contain any data.

User response

Specify or select a valid file system name on the Report Options panel or as command parameter.

A file system name qualifier must begin with an alphabetic character (A-Z, \$, @, or #). The remaining characters must be either uppercase alphanumeric or a hyphen (-). A period is used to connect each qualifier in the file system name.

The CANCEL command can be used to exit the Report Options panel.

Explanation

The file system name which has been specified on the Report Options panel or as command parameter does not adhere to the MVS/TSO rules for data set names.

System action

RMF either waits for the next input on the Report Options panel or displays an empty report.

User response

- If you have specified in the Report Options panel a name which is not valid, you may request the list of all mounted file system names by specifying **Display: Yes**.
- If you have given the name as command parameter, you can use the value that is specified in the Report Options panel just by calling the **HFS** command **without** a parameter.

A file system name qualifier must begin with an alphabetic character (A-Z, \$, @, or #). The remaining characters must be either uppercase alphanumeric or a hyphen (-). A period is used to connect each qualifier in the file system name.

Explanation

The selection code which was entered is not valid.

System action

No action taken, RMF waits for the next input.

User response

Enter "S" in the selection column to select a specific file system name.

Explanation

Besides END and RETURN, only CANCEL is accepted on this screen as command input.

System action

No action taken, RMF waits for the next input.

User response

Specify END, RETURN, or CANCEL.

ERBA087I

Only FIND, RFIND, or CANCEL is accepted.

Explanation

Besides END and RETURN, only FIND, RFIND, or CANCEL is accepted on this screen as command input.

System action

No action taken, RMF waits for the next input.

User response

Specify END, RETURN, FIND, RFIND or CANCEL.

ERBA088I

Command must not have parameters.

Explanation

There is no parameter allowed for this command.

System action

RMF rejects the command or displays an empty report.

User response

Enter the command without any parameters.

ERBA090I

HFS file system names are not available from system *sys_id*.

Explanation

There are no HFS file system names available for reporting. RMF was not able to obtain the file system names from the selected system. The following are potential reasons:

- You are not defined as an OMVS user.
- The OMVS kernel is not ready.

System action

No action taken, RMF waits for the next input.

User response

Ensure that you are defined as an OMVS user, and that OMVS is running on the selected system.

ERBA092I**Incomplete data. Data of too many devices requested.****Explanation**

The RMF data gatherer can not process data for more than 65535 devices.

System action

RMF continues the session and waits for the next display command.

User response

Specify a device number range which does not encompass more than 65535 devices, for example, 0000:0FFFF.

ERBB100I**Value must be between *first* and *last*****Explanation**

You specified a value outside the valid range.

System action

No action taken.

User response

Specify a number between *first* and *last*.

ERBB101I**RECORD is accepted only if an Overview record data set is specified.****Explanation**

You specified the option RECORD for the Overview report, however, you have not specified an Overview record data set.

System action

No action taken.

User response

Either remove the RECORD option for the Overview report, or specify YES in the output data field on the Postprocessor Setup panel ERBPPUT to specify an output data set for Overview records.

ERBB102I**END time must be later than START time.****Explanation**

You specified an END time that is earlier than the specified START time.

System action

No action taken.

User response

Specify an END time (ETOD, RTOD, or STOD) that is later than the START time.

To generate a report for the same time interval over several days, enter a Reporting End date that is greater than the Start date.

ERBB105I

Option must be NO, INT, TOT or TOT,INT.

Explanation

You specified a SUMMARY option that is not valid.

System action

No action taken.

User response

Specify one of the following SUMMARY options:

NO

No summary report will be produced.

INT

Reports one interval summary line for each measurement interval in the reporting period.

TOT

Reports one total summary line for all measurement intervals in the reporting period.

INT,TOT or TOT,INT

Reports both interval summary lines and total summary lines.

ERBB106I

Option, if any, must be RECORD, REPORT or REPORT,RECORD.

Explanation

You specified an OVERVIEW option that is not valid.

System action

No action taken.

User response

Specify one or both (in either order) of the following OVERVIEW options:

REPORT

Requesting an Overview report to be written.

RECORD

Requesting Overview records to be written to a predefined data set.

ERBB107I

Option must be YES or NO.

Explanation

The option you specified is not valid.

System action

No action taken.

User response

To select an item, specify YES. If you do not want to select an item, specify NO.

ERBB108I**Session ID is not valid****Explanation**

The Session ID you specified is not valid.

System action

No action taken.

User response

Specify a valid two-character alphanumeric Session ID.

ERBB109I**SYSOUT class is not valid.****Explanation**

The SYSOUT class you specified is not valid.

System action

No action taken.

User response

Specify a valid alphanumeric SYSOUT class.

ERBB110I**DSNAME is not valid.****Explanation**

The data set name you specified is incorrect.

System action

No action taken.

User response

Specify a valid MVS data set name that begins with an alphabetic character (A-Z) or a national character (@#\$). Subsequent characters can also include numbers. A period is used to connect each qualifier in the data set name.

If you specify a data set name without enclosing it in quotes, your PREFIX (usually your user ID) is added in front as the high-level qualifier.

ERBB111I**Input must be numeric.****Explanation**

You specified a nonnumeric value.

System action

No action taken.

User response

Specify a numeric value.

ERBB112I **DDNAME is not valid.****Explanation**

The DDNAME you specified is not valid.

System action

No action taken.

User response

Specify a valid DDNAME that may consist of up to eight alphanumeric characters. The first character must be alphabetic (A-Z) or a national character (@#\$).

ERBB113I **You must specify at least one data set or SMF log stream name.****Explanation**

You did not specify a data set or log stream name.

System action

No action taken.

User response

If this message occurs on the Postprocessor Input panel (ERBPPIP), specify at least one SMF input data set or log stream, or change your entry in the Input Data field (on the Postprocessor Setup panel) from DATASET/SMFLOG to SDS.

If this message occurs on the Postprocessor Output panel (ERBPOT), specify at least one report, message, or Overview data set, or change your entry in the Output Data field (on the Postprocessor Setup panel) from YES to NO.

ERBB114I **Data set verification for Report Profile results in: *message*****Explanation**

You specified an unusable Report Profile data set.

System action

No action taken.

User response

Ensure that:

- The member, data set, or volume name is valid
- You have at least read access to the member, data set, or volume
- Member names are specified only for partitioned data sets

Note: UNAVAILABLE DATASET means that another user has exclusive access to the specified data set.

ERBB115I **Member not specified for partitioned data set *data-set-name*****Explanation**

You specified a partitioned data set without a member name for the Report Profile data set.

System action

No action taken.

User response

Specify either a sequential data set or a partitioned data set together with a member name for the Report Profile.

ERBB116I Data set organization (DSORG = *dsorg*, RECFM = *recfm*) is not usable for Report Profile data set *data-set-name*

Explanation

The Report Profile data set *data-set-name* does not match the supported data set organization.

System action

No action taken.

User response

Specify the data set organization (DSORG) for your Report Profile data set as one of the following:

PS

Physical sequential

PSU

Physical sequential unmovable

PO

Partitioned organization

POU

Partitioned organization unmovable

Record format (RECFM) must be one of the following:

F

Records of fixed length

FB

Records of fixed length blocked

V

Records of variable length

VB

Records of variable length blocked

ERBB117I The command you entered is not valid.

Explanation

You entered a command that is not valid on this panel.

System action

No action taken.

User response

Enter a valid command.

On a selection panel, use one of the commands or selections shown.

On other panels, valid commands are displayed at the bottom of the screen.

ERBB118I**Specified options have been saved.****Explanation**

Your Postprocessor Options panel entries have been saved in the application profile pool. These entries will be displayed the next time you use the Postprocessor dialog.

System action

Specified options have been saved.

User response

None.

ERBB119I**Job has been submitted successfully.****Explanation**

Your Postprocessor Options panel entries were used to create JCL that has been saved in the application profile pool. These entries will be displayed the next time you use the Postprocessor dialog.

System action

Your job has been submitted successfully.

User response

None.

ERBB120I**Press the END key to submit the job, or enter CANCEL.****Explanation**

While in edit, you may either press END to submit the job or enter CANCEL to quit without saving any changes.

System action

No action taken.

User response

Make any necessary changes and press END to submit the job, or enter CANCEL to quit without saving changes.

ERBB121I**Input Data must be DATASET, SDS or SMFLOG.****Explanation**

You specified a value for Input Data that is not valid.

System action

No action taken.

User response

Specify one of the following in the Input Data field:

- **DATASET** to display the *Postprocessor Input* panel where you may enter up to 14 SMF data set names.

- **SDS** to have the report generated using Sysplex Data Services to access the SMF buffers.
- **SMFLOG** to display the *Postprocessor Input* panel where you may enter up to 14 SMF log stream names.

ERBB122I**Specify only one format for Reporting DATE.**

Explanation

You specified two formats for Reporting DATE. You can only specify one.

System action

No action taken.

User response

Specify either a Julian date, in the form yy.ddd (for example, 98.158 for June 7, 1998), or a calendar date, in the form mm/dd/yyyy (for example, 06/07/1998).

ERBB123I**End date must be equal to or later than Start date.**

Explanation

You specified a Reporting End date that is before the specified Start date.

System action

No action taken.

User response

To generate a report for one day, enter the same Reporting Start and End date.

To generate a report for the same time interval over several days, enter reporting End date that is greater than the Start date.

ERBB124I**SMF log stream name is not valid.**

Explanation

The log stream name you specified is incorrect.

System action

No action taken.

User response

Specify a valid log stream name that begins with an alphabetic character (A-Z) or a national character (@#\$). Subsequent characters can also include numbers. A period is used to connect each qualifier in the log stream name.

Chapter 2. Distributed Data Server messages - GPM

This topic lists all messages issued by the Distributed Data Server (DDS) and RMF Performance Monitoring (RMF PM) using the following message ranges:

GPM host messages:

GPM050I - GPM083E

DDS - GPMSERVE messages displayed on the host console

GPM250I - GPM283E

DDS - GPM4CIM messages displayed on the host console

GPM workstation messages:

GPM0111I - GPM0456I

RMF PM messages

GPM0500I - GPM0749E

DDS HTTP API messages (both GPMSERVE or GPM4CIM)

GPM0801I - GPM0904I

RMF PM messages

GPM1001I - GPM1008I

DDS HTTP API messages (GPM4CIM)

GPM050I**GPMSERVE CANNOT FIND MEMBER *member* IN PARMLIB**

Explanation

The DDS host server address space cannot find the specified PARMLIB member.

System action

The host server continues the initialization using default parameters.

Operator response

Inform the system programmer.

System programmer response

Make sure that a valid GPM\$RVxx PARMLIB member exists in the parameter library (usually the PARMLIB concatenation).

GPM051I**TCP/IP IS NOT CURRENTLY OPERATIONAL ON THE HOST**

Explanation

TCP/IP is either not active on the host, or not customized correctly. The GPM\$SERVE address space has detected that TCP/IP services are not available.

System action

The host server terminates.

Operator response

Inform the system programmer.

System programmer response

Make sure that TCP/IP is customized correctly and is active before the Distributed Data Server host server is started.

GPM052I **TRACE IS NOW (IN)ACTIVE**

Explanation

This message is issued in response to the MODIFY command for the GPMSERVE address space with the TRACEON or TRACEOFF option.

System action

If the trace is active, GPMSERVE puts its trace output to DDNAME SYSOUT. If the trace is inactive, GPMSERVE no longer writes trace output to DDNAME SYSOUT.

GPM056I **SYNTAX ERROR IN GPMSRVxx MEMBER. LINE: // NEAR TEXT 'tttttt'**

Explanation

A syntax error was detected in the GPMSRVxx member. The error was detected in the line that is indicated in the message, and the string indicates the erroneous text.

System action

The server is terminated immediately.

System programmer response

Correct the erroneous option member.

GPM057I **SPECIFIED HOSTNAME *host* CANNOT BE RESOLVED**

Explanation

One of the following parameters in the GPMSRVxx member contains a hostname that cannot be resolved by the name server:

- SERVERHOST
- HTTP_ALLOW
- HTTP_NOAUTH

System action

The indicated hostname is discarded.

System programmer response

Correct the erroneous option member.

GPM058I **I/O ERROR READING PARMLIB MEMBER *name***

Explanation

The DDS host server address space detected an I/O error reading the specified PARMLIB member.

System action

The server is terminated immediately.

Operator response

Inform the system programmer.

System programmer response

Make sure that a valid GPMSRVxx PARMLIB member exists in the parameter library (usually the PARMLIB concatenation).

GPM059I **COMMAND *command* IS NOT VALID**

Explanation

The MODIFY command that was issued against the DDS data server is not a valid command.

System action

The command is ignored.

User response

Specify a valid command.

GPM060I **RMF DISTRIBUTED DATA SERVER READY FOR COMMANDS**

Explanation

The DDS server is now accepting commands from the console.

User response

None.

GPM061I **OPTIONS IN EFFECT: *options***

Explanation

This message lists the currently active options for the DDS server.

User response

None.

GPM062I ***component last_status***

Explanation

This message displays the status of an active component of the DDS server. The component may be:

DDS-REFR

The automatic data refresher

DM-SERV

The datagram server

INET-LIS

Task that listens for incoming TCP/IP requests

CMD-HNDL

MODIFY command handler

INET-CLI

TCP/IP client

UNIX-CLI

UNIX client

HTTP-LIS

The task that listens for incoming HTTP requests

HTTP-CLI

HTTP session client

System action

None

User response

None

GPM063I**PERMANENT ERROR IN DM/390 SERVER THREAD****Explanation**

The DDS host server has detected that the component that processes incoming performance request datagrams has abnormally terminated. The most probable cause for this problem is, that TCP/IP is inactive or has produced an error.

System action

The DDS tries to restart the component. If the restart attempt is unsuccessful, the component is deactivated.

System programmer response

Make sure that all required prerequisites for the component are operational (for example, TCP/IP).

Make sure that the specified port in the GPMSRVxx PARMLIB member (DATAGRAM_PORT option) is free and can be used by the DDS.

GPM064I**PERMANENT ERROR IN UNIX SESSION SERVER****Explanation**

The DDS host server has detected that the component that accepts incoming session requests via UNIX domain sockets has abnormally terminated.

System action

The DDS tries to restart the component. If the restart attempt is unsuccessful, the component is deactivated.

System programmer response

Make sure that all required prerequisites for the component are operational (mainly z/OS UNIX System Services).

Make sure that the pathname

```
/tmp/gpmserve/http.socket
```

is free and can be used by the DDS.

If more than one instance of the DDS is started, this message appears for all instances except the first one, because the UNIX socket pathname cannot be shared by different servers. In this case, always the first server handles incoming UNIX session requests.

GPM066I**RMF DISTRIBUTED DATA SERVER HAS TERMINATED**

Explanation

The DDS host server has terminated.

System action

None

System programmer response

None

GPM067I**VALUE *xxxx* IS NOT ALLOWED FOR OPTION *yyyyy***

Explanation

The specified option value is not allowed or outside the allowed range for the option.

System action

The server is terminated immediately.

System programmer response

Correct the erroneous option member.

GPM068I**PERMANENT ERROR IN HTTP SERVER THREAD**

Explanation

The DDS host server has detected that the component processing incoming HTTP session requests has abnormally terminated. The most probable cause for this problem is, that TCP/IP is inactive or has produced an error.

System action

The DDS tries to restart the component. If the restart attempt is unsuccessful, the component is deactivated.

System programmer response

Make sure that all required prerequisites for the component are operational (for example, TCP/IP). Make sure that the specified port in the GPMSRVxx PARMLIB member (HTTP_PORT option) is free and can be used by the DDS.

GPM069S**SEVERE ERROR: ALLOCATION FAILED FOR CACHE STORAGE IN
FUNCTION *function_name***

Explanation

The server has detected a problem when trying to allocate additional storage for the data cache. The most probable cause for this problem is, that the REGION size is too small.

System action

The server is terminated with a fatal error.

System programmer response

- Increase the REGION parameter on the JOB or EXEC record.
- Make sure that the requested region size is really available to the server program (check that the system exit IEFUSI does not reduce the requested region size).
- Reduce the number of cache slots in the PARMLIB member GPMSRVxx (CACHESLOTS option). The default number of slots is 4.

GPM070S

NON-RMF VERSION OF MODULE ERB3XDRS DETECTED

Explanation

The server has detected that the RMF service ERB3XDRS has returned an invalid return code/reason code of 16/0. This combination of return code and reason code is not defined for RMF, but has been used by a vendor product to indicate that the ERB3XDRS service is not supported by this vendor product.

System action

The server is terminated with a fatal error.

System programmer response

Make sure that only the RMF version of the ERB3XDRS loadmodule is in the library concatenation or LINKLIST.

GPM071S

REGION SIZE IS TOO SMALL FOR THE SPECIFIED NUMBER OF CACHESLOTS

Explanation

The estimated storage size for the data cache exceeds the virtual storage size for the server address space. The DDS server calculates the required storage size by multiplying the measured size for the first cache slot with the number of configured cache entries (see CACHESLOTS parameter in GPMSRVxx). The size of the first cache slot is shown in the SYSPRINT output file. The most probable cause for this problem is, that the REGION size is too small.

System action

The server is terminated with a fatal error.

System programmer response

Check the following items:

- Increase the REGION size parameter on the JOB or EXEC card.
- Make sure that the requested region size is really available to the server program, for example, check that the IEFUSI system exit does not reduce the requested region size.
- Reduce the number of cache slots in the GPMSRVxx PARMLIB member (CACHESLOTS option). The default number of slots is 4, the minimum number is 3.

GPM072I

XML ERROR *error_type*

Explanation

The GPMEXSYS or the GPMEXUSR file, or both, contain incorrect XML.

System programmer response

Correct the XML in the GPMEXSYS or GPMEXUSR file. In case of a permanent error, report the problem to the IBM Support Center.

GPM073I	CANNOT BIND TO TCP/IP port <i>port</i> on <i>xxxxxx</i>
----------------	--

Explanation

The DDS server is unable to use one of the configured TCP/IP ports on the host. The most probable reason for that message is, that another application or another copy of the DDS server is already using the specified port.

System action

The server is terminated.

System programmer response

Check that no other application or no second copy of the DDS server is running that is using the specified port.

GPM074I	FAILURE CREATING REGULAR EXPRESSION FOR {HTTP_ALLOW HTTP_NOAUTH}
----------------	---

Explanation

The HTTP_ALLOW or HTTP_NOAUTH specification in the GPMSRVxx member contains invalid data.

System action

The server is terminated immediately.

System programmer response

Correct the erroneous option member.

GPM075I	UNEXPECTED LOGIC ERROR IN RMF DDS. SERVER WILL BE SHUT DOWN.
----------------	---

Explanation

An internal unexpected logic error occurred in the DDS.

System action

The DDS host server is terminated.

User response

Report the problem to the IBM Support Center.

GPM076I	GPMSERVE REGISTER ERROR. UNEXPECTED RETURN CODE FROM IWMSRSRG.
----------------	---

Explanation

The DDS encountered an unexpected return code from IWMSRSRG during registration for sysplex routing.

System action

The DDS was not able to register itself to sysplex routing.

System programmer response

Verify the access definitions for the DDS. The calling DDS userID must either have the attribute TRUSTED or must have explicit READ access to the BPX.WLMSEVER Facility. Otherwise, the DDS cannot propagate hostname and port number for potential exploiters.

GPM077I**GPMSEVER ALREADY ACTIVE. START PROCEDURE ABORTED.**

Explanation

Another DDS instance is already active on the system.

This message may also occur if the RMF DDS option is active and RMF moves the active DDS instance from one system of the sysplex to another system.

System action

The current start procedure is aborted.

System programmer response

If the RMF DDS option is active, RMF checks periodically if there is an active DDS instance within the sysplex and retries the start of the DDS so that message GPM077I can be ignored.

GPM078I**GPMSEVER HAS LOST TCPIP CONNECTIVITY ON PORT *port*.**

Explanation

TCPIP connectivity on the indicated port is no longer available.

System action

GPMSEVER tries to reconnect until TCP/IP is available again. When GPMSEVER has successfully reconnected, message GPM079I is issued.

GPM079I**GPMSEVER HAS REINSTATED TCPIP CONNECTIVITY ON PORT *port*.**

Explanation

TCPIP connectivity is available again on the indicated port.

System action

Requests on this port are serviced again by GPMSEVER.

GPM083E**LOGIN FOR USER *userid* REJECTED. ERROR DURING RACF CHECK.
ERRNO=*xxxx*.**

Explanation

The user could not login to the DDS server. The z/OS UNIX System Services return code (ERRNO) is reported.

System action

The DDS server continues processing.

Operator response

Notify your system programmer.

System programmer response

Examine the return code and correct the problem. For information on the return code, see *z/OS UNIX System Services Messages and Codes*.

When the return code EPERM is reported, either the DDS server has no read access to the BPX.SERVER FACILITY or the user has no read access to the the ERBSDS.MON3DATA profile.

Your security product may have displayed additional messages.

GPM250I **GPM4CIM CANNOT FIND CONFIGURATION FILE *config_file***

Explanation

The DDS host server address space cannot find the specified configuration file.

System action

The host server continues the initialization using default parameters.

Operator response

Inform the system programmer.

System programmer response

Make sure that a valid GPM4CIM configuration file exists.

GPM251I **TCP/IP IS NOT CURRENTLY OPERATIONAL ON THE HOST**

Explanation

TCP/IP is either not active on the host, or not customized correctly. The GPM4CIM address space has detected that TCP/IP services are not available.

System action

The host server terminates.

Operator response

Inform the system programmer.

System programmer response

Make sure that TCP/IP is customized correctly and is active before the Distributed Data Server host server is started.

GPM252I **TRACE IS NOW (IN)ACTIVE**

Explanation

This message is issued in response to the MODIFY command for the GPM4CIM address space with the TRACEON or TRACEOFF option.

System action

If the trace is active, GPM4CIM puts its trace output to DDNAME STDERR. If the trace is inactive, GPM4CIM no longer writes trace output to STDERR.

GPM253I **SMF RECORDING IS NOW [ON|OFF]**

Explanation

This message is issued in response to the MODIFY command for the GPM4CIM address space with the RECORD or NORECORD option.

System action

If SMF recording is active, RMF XP writes SMF 104 records. If SMF recording is inactive, RMF XP no longer writes SMF 104 records.

GPM256I **SYNTAX ERROR IN CONFIGURATION FILE. LINE: // NEAR TEXT 'tttttt'**

Explanation

A syntax error was detected in the GPM4CIM configuration file. The error was detected in the line that is indicated in the message, and the string indicates the erroneous text.

System action

The server is terminated immediately.

System programmer response

Correct the erroneous configuration file.

GPM257I **SPECIFIED HOSTNAME *host* CANNOT BE RESOLVED**

Explanation

One of the following parameters in the GPM4CIM configuration file contains a hostname that cannot be resolved by the name server:

- SERVERHOST
- HTTP_ALLOW
- HTTP_NOAUTH

System action

The indicated hostname is discarded.

System programmer response

Correct the erroneous configuration file.

GPM258I **I/O ERROR DETECTED READING CONFIGURATION FILE *config_file***

Explanation

The DDS host server address space detected an I/O error reading the specified GPM4CIM configuration file.

System action

The server is terminated immediately.

Operator response

Inform the system programmer.

System programmer response

Make sure that a valid GPM4CIM configuration file exists.

GPM259I **COMMAND *command* IS NOT VALID**

Explanation

The MODIFY command that was issued against the DDS data server is not a valid command.

System action

The command is ignored.

User response

Specify a valid command.

GPM260I **RMF XP DISTRIBUTED DATA SERVER READY FOR COMMANDS**

Explanation

The RMF XP DDS server is now accepting commands from the console.

User response

None.

GPM261I **OPTIONS IN EFFECT: *options***

Explanation

This message lists the currently active options for the RMF XP DDS server.

User response

None.

GPM262I ***component last_status***

Explanation

This message displays the status of an active component of the DDS server. The component may be:

DDS-REFR

The automatic data refresher

CMD-HNDL

MODIFY command handler

HTTP-LIS

The task that listens for incoming HTTP requests

HTTP-CLI

HTTP session client

System action

None

User response

None

GPM266I**RMF XP DISTRIBUTED DATA SERVER HAS TERMINATED****Explanation**

The RMF XP DDS host server has terminated.

System action

None

System programmer response

None

GPM267I**VALUE *xxxx* IS NOT ALLOWED FOR OPTION *yyyyy*****Explanation**

The specified option value is not allowed or is outside the allowed range for the option.

System action

The server is terminated immediately.

System programmer response

Correct the erroneous configuration file.

GPM268I**PERMANENT ERROR IN HTTP SERVER THREAD****Explanation**

The DDS host server has detected that the component processing incoming HTTP session requests has abnormally terminated. The most probable cause of this problem is that TCP/IP is inactive or has produced an error.

System action

The DDS tries to restart the component. If the restart attempt is unsuccessful, the component is deactivated.

System programmer response

Make sure that all required prerequisites for the component are operational (for example, TCP/IP). Make sure that the specified port in the GPM4CIM configuration file (HTTP_PORT option) is free and can be used by the DDS.

GPM269S**SEVERE ERROR: ALLOCATION FAILED FOR CACHE STORAGE IN
FUNCTION *function_name*****Explanation**

The server has detected a problem when trying to allocate additional storage for the data cache. The most probable cause for this problem is, that the REGION size is too small.

System action

The server is terminated with a fatal error.

System programmer response

- Increase the REGION parameter on the JOB or EXEC record.
- Make sure that the requested region size is really available to the server program (check that the system exit IEFUSI does not reduce the requested region size).
- Reduce the number of cache slots in the GPM4CIM configuration file (CACHESLOTS option). The default number of slots is 4.

GPM271S**REGION SIZE IS TOO SMALL FOR THE SPECIFIED NUMBER OF
CACHESLOTS**

Explanation

The estimated storage size for the data cache exceeds the virtual storage size for the server address space. The DDS server calculates the required storage size by multiplying the measured size for the first cache slot with the number of configured cache entries (see CACHESLOTS parameter in GPM4CIM configuration file). The most probable cause for this problem is, that the REGION size is too small.

System action

The server is terminated with a fatal error.

System programmer response

Check the following items:

- Increase the REGION size parameter on the JOB or EXEC card.
- Make sure that the requested region size is really available to the server program, for example, check that the IEFUSI system exit does not reduce the requested region size.
- Reduce the number of cache slots in the GPM4CIM configuration file (CACHESLOTS option). The default number of slots is 4, the minimum number is 3.

GPM273I**CANNOT BIND TO TCP/IP PORT *nnnn* ON *xxxxxx***

Explanation

The DDS server is unable to use one of the configured TCP/IP ports on the host. The most probable reason for that message is, that another application or another copy of the DDS server is already using the port.

System action

The server is terminated.

System programmer response

Check that no other application is running that is using the specified port number and that no second copy of the DDS server is running, that uses the specified port.

GPM274I**FAILURE CREATING REGULAR EXPRESSION FOR {HTTP_ALLOW |
HTTP_NOAUTH}**

Explanation

The HTTP_ALLOW or HTTP_NOAUTH specification in the GPM4CIM configuration file contains invalid data.

System action

The server is terminated immediately.

System programmer response

Correct the erroneous configuration file.

GPM275I	UNEXPECTED LOGIC ERROR IN GPM4CIM. SERVER WILL BE SHUT DOWN.
----------------	---

Explanation

An internal unexpected logic error occurred in the DDS.

System action

The DDS host server is terminated.

User response

Report the problem to the IBM Support Center.

GPM276I	GPM4CIM REGISTER ERROR. UNEXPECTED RETURN CODE FROM IWMSRSG.
----------------	---

Explanation

The DDS encountered an unexpected return code from IWMSRSG during registration for sysplex routing.

System action

The DDS was not able to register itself to sysplex routing.

System programmer response

Verify the access definitions for the DDS. The calling DDS userID must either have the attribute TRUSTED or must have explicit READ access to the BPX.WLMSEVER Facility. Otherwise, the DDS cannot propagate hostname and port number for potential exploiters.

GPM278I	GPM4CIM HAS LOST TCP/IP CONNECTIVITY ON PORT <i>port</i>.
----------------	--

Explanation

TCP/IP connectivity on the indicated port is no longer available.

System action

GPM4CIM tries to reconnect until TCP/IP is available again. When GPM4CIM has successfully reconnected, message GPM279I is issued.

GPM279I	GPM4CIM HAS REINSTATED TCP/IP CONNECTIVITY ON PORT <i>port</i>.
----------------	--

Explanation

TCP/IP connectivity is available again on the indicated port.

System action

Requests on this port are serviced again by GPM4CIM.

GPM280I	RMF XP INTERVAL PROCESSING COMPLETE
----------------	--

Explanation

RMF XP has completed the processing for the current interval. The most recent data from the remote systems is now available for reporting.

System action

RMF XP waits for the next interval completion according to the INTERVAL parameter specified in the configuration file. If SMF recording is active, RMF XP writes the SMF 104 records.

GPM281E	ERROR DURING RMF XP SMF RECORDING. CODE=xxxx. ERRNO2=yyyy. TYPE=type(subtype).
----------------	---

Explanation

RMF XP was unable to write SMF records. The z/OS UNIX System Services return code (CODE) and reason code (ERRNO2), and the type and subtype (TYPE) of the requested SMF record are reported.

System action

RMF XP continues without SMF recording.

Operator response

Notify your system programmer.

System programmer response

Examine the error codes and correct the problem. For information on the return or reason codes, see *z/OS UNIX System Services Messages and Codes*.

In case of a permanent error, contact the IBM Support Center.

GPM283E	LOGIN FOR USER <i>userid</i> REJECTED. ERROR DURING RACF CHECK. ERRNO=xxxx.
----------------	--

Explanation

The user could not login to the DDS server. The z/OS UNIX System Services return code (ERRNO) is reported.

System action

The DDS server continues processing.

Operator response

Notify your system programmer.

System programmer response

Examine the return code and correct the problem. For information on the return code, see *z/OS UNIX System Services Messages and Codes*.

When the return code EPERM is reported, the RMF XP server has no read access to the BPX.SERVER FACILITY.

Your security product may have displayed additional messages.

GPM0111I	No resources or work scopes available.
-----------------	---

Explanation

Trying to request resources or work scopes from the DDS failed because no host connection is established or RMF is not started.

System action

No resources can be supplied in the list.

User response

Report the problem to the IBM Support Center.

GPM0112I Invalid simple filter expression.

Explanation

The filter expression is not valid.

User response

Enter a correct pattern or delete the pattern.

One or more name patterns in form of a simple expression to be matched against the names in the list of (name,value)-pairs can be entered in the entry field.

Example: Define a filter for job names

- XJSMITH1
- *MASTER*
- All BAxx, where xx is any two characters
- All starting with CIC
- All with HOT somewhere in the name

You have to specify in the entry field: XJSMITH1 | *MASTER* | BA?? | CIC* | *HOT*

The list below the entry field provides valid names that can be used as patterns. Selecting a name in the list chains it with a '|' to the existing pattern in the entry field. The '|' character means 'or'.

GPM0113I Upper or lower bound is not a value.

Explanation

Either the upper or the lower bound is not a decimal number.

User response

Enter a decimal number in either the upper bound or the lower bound.

GPM0114I Lower bound is greater than upper bound.

Explanation

If both upper and lower bound are specified, the upper bound must be greater or equal to the lower bound.

User response

Enter an upper bound greater or equal to a lower bound or delete a bound.

GPM0115I List limit is not an integer greater than 0.

Explanation

The list length must be a positive integer.

User response

Enter a valid number.

GPM0122I RMF PM sysplex *sysplex* is not open.

Explanation

The dialog requires the sysplex to be open.

User response

Use **File > Open > Sysplex** in RMF PM to open it.

GPM0133I RMF PM sysplex *sysplex* closed unexpectedly.

Explanation

While a Dataview requested data from the host, the sysplex was found closed. This may have been caused by a previous communication error, which caused the sysplex to close or by closing the sysplex manually.

User response

Look for previous error messages to examine the reason for the communication problem, remove it and re-open the sysplex.

GPM0141I Work scope name *scope_name* ignored for work scope type **total**.

Explanation

A work scope name was entered in the work scope dialog, but for work scope 'total' any work scope names are ignored. This is just an informational message.

User response

Remove the work scope name from the entry field.

GPM0142I Work scope name required for work scope type *scope_type*.

Explanation

For the indicated work scope type, a work scope name is required.

User response

Enter a valid work scope name. For specific work scope types, the work scope name can be one of the following:

- For 'J' enter a Jobname
- For 'W' enter a WLM workload name
- For 'S' enter a WLM service class name
- For 'P' enter a WLM service class period name
- For 'R' enter a WLM report class name
- For 'K' enter a WLM report class period name

GPM0143I**Work scope name *scope_name* requires a separator between service class and service class period.****Explanation**

The work scope name must be of the form *sclass.periodnumber*. The *sclass* must be a valid service class name, and the *periodnumber* must be in the range 1 - 8. The dot separates the period number from the service class.

User response

Enter a valid work scope name.

GPM0144I**Work scope ULQ *scope_ulq* is longer than 8 characters.****Explanation**

The upper-level qualifier of the work scope name can consist of up to 8 characters.

User response

Enter a valid work scope name.

GPM0146I**Work scope *scope_name* period is invalid.****Explanation**

The work scope name must be of the form *sclass.periodnumber*. The *sclass* must be a valid service class name, the *periodnumber* must be in the range 1 - 8. The dot separates the period number from the service class.

User response

Enter a valid work scope name.

GPM0147I**No period separator allowed for work scope *scope_name*.****Explanation**

The work scope name entered must not contain a separator.

User response

Enter a valid work scope name or select a name from the list.

GPM0148I**Work scope *scope_name* name is longer than *nn* characters.****Explanation**

The work scope name must not be longer than the maximum number of characters allowed for this work scope.

User response

Enter a valid work scope name or select one from the list.

GPM0161I**Resource name *resource_name* is not valid.****Explanation**

The resource name entered is not of the form indicated for the text field.

User response

Enter a valid resource name.

GPM0401I

The host name *host* could not be resolved.

Explanation

The specified hostname is unknown to TCP/IP on the workstation.

System action

The communication with the host cannot be established.

User response

Ensure that your TCP/IP configuration is correct and that the host name can be resolved by a name server. Check the **File > Change Settings > Sysplex** dialog in the RMF PM Java client.

GPM0402I

The host *host* is not responding on port *port_number*.

Explanation

Cannot connect to the specified host.

System action

The communication with the host cannot be established.

User response

Verify that the RMF DDS server is started and uses the expected port number.

GPM0403I

Bad read/write operation for host *host* was detected by the client.

Explanation

A network operation between the DDS on the host and RMF PM on the workstation failed. RMF PM on the workstation detected an error, so that the request or the response cannot be processed.

System action

The communication with the DDS host server is terminated.

User response

See file gpmcom.err in the private directory on the workstation for more details. Default location:

```
C:\Documents and Settings\Administrator\
Application Data\RMF\RMF Performance Monitoring\
private\gpmcom.err).
```

Retry connecting to the host. If the connection fails, a temporary network problem might be the reason.

GPM0404I

Time-out waiting for response from host *host* port *port_number*.

Explanation

While trying to receive data from the host, a time-out occurred.

System action

The host is unable to send the data.

User response

Check if the host is still reachable and the DDS is still running, then try to reconnect.

You may change the time-out value in the **File > Change Settings > Sysplex** dialog in the RMF PM Java client.

GPM0405I**Data read from host *host* is incomplete.**

Explanation

Less data than expected was received from the host.

System action

The RMF PM client cannot process the response from the DDS server on the host.

User response

A possible cause for this error is that the maximum number of clients of the host DDS server is exceeded. Please change your definition on the host to allow more clients. Examine the GPMCOM.ERR file in the private directory on the workstation to get more details. Default location:

```
C:\Documents and Settings\Administrator\
Application Data\RMF\RMF Performance Monitoring\
private\gpmcom.err).
```

Contact IBM Support.

GPM0406I**Parameters in the request to host *host* are not valid.**

Explanation

Any parameters in the request to the host are either null or have a value that is not valid.

System action

The request to the host is not performed.

User response

Report the problem to the IBM Support Center.

GPM0407I**No route to host *host* established in reasonable time.**

Explanation

No connection to the host could be established in the time specified by the system.

System action

The client could not establish a connection.

User response

Find out whether there is a problem with the host.

GPM0451I**The TCP/IP Communications Server on the host *host* encountered an internal error during the RECEIVE call.**

Explanation

The communication is broken because the DDS host server is not able to receive data from the workstation with the RMF PM client.

System action

The communication with the host is disrupted.

User response

Perform a new logon to the host in order to reconnect. If the problem persists, report it to the IBM Support Center.

GPM0452I	Userid <i>user_id</i> on host <i>host</i> is not authorized or password is invalid, expired or revoked.
-----------------	--

Explanation

1. The specified password is not authorized.
2. The password has expired.
3. The user's access to the system has been revoked.
4. The GPMSEVERE application is protected by a profile in the RACF APPL CLASS. The user has no read access to this profile.

System action

The host rejects the logon attempt.

User response

1. Specify the correct password.
2. Change the password via TSO logon.
3. Inform your security administrator to resume your userID.
4. Correct the security setup for the userID to provide access to the GPMSEVERE application.

GPM0453I	The userid <i>user_id</i> is not defined on host <i>host</i>.
-----------------	--

Explanation

The specified userID is not defined to the system.

System action

The host rejects the logon attempt.

User response

Retry with a correct user ID or contact your security administrator.

GPM0454I	z/OS Security Server (RACF) installation problem on host <i>host</i>.
-----------------	--

Explanation

The security setup for the RMF DDS server component is not correct.

System action

The host rejects the logon attempt.

System programmer response

Correct the security setup for the RMF DDS server. See *z/OS Resource Measurement Facility User's Guide* for more information.

GPM0455I

A communication error was detected on the host *host*.

Explanation

While processing the request from the workstation, the DDS host server detected an error, so that the request cannot be processed.

System action

The communication with the host is terminated.

User response

Retry connecting to the host. If connection fails, a temporary network problem might be the reason.

GPM0456I

The userID *user_id* is not authorized to retrieve RMF performance data.

Explanation

The specified userID has insufficient RACF authorization. READ access to RACF resource ERBSDS.MON3DATA of class FACILITY is not granted.

System action

The host rejects the performance data retrieval attempt.

User response

Correct the security setup for the userID. See *z/OS Resource Measurement Facility User's Guide* for more information.

GPM0500I

The RMF Sysplex Data Server returned with an unexpected error from system *system*. RC: *rc* RSN: *rsn*.

Explanation

During data retrieval from one or more system(s), an unexpected error has occurred.

System action

The request is aborted with an error.

System programmer response

Check the return and reason code in *z/OS Data Gatherer Programmer's Guide*. If you cannot solve the problem, report it to the IBM Support Center.

GPM0501I

The data retrieved by DDS may be inconsistent due to a change of the WLM service policy or a change of the active installation performance specification (IPS). Sysplex *sysplex_1* - *sysplex_n*.

Explanation

During the requested range, a MODIFY WLM or a SET IPS command has been issued.

System action

None.

User response

None.

GPM0502I	DDS has returned partial data because time gaps have been detected.
-----------------	--

Explanation

Data gathering has been stopped during the requested range or partial data could not be found in the buffer.

System action

None.

System programmer response

Run Monitor III Data Gatherer contiguously with a sufficient buffer size and sufficient space in VSAM data sets.

GPM0504I	The data retrieved by DDS may be inconsistent due to a change of the WLM service policy. Sysplex <i>sysplex_1</i> - <i>sysplex_n</i>.
-----------------	--

Explanation

During the requested range, a MODIFY WLM command has been issued.

System action

None.

User response

None.

GPM0505I	The data retrieved by DDS may be inconsistent due to a change of the RMF cycle time. Sysplex <i>sysplex_1</i> - <i>sysplex_n</i>.
-----------------	--

Explanation

During the requested range, a MODIFY RMF command has been issued.

System action

None.

User response

None.

GPM0506I	IPL/REBOOT detected in the specified time range.
-----------------	---

Explanation

During the requested range, an IPL or REBOOT has been performed. The requested data cannot be retrieved for a time range that spans an IPL or REBOOT.

System action

None.

User response

None.

GPM0507I DDS could not retrieve data for the specified date and time range.

Explanation

The requested data could not be found in the Monitor III in-storage buffer or VSAM data sets.

System action

None.

User response

Specify a different time range. If sysplex data was requested, verify that Monitor III Data Gatherers are active on all systems.

GPM0509I DDS could not retrieve data because of an internal error.

Explanation

The DDS could not obtain RMF data because of one of the following reasons:

- Too many reporters tried to get data from the in-storage buffer.
- The cross-memory move from the in-storage buffer failed.
- The data request occurred, when the data gatherer was updating the in-storage buffer.

System action

None.

System programmer response

If the problem persists, report it to the IBM Support Center.

GPM0511I Data gatherer has just been started and cannot yet return data.

Explanation

The Monitor III Data Gatherer has just been started and is not yet able to return valid data.

System action

None.

User response

Retry the request later.

GPM0512I	The RMF Sysplex Data Server could not return the requested data due to a timeout.
Explanation	
The timeout interval length for the data retrieval has been exceeded.	
System action	
None.	
System programmer response	
Make sure that the connections to all systems in the sysplex are operational. Try to access other systems in the sysplex from a Monitor III ISPF reporter session. If the problem persists, report it to the IBM Support Center.	
GPM0551I	The RMF Sysplex Data Server is not active.
Explanation	
RMF is inactive or has been stopped at the connected system.	
System action	
None.	
System programmer response	
Start the local RMF address space.	
GPM0552I	None of the system(s) specified for the request was active in the sysplex.
Explanation	
The specified system names are not valid or the systems have been stopped.	
System action	
None.	
User response	
Check the system names or join the systems to the sysplex.	
GPM0553I	The RMF Sysplex Data Server returned no data.
Explanation	
The requested data is not available for the specified time range.	
System action	
None.	
User response	
Specify the appropriate date, time, and range for your request.	
GPM0554I	DDS could not retrieve data - Monitor III Data Gatherer is not active.

Explanation

The Monitor III data gatherer is inactive on the systems specified with the request.

System action

None.

System programmer response

Start the Monitor III Data Gatherer on the systems where you are requesting data.

GPM0555I	The RMF Sysplex Data Server encountered a severe error (RC: <i>rc</i>, RSN: <i>rsn</i>).
-----------------	---

Explanation

During data retrieval from the sysplex, a severe error condition has occurred.

System action

None.

System programmer response

Check the return and reason codes in *z/OS Data Gatherer Programmer's Guide*. If you cannot solve the problem, report it to the IBM Support Center.

GPM0600I	The Monitor III reporter returned with an unexpected return code. Report: <i>report</i>. RC: <i>rc</i> RSN: <i>rsn</i>.
-----------------	--

Explanation

During data retrieval from Monitor III report data, an unexpected error has occurred.

System action

None.

System programmer response

Report the problem to the IBM Support Center. Please note that this message might indicate that your OS/390 or z/OS release is back-level, so that the desired data is not available on the host.

GPM0601I	DDS data is incomplete - configuration may have changed.
-----------------	---

Explanation

During the requested range, a dynamic I/O configuration change has been performed.

System action

None.

User response

None.

GPM0602I	DDS data is incomplete - Monitor I interval has changed.
-----------------	---

Explanation

During the requested range, one or more Monitor I intervals have been completed.

System action

None.

User response

None.

GPM0603I	DDS could not retrieve the requested data. The system may run as a z/VM guest.
-----------------	---

Explanation

When z/OS is running as a z/VM guest, no measurement data, such as channels data or LCU data is available.

System action

None.

User response

None.

GPM0604I	DDS could not retrieve the requested data. CPMF is unavailable or has been restarted.
-----------------	--

Explanation

The channel path measurement facility (CPMF) either is not active or has been restarted during the selected range. No measurement data for channels is available.

System action

None.

User response

None.

GPM0605I	DDS could not retrieve the requested data. The requested job is currently not in the system.
-----------------	---

Explanation

The job specified with the request could not be found.

System action

None.

User response

None.

GPM0606I	DDS could not retrieve the requested data. No subsystem work manager delays available.
-----------------	---

Explanation

The selected service class has no subsystem delays.

System action

None.

User response

None.

GPM0607I	DDS could not retrieve the requested data. Private storage area too small.
-----------------	---

Explanation

The requested report data did not fit into the private storage.

System action

None.

System programmer response

Run the RMF address space with a larger region size parameter.

GPM0612I	DDS could not retrieve the requested data. VSM tracking not active.
-----------------	--

Explanation

Virtual storage tracking is inactive or has been partially deactivated. No common storage data could be obtained.

System action

None.

System programmer response

Activate VSM tracking contiguously.

GPM0615I	DDS could not retrieve the requested data. General information data is not available.
-----------------	--

Explanation

A data gatherer module may have ended due to a permanent error. Valid general information data could not be gathered.

System action

None.

System programmer response

Report the problem to the IBM Support Center.

GPM0617I	DDS could not retrieve the requested data. IOSUB option not specified.
-----------------	---

Explanation

The RMF Monitor III Data Gatherer was started with the option NOIOSUB. No data for the I/O subsystem has been gathered.

System action

None.

System programmer response

Verify the following conditions:

- Verify, that the Monitor I gatherer runs with the IOQ option
- If z/OS is running as a guest under z/VM, make sure that the RMCHINFO option is activate in the z/VM directory entry for the virtual machine.
- Start the Monitor III Data Gatherer with the option IOSUB.

GPM0619I	DDS could not retrieve the requested data. Monitor I gatherer data not available. ERBSMFI RC: rc.
-----------------	--

Explanation

The Monitor I gatherer is either inactive or does not collect I/O queuing related data. This may be caused by the option NOIOQ, or the system may run as z/VM guest and the RMCHINFO entry in the z/VM user directory has not been specified for the guest system.

System action

None.

System programmer response

Restart the Monitor I gatherer with the option IOQ and/or specify RMCHINFO in case of a second level z/OS system.

GPM0620I	I/O subsystem data collection is not supported on this processor. ERBSMFI RC: rc.
-----------------	--

Explanation

The system runs on a 4381/3080x processor. I/O subsystem data collection is not supported.

System action

None.

User response

None.

GPM0621I	DDS could not retrieve the requested data. Channel measurements not active.
-----------------	--

Explanation

The channel measurement facility has not been started by SRM.

System action

None.

User response

None.

GPM0622I	DDS could not retrieve the requested data. Diagnose interface failure.
-----------------	---

Explanation

The diagnose interface for retrieving IOQ data returned with a severe error.

System action

None.

User response

None.

GPM0624I	Goal mode data for some systems is missing.
-----------------	--

Explanation

Some systems in the sysplex did not return data. This may be caused by the following reasons:

- The gatherer is not running on a system or the gatherer could not successfully obtain data.
- There is a mismatch between the gatherer options.
- You are using the default service policy. The default policy causes the systems in the sysplex to run independently of each other, and data cannot be combined into a sysplex-wide report.

System action

DDS retrieves data from the remaining systems.

User response

Ensure that RMF and the Monitor III Data Gatherer are running on all systems in the sysplex.

GPM0625I	DDS could not retrieve the requested data. The creation of the report report caused an abend <i>abend_code</i>. Sysplex <i>sysplex_1</i> - <i>sysplex_n</i>.
-----------------	---

Explanation

The access to the requested data has caused a severe error condition. The affected module has ended abnormally. However, the data collection could be continued and partial performance data is available.

System action

The data collection for one or more reports is skipped for the current request. For subsequent requests, the creation of the affected report will be retried.

User response

Report the problem to the IBM Support Center.

GPM0626I	The metric <i>metric</i> is not defined for the resource type <i>resource_type</i> and work scope <i>scope_name</i>.
-----------------	---

Explanation

The performance metric is not defined for the resource type and the specified work scope.

System action

No data is returned.

User response

Specify a valid combination of metric and resource type. Please note that this message might indicate that your OS/390 or z/OS release is back-level so the data you are asking for are not available on the host.

Work scope types are identified by:

- 'J' for Jobs
- 'W' for WLM workloads
- 'S' for WLM service classes
- 'P' for WLM service class periods
- 'R' for WLM report classes
- 'G' for total work scope

GPM0627I	No data: memory objects are currently not allocated in the system.
-----------------	---

Explanation

Within the current report interval, RMF did not detect any address spaces dealing with memory objects.

System action

None.

User response

None.

GPM0628I	No data: system resource locks were not held when Monitor III sampled data or Monitor III gatherer option LOCK not specified.
-----------------	--

Explanation

Within the current report interval, RMF did not detect any lock contention. This is caused by one of the following reasons:

- No system resource locks were held when Monitor III sampled data.
- Lock data was not collected (Monitor III gatherer option NOLOCK was specified).

System action

None.

System programmer response

Start the Monitor III gatherer with the option LOCK.

GPM0630I	No data: either OMVS is not active or ZFS is not active (shutting down) or ZFS gatherer not active or no data from zFS interface
-----------------	---

Explanation

Within the current report interval, RMF did not detect any zFS data. This is caused by one of the following reasons:

- OMVS is not active (or not available).
- zFS is not active or shutting down.
- Back-level data or no data from the zFS interface.
- The interface to zFS services (subtask GRB3GZFX) suffered a timeout.

System action

None.

User response

Start the Monitor III gatherer with the option ZFS or contact your system programmer.

GPM0631I

No data: no file system found

Explanation

Within the current report interval, RMF did not detect any zFS data for the file system.

System action

None.

User response

None.

GPM0632I

No data: PCIE activity data is currently not available

Explanation

Within the current report interval, RMF did not detect any PCIE activity. This is caused by one of the following reasons:

- There was no PCIE activity.
- PCIE activity data was not collected (Monitor III Gatherer option NOPCIE was specified).

System action

None.

System programmer response

Start the Monitor III gatherer with the PCIE option.

GPM0633I

No data: EADM activity data is currently not available.

Explanation

Within the current report interval, RMF can not report any extended asynchronous data mover (EADM) activity. This could be caused by any of the following reasons:

- EADM activity data was not collected (Monitor III Gatherer option NOEADM was specified).
- EADM is not supported by the processor.

System action

None.

System programmer response

Start the Monitor III gatherer with the EADM option.

GPM0634I	No data: CRYPTO hardware activity data is currently not available.
-----------------	---

Explanation

Within the current report interval, RMF cannot report any cryptographic hardware activity. This might be caused by any of the following reasons:

- CRYPTO activity data was not collected (Monitor III Gatherer option NOCRYPTO was specified).
- Cryptographic hardware is not available.
- Cryptographic hardware is not supported by the processor.

System action

None.

User response

Start the Monitor III gatherer with the option CRYPTO or contact your system programmer.

GPM0635I	No data: No resource groups are defined in the WLM policy.
-----------------	---

Explanation

The WLM policy does not have any resource groups or tenant resource groups defined.

System action

None.

User response

None.

GPM0700I	A program error was detected in function <i>function</i>, at line <i>line_number</i> on the host. Module name: <i>module</i>.
-----------------	--

Explanation

The DDS host server encountered a program error.

System action

RMF PM may or may not continue depending on the severity of the error.

System programmer response

Try to reproduce the problem with the trace for the host server address space (GPMSERVE) enabled. Report the problem to the IBM Support Center and supply the collected information.

GPM0702I	Requested metric <i>metric</i> is incomplete. No performance data or incomplete data returned from system <i>system</i>.
-----------------	---

Explanation

The performance data request has been routed to all systems within the sysplex. Either no valid counters or warning messages returned from one or more systems. For instance, this message may occur, when I/O subsystem data has been requested and the Monitor I interval has changed during the affected time range.

System action

None.

User response

Verify that the Monitor III Data Gatherer is active on all systems. To identify the detailed reason for the warning or error condition, you can submit the same data request against the affected MVS images instead of the sysplex wide request.

GPM0704I**Details for *resource name* unavailable or incomplete.**

Explanation

The details data for the named resource could not be retrieved successfully. One or more details are missing.

System action

None.

User response

Verify that the Monitor III Data Gatherer is active on all systems. If the missing details are taken from a report which is excluded with the EXCLUDE_REPORTS option in the active GPMSRVxx member, remove the report from that option and restart the DDS.

GPM0705I**Resource list for Sysplex *sysplex* not available. No resource data returned.**

Explanation

The resource data request has been routed to all systems within the sysplex. No valid resources were returned.

System action

None.

User response

Verify that the Monitor III Data Gatherer is active on all systems.

GPM0706I**Resource list for Sysplex *sysplex* is incomplete. No resource data returned from system *system*.**

Explanation

The resource data request has been routed to all systems within the sysplex. One or more systems did not return resources for the list.

System action

None.

User response

Verify that the Monitor III Data Gatherer is active on all systems.

GPM0709I	The specified filter <i>filter</i> for metric <i>metric</i> has caused an empty list of data to be returned.
-----------------	---

Explanation

You requested a list-valued metric and also specified a filter string. When the filter was applied to the list-valued metric, no data passed the filter. For example: you select 'response time by volume' and a filter to select only volumes starting with 'AB*'. If no volumes starting with the characters 'AB' are found, no data can pass the filter.

The filter pattern can contain the following tags:

PAT=<pattern>

The pattern to select the list items by their name.

HI=<n>

The n items with the highest values are kept.

LO=<n>

The n items with the lowest values are kept.

UB=<value>

Only data with values less than specified <value> are kept in the list.

LB=<value>

Only data with values greater than specified <value> are kept in the list.

ORD=<order>

Sort order of list (irrelevant for this message)

Only the contents of the filter tags PAT, UB, and LB can lead to this message, because HI=0 or LO=0 is not allowed.

System action

No data is returned.

User response

Verify that your filter specification is correct.

GPM0710I	Workload <i>workload</i> is not defined in the active WLM policy for metric <i>metric</i>.
-----------------	---

Explanation

The specified workload is currently not active on the specified sysplex.

System action

No data is returned.

User response

Verify that your work scope specification is correct.

GPM0711I	Service class <i>service_class</i> is not defined in the active WLM policy for metric <i>metric</i>.
-----------------	---

Explanation

The specified service class is currently not active on the specified sysplex.

System action

No data is returned.

User response

Verify that your work scope specification is correct.

GPM0712I	Service class period <i>service_class_period</i> is not defined in the active WLM policy for metric <i>metric</i>.
-----------------	---

Explanation

The specified service class period is currently not active on the specified sysplex.

System action

No data is returned.

User response

Verify that your work scope specification is correct.

GPM0713I	Report class period <i>report_class_period</i> is not defined in the active WLM policy for metric <i>metric</i>.
-----------------	---

Explanation

The specified report class is currently not active on the specified sysplex.

System action

No data is returned.

User response

Verify that your work scope specification is correct.

GPM0714I	The specified job <i>job</i> was not found for metric <i>metric</i> on system <i>system</i>.
-----------------	---

Explanation

You specified a job in the work scope specification dialog, but this job is currently not active on the specified system or does not have valid data for the specified metric.

System action

No data is returned.

User response

Verify that the work scope specification is correct and that the specified job is running.

GPM0715I	The specified resource <i>resource_name</i> was not found for metric <i>metric</i> on system <i>system</i>.
-----------------	--

Explanation

You specified a resource in the 'Series Definition' dialog, but this resource is currently not active on the specified system.

System action

No data is returned.

User response

Verify that the resource specification is correct.

GPM0716I	The metric <i>metric</i> cannot return valid data for the specified work scope <i>scope_name</i>.
-----------------	--

Explanation

The specified metric is either undefined for the specified work scope or currently does not have valid data to return.

System action

A value of 0 is returned.

User response

Verify that the work scope specification is correct and that the metric is valid for the specified work scope.

GPM0717I	The metric <i>metric</i> cannot return valid data for the specified resource <i>resource_name</i> on system <i>system</i> sysplex <i>sysplex_1</i> - <i>sysplex_n</i>.
-----------------	---

Explanation

The specified metric is either undefined for the specified resource or currently does not have valid data to return.

System action

A value of 0 is returned.

User response

Verify that the specified metric is valid for the specified resource.

GPM0718I	No RMF data gatherer can provide data for metric <i>metric</i> on resource <i>resource_name</i>.
-----------------	---

Explanation

The specified metric can only be obtained if an RMF data gatherer is able to collect the data for the specified resource. This message is issued if you are requesting data for a partition, but one of the following conditions is met:

- The partition is an ICF or IFL partition.
- This is not a z/OS partition.
- RMF Monitor III Data Gatherer is not active in this partition.

System action

No data can be returned.

User response

Select another partition.

GPM0719I

Partition type does not exist in this CPC.

Explanation

You selected either CP or ICF/IFL partition, but there is no partition of this type defined in the Central Processing Complex.

System action

No data can be returned.

User response

Use a valid partition type.

GPM0720I

The metric *metric* is no longer supported in this RMF release.

Explanation

The specified metric has been deleted and is not supported in this RMF release.

System action

No data can be returned.

User response

Select another metric.

GPM0721I

**The metric is not supported by the RMF release installed on the system.
Diagnose data=*diagnose*.**

Explanation

The specified metric is not supported on this system. Probably, the Monitor III data gatherer option for the requested data is inactive.

System action

No data can be returned.

User response

Select another metric. If the corresponding Monitor III data gatherer option is inactive, restart the Monitor III data gatherer with the option activated.

GPM0730I

Error reading INI file on system: *system*.

Explanation

The DDS host server could not read its initialization file or an error was detected reading the GPMINI file.

System action

No data can be returned.

System programmer response

Make sure that the job to start the server on the host has the correct GPMINI DD statement and that the initialization deck is not corrupted.

User response

Notify your system programmer.

GPM0731I	The specified system <i>system</i> is not a member of Sysplex <i>sysplex</i>.
-----------------	--

Explanation

The specified system is not a member of the sysplex.

System action

No data can be returned.

User response

Correct the system specification of your metric.

GPM0732I	The specified system <i>system</i> currently does not return data.
-----------------	---

Explanation

The specified system is a member of the sysplex, but currently does not return data. Probably the Monitor III Data Gatherer is not running on that system or the system is currently unreachable.

System action

No data is returned from the specified system.

System programmer response

Make sure that the Monitor III Data Gatherer is running on the specified system and verify that all connections to the system are up and running.

User response

Notify your system programmer.

GPM0737I The requested report *report_name* is deactivated.

Explanation

The requested report has been deactivated by the option EXCLUDE_REPORTS in the active GPMSRVxx PARMLIB member.

System action

No report is returned.

User response

To activate the requested report, remove it from option EXCLUDE_REPORTS in the active GPMSRVxx member and restart the DDS.

GPM0738I

The requested metric is based on the deactivated *report_name* report.

Explanation

The requested metric is based on a report that has been deactivated by the option EXCLUDE_REPORTS in the active GPMSRVxx PARMLIB member.

System action

No metric is returned.

User response

To activate the report, remove it from option EXCLUDE_REPORTS in the active GPMSRVxx member and restart the DDS.

GPM0739E

Invalid DDS request parameter *parameter*.

Explanation

The DDS received a request with an invalid parameter or an invalid parameter value.

System action

The request is not processed.

User response

Check the request for correctness of the specified parameter and issue the request again.

GPM0740E

The combination of parameters *param1* and *param2* is not allowed.

Explanation

The DDS received a request with an invalid combination of parameters.

System action

The request is not processed.

User response

Specify only one of the two parameters and issue the request again.

GPM0741E

No JCL supplied for RMF Postprocessor.

Explanation

The start procedure for the DDS does not contain a specification for the JCL template necessary to submit RMF Postprocessor jobs.

System action

The request is not processed.

User response

Specify a DD card pointing to a JCL template for the Postprocessor job.

GPM0742E**No control statements supplied for RMF Postprocessor.**

Explanation

The module which connects to the RMF Postprocessor was called without supplying Postprocessor control statements.

System action

The request is not processed.

User response

Correct the request or the invocation of the module, or contact the IBM Support Center.

GPM0743E**The requested XML report is too large.**

Explanation

The requested XML report is too large to be processed by the DDS.

System action

No XML answer is produced for the request.

User response

You can either

- reduce the number of requested report types
- reduce the number of requested intervals
- limit the content of requested reports

GPM0744E**Timeout occurred before RMF Postprocessor job end, no XML data transferred.**

Explanation

The execution of the RMF Postprocessor job took longer than the timeout period defined with the request. Processing of the request is stopped. Another probable reason is that the job output from the Postprocessor job was not held on spool.

System action

No XML answer is produced for the request.

User response

Check and probably change the Postprocessor job settings, or change the timeout parameter in the HTTP request.

GPM0745E**No reportable data found for specified options (Reason: *reason_text*).**

Explanation

The Postprocessor job was run, but did not return any XML data. The highest return code of the job is given with the error message.

System action

No XML answer is produced for the request.

User response

Check the Postprocessor job output directly. Probably, no SMF data is available to satisfy your request.

GPM0746E **Error while connecting to RMF Postprocessor (Reason: *reason_text*).**

Explanation

An internal error occurred while generating the Postprocessor job or reading its output. The reason is indicated with the error message.

System action

No XML answer is produced for the request.

User response

Contact your system programmer or the IBM Support Center.

GPM0747E **RMF Postprocessor reports are only available to the DDS with JES2.**

Explanation

The DDS runs on a system which uses a job entry system other than JES2. RMF Postprocessor XML reports can only be retrieved by a DDS on systems which use JES2.

System action

The request is not processed.

User response

Run the DDS on a system with JES2.

GPM0748W **Incomplete action or Postprocessor data (Reason: *reason_text*).**

Explanation

The Postprocessor job was successfully run, but the DDS did not return all output data or an action (for instance, deletion of job output) did not complete successfully.

System action

Either only a partial XML answer is produced for the request or the Postprocessor job output is not purged.

User response

Observe the *reason_text*, check the Postprocessor messages or the Postprocessor job directly. If job output could not be purged, examine your security definitions for the JESJOBS class.

GPM0749E **The provided JCL is not valid for this Postprocessor HTTP request.**

Explanation

The DDS uses a Postprocessor JCL template that is designed for the usage of SMF data sets and SMF logstream data, but this template does not contain the marker strings that are required for this functionality in the DDS.

System action:

The HTTP Postprocessor request is rejected.

User response

Correct the Postprocessor JCL template that is used with the GPMPPJCL DD card of the GPMSEVERE started task.

GPM0801I	A program error was detected in module <i>module</i>, function <i>function</i>, at line <i>line_number</i>, trace entry <i>entry</i> on the host.
-----------------	--

Explanation

The DDS server encountered a program error.

System action

RMF PM may or may not continue depending on the severity of the error.

User response

Try to repeat the condition with the trace for the DDS server enabled. Report the problem to the IBM Support Center and supply information you collected.

GPM0802I	A program error was detected on the host.
-----------------	--

Explanation

The DDS server encountered a program error which prevented the host from responding.

System action

RMF PM cannot continue to communicate with the DDS server on this sysplex.

User response

Try to repeat the condition with the trace on the host enabled. Report the problem to the IBM Support Center and supply information you collected.

GPM0804I	Request to host is not valid.
-----------------	--------------------------------------

Explanation

The request to the host was not recognized as a message and therefore could not be decoded for further processing.

System action

RMF PM cannot continue to communicate with the DDS server on this sysplex.

User response

Report this error to the IBM Support Center.

GPM0805I	Request to the host cannot be decoded.
-----------------	---

Explanation

The request to the host was recognized as a message but could not be decoded to a particular request for further processing.

System action

RMF PM cannot continue to communicate with the DDS server on this sysplex.

User response

Report this error to the IBM Support Center.

GPM0806I	The key of the request to the host is unknown.
-----------------	---

Explanation

The request to the host was recognized as a message but the key in the message is unknown at the host.

System action

RMF PM cannot continue to communicate with the DDS server on this host.

User response

Report this error to the IBM Support Center.

GPM0807I	The host cannot satisfy a storage request.
-----------------	---

Explanation

Trying to allocate an object on the host failed due to storage shortage.

System action

RMF PM cannot continue to communicate with this sysplex.

User response

Ensure that the DDS server obtains enough storage.

GPM0809I	Creating configuration information for resource <resource_ulq,resource_name,resource_type> on the host failed.
-----------------	---

Explanation

Trying to create the configuration information <upper-level-qualifier,resource-name,resource-type> failed.

System action

The DDS server does not satisfy the request.

User response

Report this error to the IBM Support Center.

GPM0810I	Creating performance data for resource <resource_ulq,resource_name,resource_type> on the host failed.
-----------------	--

Explanation

Trying to create the performance data for <upper-level-qualifier,resource-name,resource-type> failed.

System action

The DDS server does not satisfy the request.

User response

Report this error to the IBM Support Center.

GPM0811I	Creating work scope data for resource <resource_ulq,resource_name,resource_type> on the host failed.
-----------------	---

Explanation

Trying to create the work scope data for <upper-level-qualifier,resource-name,resource-type> failed.

System action

The DDS server does not satisfy the request.

User response

Report this error to the IBM Support Center.

GPM0812I	Creating the sysplex data on the host failed.
-----------------	--

Explanation

Trying to create the sysplex information on the host failed.

System action

The DDS server does not satisfy the request.

User response

Report this error to the IBM Support Center.

GPM0813I	Creating an error response on the host has failed.
-----------------	---

Explanation

Trying to create an error response on the host failed.

System action

The DDS server cannot respond to the request.

User response

Report this error to the IBM Support Center.

GPM0814I	No data in response from the host.
-----------------	---

Explanation

RMF PM received no data on a request, but also no error information.

System action

RMF PM cannot process the response.

User response

Report this error to the IBM Support Center.

GPM0901I

RMF PM detected an internal error.

Explanation

RMF PM detected a corrupted INI file.

System action

The application cannot be started.

User response

Reinstall RMF PM.

GPM0902I

RMF PM cannot find metrics *metrics*.

Explanation

RMF PM detected a program error, because it could not load a class.

System action

The application cannot continue.

User response

Report the problem to IBM Support Center and supply the message information.

GPM0903I

RMF PM cannot find resource types *resource_types*.

Explanation

RMF PM detected a program error, because it could not load a class.

System action

The application cannot continue.

User response

Report the problem to IBM Support Center and supply the message information.

GPM0904I

RMF PM had swapped reversed dates.

Explanation

RMF PM found that the **From:** date was later than the **To:** date, and had to swap the values in order to sample in the time range specified.

System action

RMF PM swapped the reversed dates.

GPM1001E	GPM4CIM could not retrieve the requested data. The resource <i>resource</i> is not available.
-----------------	--

Explanation

The resource specified with the request could not be found.

System action

No data is returned.

User response

Verify that the resource specification is correct or that a resource of the requested type is configured in your system.

GPM1002E	GPM4CIM could not retrieve the requested data. The metric <i>metric</i> is not defined for the resource type <i>resource_type</i>.
-----------------	---

Explanation

The metric specified with the request is not defined for the resource type.

System action

No data is returned.

User response

Specify a valid combination of metric and resource type.

GPM1003E	GPM4CIM could not retrieve the requested data. No data returned for the specified metric <i>metric</i> from system <i>system</i>.
-----------------	--

Explanation

The metric specified with the request could not be retrieved from the CIM server on the target system.

System action

No data is returned.

System programmer response

Verify the CIM server setup and the setup for the CIM metric providers on the target system.

GPM1004E	GPM4CIM could not retrieve the requested data. The resource category <i>resource_category</i> is invalid.
-----------------	--

Explanation

The resource category specified with the request could not be found.

System action

No data is returned.

User response

Verify that the resource category specification is correct.

GPM1005E	GPM4CIM could not retrieve the requested data. No connection could be established to the specified system <i>system</i>.
-----------------	---

Explanation

The connection to the specified system failed.

System action

No data is returned.

System programmer response

Verify the network setup and the CIM server setup on the target system.

GPM1006E	Resource list for system complex <i>system_complex</i> not available. No resource data returned.
-----------------	---

Explanation

The resource data request has been routed to all systems within the system complex. No valid resources were returned.

System action

None.

User response

Verify the network setup and the setup of the CIM servers and metric providers on all target systems.

GPM1007I	Resource list for system complex <i>system_complex</i> is incomplete. No resource data returned from system <i>system</i>.
-----------------	---

Explanation

The resource data request has been routed to all systems within the system complex. One or more systems did not return resources for the list.

System action

None.

User response

Verify the network setup and the setup of the CIM servers and metric providers on all target systems.

GPM1008I	GPM4CIM could not retrieve complete data. Data gathering for system <i>system</i> has just been started.
-----------------	---

Explanation

The data returned upon the request might be incomplete because data gathering has just been started on the monitored system.

System action

None.

User response

Wait for the next interval.

Chapter 3. RMF Spreadsheet Reporter messages

In case of errors during the conversion task, for example, when creating a working set from a report listing, the **RMF Spreadsheet Reporter** issues messages and refers to an error log where these messages are stored.

ERB9000A **PWS: Cannot open message file *mmmmm***

Explanation

The Spreadsheet Reporter was trying to open its message file *mmmmm* but could not find it.

User response

Reinstall the Spreadsheet Reporter.

ERB9001A **PWS: Cannot open report file *d:\ppp\xxxx***

Explanation

Trying to open the RMF report file *xxxx* in read mode for conversion failed.

User response

Report the problem to the IBM Support Center and send the error log together with the report listings or the Overview records.

ERB9003A **PWS: Program error in module *mmmm* line *llll***

Explanation

The Spreadsheet Reporter detected a program error in line *llll* of module *mmmm*.

User response

Note the message ID ERB9003, the module name *mmmm*, and the line number *llll*. Report the problem to the IBM Support Center and send the error log together with the report listings or the Overview records.

ERB9008A **PWS: Failed building report from source *sss*, generator *ggg*, type *ttt***

Explanation

The report source, generator, and type have been successfully detected but the initialization from further report data failed.

User response

Make sure the file is not corrupted and retry the action.

ERB9009A **PWS: Failed building Overview report**

Explanation

The report has been successfully detected but the initialization from its binary overview records failed.

User response

Regenerate the Overview report and try again.

Problem determination

Look for preceding messages that further explain the failure. Verify that the version of the Spreadsheet Reporter is the same or higher than the RMF report version. Try to determine whether the file is corrupted (has been edited and altered).

ERB9010A**PWS: Failed writing *WK1* file from *rrrr***

Explanation

An error was detected during writing the spreadsheet file with extension *WK1*. The reason could be in the *rrrr* input or in the spreadsheet file to be written.

User response

Retry the action after correcting the error reported by the preceding error messages.

Problem determination

Look for preceding messages that further explain the failure.

ERB9060A**PWS: Writing begin of spreadsheet file *sssss* failed**

Explanation

The Spreadsheet Reporter successfully opened the spreadsheet file, but failed to write to the file.

User response

Retry the action with a spreadsheet specification of a drive with enough space.

Problem determination

The drive to which the file should be written is probably full.

ERB9061A**PWS: Writing end of spreadsheet file *sssss* failed**

Explanation

The Spreadsheet Reporter successfully wrote almost all of the spreadsheet file, but failed to write the end of file information into the file.

User response

Retry the action with a spreadsheet specification of a drive with enough space.

Problem determination

The drive to which the file should be written is probably full.

ERB9065A**PWS: Write to spreadsheet column *ccc*, row *rrr* - limit failed**

Explanation

During writing to a spreadsheet, the Spreadsheet Reporter found that the limit for rows (8192) or for columns (256) in the spreadsheet file would be exceeded.

User response

Use the macro 'Filter DASD or Cache Reports' to reduce the amount of data in the report and retry the action with the filtered report.

Problem determination

The number of rows converted from an RMF report exceeded the limit for rows (8192).

ERB9080A**PWS: Writing *WK1* subreport trailer s failed**

Explanation

The error occurred while the Spreadsheet Reporter was converting subreport trailer part s and writing it to the spreadsheet file.

User response

Correct the errors and retry the action.

Problem determination

The reason for the failure is described in error messages preceding this error message in the error log. Verify that the version of the Spreadsheet Reporter is the same or higher than the RMF report version.

ERB9081A**PWS: Writing *WK1* range names s failed**

Explanation

The error occurred while the Spreadsheet Reporter was converting part s and writing range names to the spreadsheet file.

User response

Correct the errors and retry the action.

Problem determination

The reason for the failure is described in error messages preceding this error message in the error log. Verify that the version of the Spreadsheet Reporter is the same or higher than the RMF report version.

ERB9082A**PWS: Writing *WK1* values s failed**

Explanation

The error occurred while the Spreadsheet Reporter was converting part s and writing value ranges to the spreadsheet file.

User response

Correct the errors and retry the action.

Problem determination

The reason for the failure is described in error messages preceding this error message in the error log. Verify that the version of the Spreadsheet Reporter is the same or higher than the RMF report version.

ERB9083A**PWS: Writing *WK1* column header s failed**

Explanation

The error occurred, while the Spreadsheet Reporter was converting part: s and writing the column header to the spreadsheet file.

User response

Correct the errors and retry the action.

Problem determination

The reason for the failure is described in error messages preceding this error message in the error log. Verify that the version of the Spreadsheet Reporter is the same or higher than the RMF report version.

ERB9084A**PWS: Writing *WK1* subreport header s failed**

Explanation

The error occurred while the Spreadsheet Reporter was converting part: s and writing the subreport header to the spreadsheet file.

User response

Correct the errors and retry the action.

Problem determination

The reason for the failure is described in error messages preceding this error message in the error log. Verify that the version of the Spreadsheet Reporter is the same or higher than the RMF report version.

ERB9085A**PWS: Writing *WK1* subreport s failed**

Explanation

The error occurred while the Spreadsheet Reporter was converting part: s and writing the subreport to the spreadsheet file.

User response

Correct the errors and retry the action.

Problem determination

The reason for the failure is described in error messages preceding this error message in the error log. Verify that the version of the Spreadsheet Reporter is the same or higher than the RMF report version.

ERB9086A**PWS: Writing *WK1* end range labels failed**

Explanation

The error occurred while the Spreadsheet Reporter was trying to write the label denoting the end of the report to the spreadsheet file.

User response

Correct the errors and retry the action.

Problem determination

The reason for the failure is described in error messages preceding this error message in the error log. Verify that the version of the Spreadsheet Reporter is the same or higher than the RMF report version.

ERB9087A**PWS: Writing *WK1* header failed**

Explanation

The error occurred while the Spreadsheet Reporter was trying to convert and write the overall report header of the report to the spreadsheet file.

User response

Correct the errors and retry the action.

Problem determination

The reason for the failure is described in error messages preceding this error message in the error log. Verify that the version of the Spreadsheet Reporter is the same or higher than the RMF report version.

ERB9100A**PWS: Writing *WK1* Overview value ranges failed**

Explanation

The error occurred while the Spreadsheet Reporter was trying to convert Overview records and write the Value Ranges to the spreadsheet file.

User response

Correct the errors and retry the action.

Problem determination

The reason for the failure is described in error messages preceding this error message in the error log. Verify that the version of the Spreadsheet Reporter is the same or higher than the RMF report version.

ERB9101A**PWS: Writing *WK1* Overview values failed**

Explanation

The error occurred while the Spreadsheet Reporter was trying to convert Overview records and write the values to the spreadsheet file.

User response

Correct the errors and retry the action.

Problem determination

The reason for the failure is described in error messages preceding this error message in the error log. Verify that the version of the Spreadsheet Reporter is the same or higher than the RMF report version.

ERB9102A**PWS: Writing *WK1* Overview column header failed**

Explanation

The error occurred while the Spreadsheet Reporter was trying to convert Overview records and write the column header to the spreadsheet file.

User response

Correct the errors and retry the action.

Problem determination

The reason for the failure is described in error messages preceding this error message in the error log. Verify that the version of the Spreadsheet Reporter is the same or higher than the RMF report version.

ERB9103A**PWS: Writing *WK1* Overview header failed**

Explanation

The error occurred while the Spreadsheet Reporter was trying to convert Overview records and write the overall header to the spreadsheet file.

User response

Correct the errors and retry the action.

Problem determination

The reason for the failure is described in error messages preceding this error message in the error log. Verify that the version of the Spreadsheet Reporter is the same or higher than the RMF report version.

ERB9112A**PWS: Overview records - version mismatch file *v1* / structure *v2***

Explanation

The error occurred while the Spreadsheet Reporter was trying to process an Overview record file. Due to an invalid download of the file, the record header has a wrong version number.

User response

Correct the error and retry the action.

Problem determination

Verify that the Overview file has been downloaded as BINARY file (not as ASCII file).

ERB9113A**PWS: Overview records - memory allocation *mmmm* bytes failed**

Explanation

The error occurred while the Spreadsheet Reporter was allocating *mmmm* bytes of memory for the Overview record information.

User response

Retry the action.

Problem determination

Verify that the operating system can supply the memory requested. Free some memory by stopping other applications.

ERB9114A**PWS: Overview records - failed to read header**

Explanation

The error occurred while the Spreadsheet Reporter was reading a header from the Overview records.

User response

Retry the action with intact Overview records file.

Problem determination

Verify that the Overview records file is not damaged.

Chapter 4. Messages for IBM® Health Checker for z/OS®

This topic lists all messages issued by RMF health checks.

GPMH1001I

GPMSERVE AT-TLS is required

Explanation:

The DDS option **HTTPS(ATTLS)** is specified, requiring that the incoming HTTP connection to the DDS is secured by an AT-TLS setup, and an active Policy was found.

System action:

None.

Operator response:

None.

System programmer response:

None.

GPMH1002I

GPMSERVE AT-TLS is not required

Explanation:

The DDS option **HTTPS(NO)** is specified, indicating that AT-TLS is not required.

System action:

None.

Operator response:

None.

System programmer response:

None.

GPMH1003E

GPMSERVE AT-TLS policy was not found

Explanation:

The DDS option **HTTPS(ATTLS)** is specified, requiring that the incoming HTTP connection to the DDS is secured by an AT-TLS setup. This setting requires that an AT-TLS Policy is active in the Policy Agent, but no active Policy was found.

System action:

None.

Operator response:

None.

System programmer response:

Define an AT-TLS Policy for the DDS port.

GPMH1004I

GPMSERVE PARMLIB options were processed successfully.

Explanation:

The DDS options in PARMLIB member GPMSRV00 were processed successfully. No deprecated DDS options were encountered.

System action:

None.

Operator response:

None.

System programmer response:

None.

GPMH1005E

GPMSERVE deprecated options were specified: *list of deprecated options*

Explanation:

PARMLIB member GPMSRV00 contains deprecated options, which are listed in the message.

System action:

None.

Operator response:

None.

System programmer response:

Remove the deprecated options from PARMLIB member GPMSRV00.

Chapter 5. User completion codes

System Programmer Response

For most user completion codes, the system programmer should continue with the following procedure:

- Obtain the dump for the failing job step. If the JCL for the step did not contain a DD statement for a SYSMDUMP dump, add this statement and run the job step again.
- Format and analyze the SYSMDUMP with the interactive problem control system (IPCS).
- Search problem reporting databases for a fix for the problem. If no fix exists, report the problem to the IBM Support Center.

0213

Explanation

User ABEND issued at CACHE data collection.

The ABEND is requested by the CACHE data collection interface 'IDCSSS01' and is issued by its caller

GRBCRSRS, which is invoked by a Monitor I or Monitor III gatherer session.

System action

Issues an SDUMP for the first occurrence within the session. At the next RMF measurement interval, CACHE data collection is invoked again.

Note: The interval begin time for those control units that had not been processed at the time of ABEND remains unchanged. The interval begin time for the other control units is the time it had been processed.

Operator response

Contact your system programmer and save the dump. If it is a permanent problem, deactivate RMF CACHE data collection.

System programmer response

Refer to the explanation at the beginning of this topic.

0301

Explanation

A return code other than 0 or 16 was returned by the TPUT SVC.

System action

RMF either terminates the session or issues message ERB235A to allow the user to decide whether or not to continue the session. The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

None.

0500**Explanation**

A VSAM error occurred during execution of a GENCB, MODCB, SHOWCB, or TESTCB macro.

System action

If this code occurs during a Monitor III data gatherer session, RMF issues message ERB857I, terminates the data set recording (terminates the data set support subtask), and issues an SDUMP. If this code occurs during a Monitor III display reporter session, RMF issues message ERB236I, indicating that the module terminated abnormally, and ERB284A, requesting whether the user wants a dump or not, and terminates the session.

The system sends messages about the job to one of the following:

- The primary console
- The remote console, for a system with remote consoles
- The hard-copy log for a system with multiple console support (MCS)

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

Contact your system programmer.

1200**Explanation**

An unexpected return code was received from the Monitor I session initialization SVC because the SVC tried to issue an ENQ macro instruction but the name (SYSZRBMF,ACTIVE) was already in use.

System action

Monitor I session processing terminates.

The system sends messages about the job to one of the following:

- The primary console
- The remote console, for a system with remote consoles
- The hard-copy log for a system with multiple console support (MCS)

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

None.

1201**Explanation**

An unexpected return code was received from the Monitor I session data collection SVC.

System action

Monitor I session processing terminates.

The system sends messages about the job to one of the following:

- The primary console
- The remote console, for a system with remote consoles
- The hard-copy log for a system with multiple console support (MCS)

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

None.

1202

Explanation

An OPEN error occurred while opening the RMF programmer message data set that was to contain abnormal messages issued as a result of errors detected during RMF processing.

System action

RMF processing terminates.

The system sends messages about the job to one of the following:

- The primary console
- The remote console, for a system with remote consoles
- The hard-copy log for a system with multiple console support (MCS)

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

None.

1203

Explanation

An error occurred while attempting to dynamically allocate a SYSOUT data set.

System action

If the error is associated with a report subtask, RMF measurement collection continues.

If the error is associated with the main RMF task, processing terminates.

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

1204

Explanation

- A return code other than 0 was returned by the I/O configuration retrieve module GRBCNFG.

System action

RMF processing terminates.

The system sends messages about the job to one of the following:

- The primary console
- The remote console, for a system with remote consoles
- The hard-copy log for a system with multiple console support (MCS)

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

None.

1205

Explanation

During initialization of a Monitor I or Monitor II background session, an unexpected return code was issued by one of the system services used to access the data set containing the session options. The session options are located in the data set named on the IEFARM DD statement in the RMF cataloged procedure; if there is no IEFARM DD statement in this procedure, the session options are read from the logical Parmlib concatenation.

System action

The session is not initialized.

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

None.

1206

Explanation

While gathering data for the Monitor I Virtual Storage Report, the sampler received a return code of 8 or greater from the VSMLIST service. The meaning of these return codes is described in *z/OS MVS Programming: Authorized Assembler Services Reference SET-WTO*.

System action

An SDUMP is produced.

1. If the failure occurred while Monitor I gathered data for the common area (indicated by ISSUER=GRBMFEVT in the SDUMP title), Monitor I terminates measurement collection. RMF attempts to reinstate Monitor I and, if successful, Monitor I continues to measure data under the control of the original options. If reinstatement fails, RMF terminates Monitor I.
2. If the failure occurred while Monitor I gathered data for a private area (indicated by ISSUER=GRBMFPVS in the SDUMP title), RMF attempts one retry. If the retry fails for the same private area, RMF no longer collects data for that private area. If there are two failures for two different private areas, RMF terminates Monitor I.

The system sends messages about the job to one of the following:

- The primary console
- The remote console, for a system with remote consoles
- The hard-copy log for a system with multiple console support (MCS)

System programmer response

Obtain the SYS1.LOGREC error record, and refer to the explanation at the beginning of this topic.

Programmer response

If Monitor I terminates, restart it without the virtual storage report by specifying the NOVSTOR option.

Another alternative is to reduce the number of jobs you have specified with the VSTOR option. Specify system address spaces, for example, CATALOG or VTAM, only for a short period of time when diagnosing a special performance situation.

1207

Explanation

An RMF lock has not been obtained within the required number of attempts.

System action

An SDUMP is produced.

1. If the failure occurred in GRBMFPVS, the lock used to serialize with GRBMFDVP remained unavailable for more than 10 seconds.
2. If the failure occurred in GRBMFDVP, the lock used to serialize with GRBMFPVS remained unavailable during 20,000 attempts by GRBMFDVP to obtain it.
3. If the failure occurred in GRBMFDTS, the lock STGSLOCK used to serialize with GRBMFEVT remained unavailable during 20,000 attempts by GRBMFDTS to obtain it.
4. If the failure occurred in GRBMFEVT, the lock used to serialize with GRBMFDTS remained unavailable for more than 10 seconds.

System programmer response

Obtain the SYS1.LOGREC error record, and refer to the explanation at the beginning of this topic.

Programmer response

- If the failure occurred in GRBMFPVS, reduce the number of jobs you have specified with the VSTOR option.
- Specify system address spaces, for example, CATALOG or VTAM, only for a short period of time when diagnosing a special performance situation.

- Otherwise, contact your system programmer.

1209**Explanation**

An error occurred during enqueue contention data collection. The reason codes are as follows:

01

Unable to establish the RMF listen exit for ENF51 ENQ data

02

Unable to establish the RMF listen exit for ENF51 RNL data

03

The RMF listen exit for GRS data received an invalid event code

04

The RMF listen exit for GRS data received an invalid parameter list

05

Too many listen events arrived concurrently at the RMF listen exit for GRS data

06

GRS listen event data cannot be accepted anymore because intermediate storage buffers are full

System action

A system dump is produced at the first occurrence of the user abend and message ERB437I is sent to the operator console. The RMF session continues. For reason codes 03 to 06 RMF tries to recover and restart enqueue data collection until the consecutive retry error count exceeds the retry limit of five within one hour. When the retry limit is reached, enqueue contention data collection is terminated.

Operator response

Contact your system programmer and save the dump. If message ERB437I indicates that enqueue contention data collection has been terminated and such data is still desired, then RMF must be stopped and started again.

System programmer response

Obtain the SVC dump and SYS1.LOGREC error records. Search the system logs for any exception regarding GRS or RMF. GRS messages (for example, ISG344I) in the system log might provide more details on the problem. For reason codes 05 and 06, you should verify that the priority definitions for RMF and RMFGAT are according to the specifications given in *z/OS Data Gatherer User's Guide*. Also, you should check if any application generates a massive amount of GRS enqueue contention events flooding the RMF listen exit. Search the problem reporting database for a fix of the problem. If no fix exists, report the problem to the IBM Support Center.

1300**Explanation**

An OPEN error was detected while opening a report SYSOUT data set.

System action

No reports are formatted for this measurement interval. RMF measurement collection continues.

The system writes an ABEND dump for the failing job step.

System programmer response

Obtain the SYS1.LOGREC error record, and refer to the explanation at the beginning of this topic.

Programmer response

None.

1301

Explanation

The report subtask experienced an unexpected return code from one of the system services while formatting and printing reports.

System action

No reports are formatted for this measurement interval. RMF measurement collection continues.

The system writes an ABEND dump for the failing job step.

System programmer response

Obtain the SYS1.LOGREC error record, and refer to the explanation at the beginning of this topic.

Programmer response

None.

1310

Explanation

An I/O error occurred while writing a report to the report SYSOUT data set.

System action

The report subtask might be reinstated. If the reinstatement is successful, a complete set of reports is reformatted and printed for this interval. If the reinstatement is unsuccessful, the reports for the RMF interval are not completely formatted and all RMF measurement collection continues.

The system writes an ABEND dump for the failing job step.

System programmer response

Obtain the SYS1.LOGREC error record, and refer to the explanation at the beginning of this topic.

Programmer response

None.

1313

Explanation

While creating a duration report, the Postprocessor found an overflow of counters. Because it is not practical to increase the size of the counters to hold more data, it is a permanent restriction of RMF that the longest duration interval supported is the amount of data that fits into the counters for that particular system. The input syntax limits the maximum to 99 hours, but the practical limitation is shorter on most systems.

System action

The system writes an ABEND dump and continues preparing the duration report. The report can contain some incorrect data.

System programmer response

If the abend continues to recur, or there is incorrect data in the report, obtain the ABEND dump and refer to the explanation at the beginning of this topic.

Programmer response

Specify a shorter interval on the DINTV control statement. When the abend does not recur, maintain the value on the DINTV control statement as the longest interval for your system.

1401

Explanation

An error code of 4, 16, 20, or more than 20 was returned by the TGET SVC.

System action

RMF either terminates the session or issues message ERB235A to allow the user to decide whether or not to continue the session.

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

None.

1402

Explanation

A return code of 8, indicating an incorrect entry code parameter, was returned by a data gatherer or data reporter during a Monitor II session.

System action

RMF either terminates the session or issues message ERB235A to allow the user to decide whether or not to continue the session.

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

None, if the module causing the error is supplied by IBM. If the module causing the error is an installation-supplied routine, locate the source of the error and test the module again.

1403

Explanation

During a Monitor II session, RMF module ERBRMFPL (the putline routine) was called with an incorrect input parameter. Either the text length was 0 or greater than 79, or the data type contained a value other than HD or DT.

System action

RMF either terminates the session or issues message ERB235A to allow the user to decide whether or not to continue the session.

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

None, if the module causing the error is supplied by IBM. If the module causing the error is an installation-supplied routine, locate the source of the incorrect parameter to the putline routine and test the module again.

1404

Explanation

During a display session, RMF module ERBPUTSM was called to add a header or data line to the logical terminal buffer, but the buffer already contained the maximum number of header or data lines.

System action

RMF either terminates the session or issues message ERB235A to allow the user to decide whether or not to continue the session.

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

None, if the module causing the error is supplied by IBM. If the module causing the error is an installation-supplied routine, locate the source of the error and test the module again.

1405

Explanation

During a display session, RMF module ERBPUTSM was called to add a header or data line to the logical terminal buffer, but the length specified for the text was zero.

System action

RMF either terminates the session or issues message ERB235A to allow the user to decide whether or not to continue the session.

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

None, if the module causing the error is supplied by IBM. If the module causing the error is an installation-supplied routine, locate the source of the error and test the module again.

1410**Explanation**

An error code of 4, 16, 20, or more than 20 was returned by the TGET SVC.

System action

RMF either terminates the session or issues message ERB276I to allow the user to decide whether or not to continue the session.

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

None.

1411**Explanation**

During a Monitor III display session, RMF requested an ISPF service via ISPLINK, but ISPLINK returned an unexpected return code. The reason code **rr**, which identifies the ISPF service, and the return code **cc** are both displayed in hexadecimal digits (0000rrcc). The reason codes (rr) for ISPF services are as follows:

- 01 - CONTROL
- 02 - DISPLAY
- 03 - GETMSG
- 04 - GRERROR
- 05 - GRINIT
- 06 - GRTERM
- 07 - LOG
- 08 - SELECT
- 09 - SETMSG
- 0A - TBADD
- 0B - TBBOTTOM
- 0C - TBCLOSE
- 0D - TBCREATE
- 0E - TBDELETE
- 0F - TBDISPL
- 10 - TBEND
- 11 - TBERASE
- 12 - TBEXIST
- 13 - TBGET
- 14 - TBMOD
- 15 - TBOPEN
- 16 - TBPUT
- 17 - TBQUERY
- 18 - TBSARG
- 19 - TBSAVE
- 1A - TBSCAN
- 1B - TBSKIP

1C - TBSORT
1D - TBSTATS
1E - TBTOP
1F - TBVCLEAR
20 - VCOPY
21 - VDEFINE
22 - VDELETE
23 - VGET
24 - VPUT
25 - VREPLACE
26 - VRESET
27 - LIBDEF
28 - PQUERY
29 - VERASE
2A - ADDPOP
2B - REMPOP

System action

RMF issues the full screen panel ERB552I that indicates which module terminated abnormally, requests a user dump, and continues the session.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

Correct the situation indicated by the reason code, or contact your system programmer. See *z/OS ISPF Services Guide* for a description of ISPF services and return codes.

1412

Explanation

During a Monitor III display session, RMF requested a graphic display service via ADMASPLT, but ADMASPLT returned an unexpected return code.

System action

RMF displays message ERB682I, which identifies the error number and function of the Graphical Data Display Manager (GDDM). The message text for ERB682I appears on the command line of the full screen panel ERB552I. ERB552I indicates which module terminated abnormally, requests a user dump, and continues the session.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

Correct the situation indicated by message ERB682I, or contact your system programmer. See *GDDM Messages* for a description of GDDM error numbers and explanations.

1413

Explanation

During a Monitor III display session, RMF detected an incorrect definition of an ISPF table. The ISPF tables for a Monitor III display session contain RMF-supplied values; the table was probably changed outside of the session.

System action

RMF displays message ERB504I, which identifies the ISPF table in error. The message text for ERB504I appears on the command line of the full screen panel ERB551I. ERB551I indicates which module terminated abnormally, requests a user dump, and terminates the session.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

Verify that your installation has properly installed all ISPF tables, and reinstall valid tables for any that are in error.

1414

Explanation

During a Monitor III display session, RMF tried to open the ISPF table output library (DDNAME=ISPTABL), but the library was not allocated.

System action

RMF issues the full screen panel ERB551I that indicates which module terminated abnormally, requests a user dump, and terminates the session.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

Allocate the ISPF table library and restart the RMF Monitor III Report session.

1415

Explanation

RMF gets a user abend not issued by RMF.

System action

RMF issues message ERB552I, allows you to request a dump, and terminates the session. Message ERB552I indicates the non-RMF abend and its reason code to identify who is causing the abend.

Programmer response

Correct the situation as described by the help text of the message panel.

1503

Explanation

During a Monitor III display session, the RMF putline module ERB3RPUT was called with an incorrect input parameter. The text length was 0 or greater than 80, and the command code contained a value other than RS, RI, or RM.

System action

RMF issues message ERB276I and terminates the session.

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

None.

1504

Explanation

During a Monitor III display session, the RMF putline module ERB3RPUT was called to add a header line to the logical screen buffer, but the buffer already contained the maximum number of header lines (six).

System action

RMF issues message ERB276I and terminates the session.

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

None.

1505

Explanation

During a Monitor III display session, the RMF putline module ERB3RPUT was called to add a header or data line to the logical screen buffer, but the text length exceeded the maximum length allowed in the logical screen buffer. The command code was either HL, HR, DL, DR, DI, or MA.

System action

RMF issues message ERB275A to allow the user to decide whether or not to continue the session.

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

None, if the module causing the error is supplied by IBM. If the module causing the error is an installation-supplied routine, locate the source of the error and test the module again.

1506

Explanation

During a Monitor III display session, the RMF putline module ERB3RPUT was called to add an error line to the logical screen buffer, but the buffer already contained the maximum number of error lines (three).

System action

RMF issues message ERB275A to allow the user to decide whether or not to continue the session.

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

None.

1507

Explanation

During a Monitor III display session, the RMF putline module ERB3RPUT was called, and the command code was incorrect.

System action

RMF issues message ERB276I and terminates the session.

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

None.

1508

Explanation

During a Monitor III display session, the RMF putline module ERB3RPUT failed because of an incorrect function or report type. The following reason codes (**rr**) identify the incorrect types:

- 01 - incorrect function type.
- 02 - incorrect report type.

System action

An informational message appears on the command line of the full screen panel ERB552I and indicates the non-RMF user abend and a reason code for the cause of the abend. ERB552I indicates which module terminated abnormally, requests a user dump, and continues the session.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

Contact your system programmer

1510

Explanation

During a Monitor III reporter session, RMF retrieved data that cannot be processed in its current format.

System action

RMF issues message ERB566I and prompts the user to request a dump.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

Request a dump and continue the session. If data sets are pre-allocated, ensure that the data was written by a RMF Monitor III data gatherer. If you only can retrieve parts of the data set, the data set might be damaged. Contact your system programmer.

1601

Explanation

During a Monitor III data gathering session, RMF did not have enough storage in the wrap around buffer area to hold one set of samples.

System action

RMF issues message ERB268I, indicating that the storage buffer is not large enough, and the data gatherer session ends.

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

Increase the value of the WSTOR parameter and start the session again.

1602

Explanation

- During a Monitor III data gatherer session, module GRB3GMSU encountered a permanent error condition when it collected too many incorrect consecutive samples (samples having missing or duplicate data). Because the Monitor III data gatherer runs enabled and holds no locks, it can be interrupted. When sampling resumes after the interrupt, system control blocks and queues may have changed, resulting in incomplete or duplicate data collections.

System action

RMF issues message ERB269I, indicating a permanent error condition, and the session terminates with message ERB280I.

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

The dispatching priority of the Monitor III data gatherer may be too low, resulting in frequent interrupts. Increasing the dispatching priority of the data gatherer should alleviate this problem.

1603

Explanation

- During a Monitor III data gatherer session, module GRB3GENQ received a bad return code from GSCAN. The return code indicates an unpredictable data area.

System action

RMF issues an SDUMP with user completion code 1603 and message ERB269I, indicating a permanent error condition, and the ENQ data gathering session terminates.

The system writes an ABEND dump for the failing job step.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

Contact your system programmer.

1604

Explanation

- During a Monitor III data gatherer session, module GRB3GJS2 found a broken SJB queue.

System action

RMF issues an SDUMP with user completion code 1604, issues a message ERB269I, indicating a permanent error condition, and terminates the JES2 data gatherer session.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

- Make sure that the offset table GRB3GJ2E is valid for your JES2 release. Contact your system programmer.
-

1605

Explanation

- During a Monitor III data gatherer session, module GRB3GJS3 found a broken MPC queue, or the JES3 macro IATXMVXM failed.

System action

RMF issues an SDUMP with user completion code 1605, issues message ERB269I, indicating a permanent error condition, and terminates the JES3 data gatherer session.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

Contact your system programmer.

1606

Explanation

- During a Monitor III gathering session, module GRB3GHSM found a broken MWE queue.

System action

RMF issues an SDUMP with user completion code 1606, issues message ERB269I, indicating a permanent error condition, and terminates the HSM data gatherer session.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

Contact your system programmer.

1607

Explanation

During a Monitor III data gathering session, an interface has returned invalid parameters or no data.

System action

RMF issues a dump. The Monitor III data collection continues.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

Contact your system programmer.

1608

Explanation

- During a Monitor III data gatherer session, module GRB3GCSR found a broken VSM user area block (CAUB) queue for unowned common storage.

System action

RMF does the following:

- Issues an SDUMP
- Issues message ERB269I, indicating a permanent error condition
- Ends the Common Storage Remaining data gatherer session

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

Contact your system programmer.

1609

Explanation

- During a Monitor III data gatherer session, module GRB3GRQA has detected a consecutive failure of the WLM IWMRQRY service.

System action

RMF issues an SDUMP with user completion code 1609, issues message ERB269I, indicating a permanent error condition, and terminates WLM workload activity data collection.

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

Contact your system programmer.

1610

Explanation

During a data gatherer session, the RMF WLM interface services detected an error. A reason code is available from the dump taken.

System action

RMF issues an SDUMP.

System programmer response

Refer to the explanation at the beginning of this topic regarding how to obtain a dump. When reporting the problem to IBM Support Center, provide the reason code (in register 15). If the U1610 did not produce a dump, please contact IBM support for assistance.

Programmer response

Contact your system programmer.

1611

Explanation

- During a Monitor III data gatherer session, module GRB3GSCM failed several times in a row to access Workload Manager data obtained from the interfaces IWMRCOLL and IWMSVPOL

System action

RMF does the following:

- Issues an SDUMP
- Issues message ERB315I, indicating a permanent error condition
- Ends Service Policy gatherer session

System programmer response

There are several messages ERB309I and ERB310I that have been issued prior this ABEND. Analyze these messages, and refer to the explanation at the beginning of this topic.

Programmer response

Contact your system programmer.

1612

Explanation

- During a Monitor III data gatherer session, module GRB3GJSX failed to retrieve the JES3 performance information data.

System action

RMF does the following:

- Issues an SDUMP
- Issues message ERB269I, indicating a permanent error condition
- Ends the JES3 performance data gatherer session

System programmer response

Refer to the explanation at the beginning of this topic.

Programmer response

Contact your system programmer.

40xx

Explanation

During a Postprocessor session, a problem has been encountered by an integrated routine of the Language Environment.

This can be an internal RMF error.

System action

RMF does the following:

- Issues a Language Environment dump
- Ends the Postprocessor session

System programmer response

Refer to the explanation at the beginning of this topic and add a CEEDUMP DD statement to the JCL.

Programmer response

- In case of a U4083 abend, define the library with the services of the Language Environment as STEPLIB for the Postprocessor job (for details, see *z/OS Resource Measurement Facility User's Guide*).
- In case of another U40.. abend, increase the region size for the Postprocessor job (for details, see *z/OS Resource Measurement Facility User's Guide*).
- Otherwise, contact your system programmer.

Chapter 6. Diagnosing problems

Before using the information provided in this topic, you should:

- Be familiar with RMF. See *z/OS Data Gatherer User's Guide* for specific information about RMF sessions.
- Understand the information in the *z/OS Problem Management*.

Identifying problems

The following table lists each problem type and its meaning. The table directs you to a diagnostic procedure for that problem type or to another information resource.

Table 1. Problem Types	
For these problem types:	See the following:
Abend X'0D5' : RMF detected an address space identifier (ASID) that was not valid.	“Diagnosing abend 0D5” on page 295
Abend X'0FE' : An error occurred, ending the Monitor I ZZ session.	“Diagnosing abend 0FE” on page 296
Unexpected abend : A module with the prefix ERB or GRB abnormally ended with a system completion code other than the codes listed above.	“Diagnosing an unexpected abend” on page 298
Message with ERB prefix.	“Diagnosing a message with an ERB prefix” on page 299
Message with CEE or EDC prefix.	“Diagnosing a message with a CEE/EDC prefix” on page 299
Abend with a user completion code issued by a module with an ERB or GRB prefix.	Chapter 5, “User completion codes,” on page 275
Incorrect output : Unusually large or small numbers appeared in an RMF report.	“Diagnosing incorrect output” on page 300
Documentation error : An error in RMF documentation was detected.	“Diagnosing a documentation error” on page 301
Empty Monitor III JES delays report : A Monitor III JES delays report was displayed that contained no data. The headings appeared, but the fields were blank.	“Diagnosing an empty Monitor III JES Delays report” on page 302

Diagnosing abend 0D5

Use this procedure when a module with the prefix ERB or GRB abnormally ends with the system completion code X'0D5'. RMF detected an ASID that was not valid.

Table 2. Diagnostic Procedure for Abend 0D5	
Diagnostic Procedure	References
1. Obtain the SYS1.LOGREC error record and format it with EREP to obtain a detail edit report.	EREP User's Guide for EREP formatting z/OS MVS Diagnosis: Tools and Service Aids to read the SYS1.LOGREC record

Table 2. Diagnostic Procedure for Abend OD5 (continued)	
Diagnostic Procedure	References
<p>2. Check the SYS1.LOGREC error record to determine if the abend occurred in module GRBMFPVS.</p> <p>If the abend did not occur in module GRBMFPVS, continue with step 4. Otherwise proceed with the next step.</p>	<p><i>z/OS MVS Diagnosis: Tools and Service Aids</i> to read the SYS1.LOGREC record</p>
<p>3. Obtain the SVC dump for the abend.</p>	<p><i>z/OS Problem Management</i></p>
<p>4. Format the dump with the IPCS VERBEXIT LOGDATA subcommand to see the system diagnostic work area (SDWA) and the search argument. In the dump, find the offset of the failing instruction into the module. If analyzing the dump at a terminal, use the IPCS WHERE subcommand to locate the failing instruction and to find its offset into the module.</p>	<p><i>z/OS MVS IPCS Commands</i> for the VERBEXIT LOGDATA and WHERE subcommands</p>
<p>5. Determine if the ASID is not valid. Either:</p> <ul style="list-style-type: none"> • The address space does not exist • The address space is swapped out. <p>Correct the problem and reinitialize RMF. If you cannot determine why the ASID is not valid, continue with the next step.</p>	
<p>6. Develop a search argument consisting of:</p> <ul style="list-style-type: none"> • Programmer identifier: IDS/566527404 • System abend code: AB/S00D5 • CSECT name: RIDS/cccccccc • Load module name: RIDS/cccccccc#L <p>Use the search argument to search problem reporting data bases. If the search finds that the problem has been reported before, request the problem fix. If not, continue with the next step.</p>	<p>“Developing a search argument for RMF” on page 303</p> <p><i>z/OS Problem Management</i></p>
<p>7. Report the problem to IBM. Provide the following problem data:</p> <ul style="list-style-type: none"> • Load module name and level • CSECT name and level • Offset of the failing instruction into the module • SVC dump (softcopy) • Search argument • Current® RMF Monitor I options • RMF version and release • Name and level of the operating system with a list of program temporary fixes (PTF) applied at the time of the problem and all installation modifications, exits, and products with other than Class A service 	<p>“Reporting a problem to IBM” on page 304</p>

Diagnosing abend OFE

Use this procedure when RMF ends with a system completion code X'0FE'. RMF detected an error while sampling data about the state of the system.

Table 3. Diagnostic procedure for abend 0FE	
Diagnostic procedure	References
1. Obtain the SYS1.LOGREC error record and format it with EREP to obtain a detail edit report.	<i>EREP User's Guide</i> for EREP formatting <i>z/OS MVS Diagnosis: Tools and Service Aids</i> to read the SYS1.LOGREC record
2. Locate the 0FE entry in the SYS1.LOGREC error record. The entry preceding X'0FE' indicates the module that abended.	<i>z/OS MVS Diagnosis: Tools and Service Aids</i>
3. Set a SLIP trap for the abend code preceding the X'0FE' entry in the SYS1.LOGREC error record. Request the SLIP to produce an SVC dump. If you cannot reproduce the situation, continue with step 5.	<i>z/OS Problem Management</i>
4. Format the dump produced by the SLIP trap with the IPCS VERBEXIT LOGDATA subcommand and keep as softcopy. In the dump, find the offset of the failing instruction into the module. If analyzing the dump at a terminal, use the IPCS WHERE subcommand to locate the failing instruction and to find its offset into the module.	<i>z/OS MVS IPCS Commands</i> for the VERBEXIT LOGDATA and WHERE subcommands
5. Develop a search argument consisting of: <ul style="list-style-type: none"> • Program identifier: PIDS/566527404 • Load module name: RIDS/cccccccc#L • CSECT name: RIDS/cccccccc • System abend code: AB/S00FE • SLIP trap abend code: AB/S0xxx Use the search argument to search problem reporting data bases. If the search finds that the problem has been reported before, request the problem fix. If not, continue with the next step.	“Developing a search argument for RMF” on page 303 <i>z/OS Problem Management</i>
6. Report the problem to IBM. Provide the following problem data: <ul style="list-style-type: none"> • Load module name and level • CSECT name and level • Offset of the failing instruction into the module • Registers at time of abend • SVC dump produced by the SLIP trap (softcopy) • SYS1.LOGREC (softcopy) • Search argument • Current RMF Monitor I options • RMF version and release • Console log of this situation including related ERBxxxI messages • Name and level of the operating system with a list of program temporary fixes (PTF) applied at the time of the problem and all installation modifications, exits, and products with other than Class A service 	“Reporting a problem to IBM” on page 304

Diagnosing an unexpected abend

Use this procedure when a module with the prefix ERB or GRB abnormally ends with a system completion code other than the codes listed in the table under “Identifying problems” on page 295.

Table 4. Diagnostic procedure for an unexpected abend	
Diagnostic procedure	References
1. Look at the explanation for the abend code and any accompanying reason code. Take the recommended actions.	<i>z/OS MVS System Codes</i> for an explanation of the abend code
2. Obtain messages accompanying the abend. Look at their explanations and take any recommended actions.	Visit IBM Documentation (www.ibm.com/docs/en/zos) to find the message explanation and recommended action.
3. Obtain the SYS1.LOGREC error record, the dump, or both for the abend (softcopy).	<i>z/OS MVS Diagnosis: Tools and Service Aids</i>
4. Format the dump or SYS1.LOGREC record to see the SDWA and the search argument: <ul style="list-style-type: none"> Format an SVC dump or SYSMDUMP ABEND dump with the IPCS VERBEXIT LOGDATA subcommand. Format a SYS1.LOGREC record with EREP to obtain a detail edit report. Find the heading VARIABLE RECORDING AREA (SDWAVRA). Note the SDWAVRA keys, lengths, and contents.	<i>z/OS MVS IPCS Commands</i> for the VERBEXIT LOGDATA subcommand <i>EREP User's Guide</i> for EREP formatting <i>z/OS MVS Diagnosis: Tools and Service Aids</i>
5. In the dump, find the offset of the failing instruction within the CSECT of the load module. If analyzing the dump at a terminal, use the IPCS WHERE subcommand to locate the failing instruction and to find its offset into the module.	<i>z/OS MVS IPCS Commands</i> for the WHERE subcommand
6. Use the WRITELOG system command to print the system log (keep as softcopy). The system log shows all system messages and commands issued. Make sure you print the log for the time period when the abend occurred.	<i>z/OS MVS System Commands</i> for the WRITELOG command
7. Develop a search argument consisting of: <ul style="list-style-type: none"> Program identifier: PIDS/566527404 System abend code: AB/S0xx Abend reason code: PRCS/xxxxxxx Message identifier: MS/cccnns CSECT: RIDs/ccccccc Load module name: RIDs/ccccccc#L Use the search argument to search problem reporting data bases. If the search finds that the problem has been reported before, request the problem fix. If not, continue with the next step.	“Developing a search argument for RMF” on page 303 <i>z/OS Problem Management</i>

Table 4. Diagnostic procedure for an unexpected abend (continued)	
Diagnostic procedure	References
<p>8. Report the problem to IBM. Provide the following problem data:</p> <ul style="list-style-type: none"> • Accompanying messages • The dump, SYS1.LOGREC error record, or both (softcopy) • SDWAVRA keys, lengths, and contents • Hardcopy (or better softcopy) of console log • Search argument • Offset of the failing instruction into the module • Current RMF options for session running • RMF version and release • Load module name and level • CSECT name and level • Name and level of the operating system with a list of program temporary fixes (PTF) applied at the time of the problem and all installation modifications, exits, and products with other than Class A service. 	<p>“Reporting a problem to IBM” on page 304</p>

Diagnosing a message with an ERB prefix

Use this procedure when you receive a message with an ERB prefix.

Table 5. Diagnostic procedure for a message with an ERB prefix	
Diagnostic procedure	References
<p>1. Determine which session was running when the message was issued.</p> <ul style="list-style-type: none"> • If the message was issued within an RMF ISPF reporter session, use the help facility RMF supplies for an explanation of the message and user response. • If the message was received on the main operator console, it is a system message. <p>If you need assistance with a message, continue with the next step.</p>	<p>Press the HELP key (PF1) for an explanation of the message. These message explanations are also listed in <i>z/OS Resource Measurement Facility Messages and Codes</i>.</p> <p>For an explanation and an appropriate operator response for system messages, see IBM Documentation (www.ibm.com/docs/en/zos).</p>
<p>2. Report the problem to IBM. Provide the following problem data:</p> <ul style="list-style-type: none"> • Message number • RMF version and release • RMF session: Monitor I, II, III or Postprocessor • Name and level of the operating system with a list of program temporary fixes (PTF) applied at the time of the problem and all installation modifications, exits, and products with other than Class A service 	<p>“Reporting a problem to IBM” on page 304</p>

Diagnosing a message with a CEE/EDC prefix

Use this procedure when you receive a message with a CEE or EDC prefix.

Diagnosing problems

These message are created by integrated LE/370 routines during a Postprocessor session.

Table 6. Diagnostic Procedure for a Message with a CEE/EDC Prefix	
Diagnostic Procedure	References
1. Increase the region size for the Postprocessor job. If the problem is not solved, continue with the next step.	See <i>z/OS Resource Measurement Facility User's Guide</i> for details. See <i>z/OS Language Environment Debugging Guide</i> for an explanation of the message.
2. Report the problem to IBM. Provide the following problem data: <ul style="list-style-type: none">• Message number• RMF version and release• RMF session: Postprocessor• Name and level of the operating system with a list of program temporary fixes (PTF) applied at the time of the problem and all installation modifications, exits, and products with other than Class A service	“Reporting a problem to IBM” on page 304

Diagnosing incorrect output

Use this procedure when unusually large or small numbers appear in any RMF reports. Inaccurate input might have been given to RMF from another system component.

Table 7. Diagnostic procedure for incorrect output	
Diagnostic procedure	References
1. Obtain a hardcopy of the report that has unusual numbers. If the problem is a Monitor III JES Delays report that has no data, see “Diagnosing an empty Monitor III JES Delays report” on page 302 .	<i>z/OS Resource Measurement Facility User's Guide</i>
2. If you are running a Monitor I or Monitor II session or the Postprocessor, and you are collecting SMF data, print the contents of the SMF records which generated <i>this</i> report (and keep them as softcopy). If you are running a Monitor III session, keep any VSAM data sets used to hold data during the session. If the problem is with a report produced by a Monitor III SMF record, print the contents of that SMF record (and keep it as softcopy).	<i>z/OS Resource Measurement Facility User's Guide</i>

Table 7. Diagnostic procedure for incorrect output (continued)	
Diagnostic procedure	References
<p>3. Report the problem to IBM. Provide the following problem data:</p> <ul style="list-style-type: none"> • Hardcopy (or better softcopy) of the report • Accompanying messages • RMF version and release • RMF session: Monitor I, II, III or Postprocessor • SMF record contents • VSAM data set contents if running a Monitor III session • Current RMF options • Name and level of the operating system with a list of program temporary fixes (PTF) applied at the time of the problem and all installation modifications, exits, and products with other than Class A service 	<p>“Reporting a problem to IBM” on page 304</p>

Diagnosing a documentation error

Use this procedure when you find an error in RMF documentation.

Table 8. Diagnostic procedure for a documentation error	
Diagnostic procedure	References
<p>1. If you have a problem with an RMF publication, use the Reader's Comment Form of that book to report the documentation error. Be specific when reporting the error.</p> <p>If there is no Reader's Comment Form, send your description of the documentation error to the address listed in the edition notice of the book. Include the following information:</p> <ul style="list-style-type: none"> • Publication title • Publication order number • Page number containing the problem • Thorough description of the problem <p>If the problem is with a form of documentation other than a publication, continue with the next step.</p>	<p>See the Reader's Comment Form of this book for an example.</p>
<p>2. If the problem was with an RMF ISPF panel, type PANELID on the command line to display the panel ID. Use the Reader's Comment Form of <i>z/OS Resource Measurement Facility Report Analysis</i> to report the problem. Include the following information:</p> <ul style="list-style-type: none"> • RMF version and release • Panel ID • Thorough description of the problem 	<p>See the Reader's Comment Form of this book for an example.</p>

Table 8. Diagnostic procedure for a documentation error (continued)	
Diagnostic procedure	References
<p>3. Report the problem to the IBM Support Center <i>only</i> in the following situations:</p> <ul style="list-style-type: none"> • The correction to the documentation is needed to prevent a severe problem. • You are not sure if the problem is a documentation error or product error. <p>If you report the problem to the IBM Support Center, provide the following data:</p> <ul style="list-style-type: none"> • RMF version and release. • The name and order number of the publication you are using and the page containing the error. • If the error was on an online panel, provide the panel ID. Type PANELID on the command line to display the panel ID. • Name and level of the operating system with a list of program temporary fixes (PTF) applied at the time of the problem and all installation modifications, exits, and products with other than Class A service. 	<p>“Reporting a problem to IBM” on page 304</p>

Diagnosing an empty Monitor III JES Delays report

Use this procedure when no data appears in a Monitor III JES Delays report.

If there are no jobs delayed by JES, RMF generates an empty Monitor III JES Delays report. In this case, an empty report is not considered a problem.

Table 9. Diagnostic Procedure for Empty Monitor III JES Delays Report	
Diagnostic Procedure	References
1. Find out if the JES2 or JES3 control blocks have changed at your installation. If so, Monitor III modules might be affected.	For the RMF/JES interface module installation procedures, see <i>z/OS Program Directory</i>
2. If the JES control blocks have changed, you must reassemble and link-edit the RMF source modules that map offsets to the JES control block fields sampled by Monitor III using the new JES macros. If the problem occurs again, continue with the next step.	
<p>3. Report the problem to IBM. Provide the following problem data:</p> <ul style="list-style-type: none"> • Accompanying messages • RMF version and release • Installed JES level • Hardcopy of the report • VSAM data set contents • Name and level of the operating system with a list of program temporary fixes (PTF) applied at the time of the problem and all installation modifications, exits, and products with other than Class A service. 	<p>“Reporting a problem to IBM” on page 304</p>

Obtaining a dump from Monitor II or Monitor III

If an error occurs in the Monitor II or Monitor III reporter session, RMF prompts you whether you want to write a dump. Follow the steps of the diagnostic procedure to obtain a dump:

1. Enter into the command line:

```
TSO FREE FI(SYSUDUMP SYSABEND)
```

You can ignore messages, for example: IKJ56247I FILE xxxxxxxx NOT FREED, IS NOT ALLOCATED

2. Enter into the command line:

```
TSO ALLOC FI(SYSMDUMP) DA(dsname) NEW SP(200 200) CYL REUSE REL
```

If the command does not fit into the command line, start the split-screen mode to enter the command.

3. Answer Y in the dump request panel:

Would you like a dump? Enter Y or N. ==> **Y**

4. The system now writes an unformatted dump to the data set just allocated. This may take some time. When it is finished, the system issues message:

```
IEA993I SYSMDUMP TAKEN TO dsname
```

5. You can now process the dump with IPCS.

Developing a search argument for RMF

You or IBM can use a search argument to search a problem reporting data base to look for a problem similar to the one you encountered. If the problem was reported previously, a problem reporting data base contains information about the problem and, possibly, a fix. See *z/OS Problem Management* for detailed descriptions of formatting search arguments and searching data bases.

The following table shows symptoms for RMF search arguments. The table summarizes the symptoms recommended in the diagnostic procedures in [Chapter 6, "Diagnosing problems,"](#) on page 295.

Use the **free-format** if your installation has a free-format search tool, such as INFO/System with the INFO/MVS data base.

Use the **structured** format if your installation has a structured format search tool, such as INFO/Management or INFO/Access.

Table 10. Search arguments from diagnostic procedures			
Description	Free format	Structured format	Examples
System abend code	abendhhh	AB/S0hhh	abend0D5 AB/S00D5
User completion code	abenddddd	AB/Udddd	abend1207 AB/U1207
Message identifier	msgccccccc	MS/ccccccc	msgERB251I MS/ERB251I
Load module name	cccccccc	RIDS/cccccccc#L	ERB3GMFC RIDS/ERB3GMFC#L

Table 10. Search arguments from diagnostic procedures (continued)

Description	Free format	Structured format	Examples
CSECT name (object module)	cccccccc	RIDS/cccccccc	ERBRMFPP RIDS/ERBRMFPP
Return code	rchhhhhhhh	PRCS/hhhhhhhh	00000020 PRCS/00000020
Program identifier The first four characters identify the product MVS™ and the last five characters identify RMF.	cccccccc	PIDS/cccccccc	566527404 PIDS/566527404

Reporting a problem to IBM

The following tables identify the information you need to collect before calling IBM to report an RMF or a z/OS Data Gatherer problem. When you report a problem, you need to describe your system and the problem you experienced. The IBM Support Center personnel uses this information to see if the problem is already known to IBM, check whether a fix is available, or determine how to correct the problem.

Table 11 on page 304 lists the problem data you need to collect before calling IBM to report a problem with an abend X'0D5'.

Table 11. Checklist for reporting a problem with a 0D5 abend

Problem data	Example or reference
Load module name and level ¹	ERBxxxxx Unnnnnnn ² GRBxxxxx Unnnnnnn
CSECT name and level	ERBxxxxx Unnnnnnn ² GRBxxxxx Unnnnnnn
Offset of the failing instruction into the module	X'090AF'
SVC dump (SYSMDUMP as softcopy)	<i>z/OS Problem Management</i>
Search argument	“Developing a search argument for RMF” on page 303 <i>z/OS Problem Management</i>
Current z/OS Data Gatherer options	Use the RMF DISPLAY command to display the current options on the operator console. <i>z/OS Data Gatherer User's Guide</i>
RMF version and release z/OS Data Gatherer version and release	z/OS RMF V2R5 z/OS Data Gatherer V2R5
Program temporary fix (PTF) numbers	Unnnnnnn
Other problem data developed while using <i>z/OS Problem Management</i> and the diagnostic procedures in Chapter 1	

Table 11. Checklist for reporting a problem with a 0D5abend (continued)

Problem data	Example or reference
Note: 1. The level can be <i>Unnnnnn</i> , <i>HRMnnnn</i> , or <i>JRMnnnn</i> . 2. <i>xxxxx</i> and <i>nnnnnn</i> are just placeholders. The actual data can be obtained from the dump.	

Table 12 on page 305 lists the problem data you need to collect before calling IBM to report a problem with an abend X'0FE'.

Table 12. Checklist for reporting a problem with a 0FEabend

Problem data	Example or reference
Load module name and level ¹	ERBxxxxx <i>Unnnnnn</i> ² GRBxxxxx <i>Unnnnnn</i>
CSECT name and level	ERBxxxxx <i>Unnnnnn</i> ² GRBxxxxx <i>Unnnnnn</i>
Offset of the failing instruction into the module	X'090AF'
SVC dump produced by the SLIP trap (softcopy)	<i>z/OS Problem Management</i>
SYS1.LOGREC (softcopy)	<i>z/OS MVS Diagnosis: Tools and Service Aids</i>
Console log (softcopy)	
Search argument	“Developing a search argument for RMF” on page 303 <i>z/OS Problem Management</i>
Current Monitor I options	Use the RMF DISPLAY command to display the current options on the operator console. <i>z/OS Data Gatherer User's Guide</i>
RMF version and release z/OS Data Gatherer version and release	z/OS RMF V2R5 z/OS Data Gatherer V2R5
Program temporary fix (PTF) numbers	<i>Unnnnnn</i>
Other problem data developed while using <i>z/OS Problem Management</i> and the diagnostic procedures in Chapter 1	
Note: 1. The level can be <i>Unnnnnn</i> , <i>HRMnnnn</i> , or <i>JRMnnnn</i> . 2. <i>xxxxx</i> and <i>nnnnnn</i> are just placeholders. The actual data can be obtained from the dump.	

Table 13 on page 306 lists the problem data you need to collect before calling IBM to report a problem with an unexpected abend.

<i>Table 13. Checklist for reporting a problem with an unexpected abend</i>	
Problem data	Example or reference
Load module name and level ¹	ERBxxxxx Unnnnnnn ² GRBxxxxx Unnnnnnn
CSECT name and level	ERBxxxxx Unnnnnnn ² GRBxxxxx Unnnnnnn
Messages accompanying the problem, including the message identifier and variable data in the message text	Identifier: ERB259I Text: EXCEPTION REPORTING TERMINATED z/OS Resource Measurement Facility Messages and Codes
SVC dump (SYSMDUMP as softcopy)	<i>z/OS Problem Management</i>
SYS1.LOGREC error record (softcopy)	<i>z/OS Problem Management</i>
SDWAVRA keys, lengths, and contents	<i>z/OS Problem Management</i>
System log to show system messages and commands (softcopy)	<i>z/OS MVS System Commands</i> for WRITELOG command
Search argument	“Developing a search argument for RMF” on page 303 <i>z/OS Problem Management</i>
In case of a Monitor III error, provide the contents of the VSAM data set belonging to this problem	
Offset of the failing instruction into the module	X'090AF'
Current z/OS Data Gatherer options for session running	Use the RMF DISPLAY command to display the current options on the operator console. <i>z/OS Data Gatherer User's Guide</i>
RMF version and release z/OS Data Gatherer version and release	<i>z/OS RMF V2R5</i> <i>z/OS Data Gatherer V2R5</i>
Program temporary fix (PTF) numbers	<i>Unnnnnnn</i>
Other problem data developed while using <i>z/OS Problem Management</i> and the diagnostic procedures in Chapter 1	
Note: 1. The level can be <i>Unnnnnnn</i> , <i>HRMnnnnn</i> , or <i>JRMnnnnn</i> . 2. xxxxxx and nnnnnn are just placeholders. The actual data can be obtained from the dump.	

Table 14 on page 307 lists the problem data you need to collect before calling IBM to report a problem with an ERB, CEE or EDC message.

Table 14. Checklist for reporting a problem with an ERB, CEE, or EDC message	
Problem data	Example or reference
Message number	ERB671I
RMF version and release z/OS Data Gatherer version and release	z/OS RMF V2R5 z/OS Data Gatherer V2R5
RMF session	Monitor I, II, III or Postprocessor
Program temporary fix (PTF) numbers	Unnnnnn ¹
Other problem data developed while using <i>z/OS Problem Management</i> and the diagnostic procedures in Chapter 1.	
Note: 1. <i>nnnnnn</i> is just a placeholder. The actual data can be obtained from the dump.	

Table 15 on page 307 lists the problem data you need to collect before calling IBM to report a problem with incorrect output.

Table 15. Checklist for reporting a problem with incorrect output	
Problem data	Example or reference
Hardcopy of report	<i>z/OS Resource Measurement Facility User's Guide</i>
Accompanying messages	<i>z/OS Resource Measurement Facility Messages and Codes</i>
RMF version and release z/OS Data Gatherer version and release	z/OS RMF V2R5 z/OS Data Gatherer V2R5
RMF session	Monitor I, II, III or Postprocessor
SMF record contents	<i>z/OS Resource Measurement Facility User's Guide</i>
Unloaded VSAM data set contents if running a Monitor III session	<i>z/OS Data Gatherer User's Guide</i>
Current RMF and z/OS Data Gatherer options	Copy from SYS1.PARMLIB
Program temporary fix (PTF) numbers	Unnnnnn ¹
Other problem data developed while using <i>z/OS Problem Management</i> and the diagnostic procedures in Chapter 1	
Note: 1. <i>nnnnnn</i> is just a placeholder. The actual data can be obtained from the dump.	

Table 16 on page 307 lists the problem data you need to collect before calling IBM to report a problem with documentation.

Table 16. Checklist for reporting a documentation error	
Problem data	Example or reference
Publication title	<i>z/OS Resource Measurement Facility Messages and Codes</i>

Table 16. Checklist for reporting a documentation error (continued)

Problem data	Example or reference
Publication order number	SC34-2666-xx ¹
Page number containing problem	3-45
Panel ID	ERB3PRM
RMF version and release z/OS Data Gatherer version and release	z/OS RMF V2R5 z/OS Data Gatherer V2R5
Program temporary fix (PTF) numbers	Unnnnnn ²
Thorough description of the problem.	
Other problem data developed while using <i>z/OS Problem Management</i> and the diagnostic procedures in Chapter 1	
Notes: 1. xx is just a placeholder. Supply the actual publication order number suffix. 2. nnnnnn is just a placeholder. The actual data can be obtained from the dump.	

Table 17 on page 308 lists the problem data you need to collect before calling IBM to report a problem with a Monitor III JES delays report.

Table 17. Checklist for reporting a problem with a Monitor III JES Delays report

Problem data	Example or reference
Accompanying messages	<i>z/OS Resource Measurement Facility Messages and Codes</i>
Installed JES level	JES3 Release x.x
Hardcopy of report	<i>z/OS Resource Measurement Facility User's Guide</i>
Unloaded VSAM data set contents	<i>z/OS Data Gatherer User's Guide</i>
RMF version and release z/OS Data Gatherer version and release	z/OS RMF V2R5 z/OS Data Gatherer V2R5
Program temporary fix (PTF) numbers	Unnnnnn ¹
Other problem data developed while using <i>z/OS Problem Management</i> and the diagnostic procedures in Chapter 1	
Note: 1. nnnnnn is just a placeholder. The actual data can be obtained from the dump.	

Appendix A. Accessibility

Accessible publications for this product are offered through [IBM Documentation \(www.ibm.com/docs/en/zos\)](http://www.ibm.com/docs/en/zos).

If you experience difficulty with the accessibility of any z/OS information, send a detailed message to the [Contact the z/OS team web page \(www.ibm.com/systems/campaignmail/z/zos/contact_z\)](http://www.ibm.com/systems/campaignmail/z/zos/contact_z) or use the following mailing address.

IBM Corporation
Attention: MHVRCFS Reader Comments
Department H6MA, Building 707
2455 South Road
Poughkeepsie, NY 12601-5400
United States

Accessibility features

Accessibility features help users who have physical disabilities such as restricted mobility or limited vision use software products successfully. The accessibility features in z/OS can help users do the following tasks:

- Run assistive technology such as screen readers and screen magnifier software.
- Operate specific or equivalent features by using the keyboard.
- Customize display attributes such as color, contrast, and font size.

Consult assistive technologies

Assistive technology products such as screen readers function with the user interfaces found in z/OS. Consult the product information for the specific assistive technology product that is used to access z/OS interfaces.

Keyboard navigation of the user interface

You can access z/OS user interfaces with TSO/E or ISPF. The following information describes how to use TSO/E and ISPF, including the use of keyboard shortcuts and function keys (PF keys). Each guide includes the default settings for the PF keys.

- *z/OS TSO/E Primer*
- *z/OS TSO/E User's Guide*
- *z/OS ISPF User's Guide Vol I*

Dotted decimal syntax diagrams

Syntax diagrams are provided in dotted decimal format for users who access IBM Documentation with a screen reader. In dotted decimal format, each syntax element is written on a separate line. If two or more syntax elements are always present together (or always absent together), they can appear on the same line because they are considered a single compound syntax element.

Each line starts with a dotted decimal number; for example, 3 or 3.1 or 3.1.1. To hear these numbers correctly, make sure that the screen reader is set to read out punctuation. All the syntax elements that have the same dotted decimal number (for example, all the syntax elements that have the number 3.1)

are mutually exclusive alternatives. If you hear the lines 3.1 USERID and 3.1 SYSTEMID, your syntax can include either USERID or SYSTEMID, but not both.

The dotted decimal numbering level denotes the level of nesting. For example, if a syntax element with dotted decimal number 3 is followed by a series of syntax elements with dotted decimal number 3.1, all the syntax elements numbered 3.1 are subordinate to the syntax element numbered 3.

Certain words and symbols are used next to the dotted decimal numbers to add information about the syntax elements. Occasionally, these words and symbols might occur at the beginning of the element itself. For ease of identification, if the word or symbol is a part of the syntax element, it is preceded by the backslash (\) character. The * symbol is placed next to a dotted decimal number to indicate that the syntax element repeats. For example, syntax element *FILE with dotted decimal number 3 is given the format 3 * FILE. Format 3* FILE indicates that syntax element FILE repeats. Format 3* * FILE indicates that syntax element * FILE repeats.

Characters such as commas, which are used to separate a string of syntax elements, are shown in the syntax just before the items they separate. These characters can appear on the same line as each item, or on a separate line with the same dotted decimal number as the relevant items. The line can also show another symbol to provide information about the syntax elements. For example, the lines 5.1*, 5.1 LASTRUN, and 5.1 DELETE mean that if you use more than one of the LASTRUN and DELETE syntax elements, the elements must be separated by a comma. If no separator is given, assume that you use a blank to separate each syntax element.

If a syntax element is preceded by the % symbol, it indicates a reference that is defined elsewhere. The string that follows the % symbol is the name of a syntax fragment rather than a literal. For example, the line 2.1 %OP1 means that you must refer to separate syntax fragment OP1.

The following symbols are used next to the dotted decimal numbers.

? indicates an optional syntax element

The question mark (?) symbol indicates an optional syntax element. A dotted decimal number followed by the question mark symbol (?) indicates that all the syntax elements with a corresponding dotted decimal number, and any subordinate syntax elements, are optional. If there is only one syntax element with a dotted decimal number, the ? symbol is displayed on the same line as the syntax element, (for example 5? NOTIFY). If there is more than one syntax element with a dotted decimal number, the ? symbol is displayed on a line by itself, followed by the syntax elements that are optional. For example, if you hear the lines 5 ?, 5 NOTIFY, and 5 UPDATE, you know that the syntax elements NOTIFY and UPDATE are optional. That is, you can choose one or none of them. The ? symbol is equivalent to a bypass line in a railroad diagram.

! indicates a default syntax element

The exclamation mark (!) symbol indicates a default syntax element. A dotted decimal number followed by the ! symbol and a syntax element indicate that the syntax element is the default option for all syntax elements that share the same dotted decimal number. Only one of the syntax elements that share the dotted decimal number can specify the ! symbol. For example, if you hear the lines 2? FILE, 2.1! (KEEP), and 2.1 (DELETE), you know that (KEEP) is the default option for the FILE keyword. In the example, if you include the FILE keyword, but do not specify an option, the default option KEEP is applied. A default option also applies to the next higher dotted decimal number. In this example, if the FILE keyword is omitted, the default FILE (KEEP) is used. However, if you hear the lines 2? FILE, 2.1, 2.1.1! (KEEP), and 2.1.1 (DELETE), the default option KEEP applies only to the next higher dotted decimal number, 2.1 (which does not have an associated keyword), and does not apply to 2? FILE. Nothing is used if the keyword FILE is omitted.

*** indicates an optional syntax element that is repeatable**

The asterisk or glyph (*) symbol indicates a syntax element that can be repeated zero or more times. A dotted decimal number followed by the * symbol indicates that this syntax element can be used zero or more times; that is, it is optional and can be repeated. For example, if you hear the line 5.1* data area, you know that you can include one data area, more than one data area, or no data area. If you hear the lines 3* , 3 HOST, 3 STATE, you know that you can include HOST, STATE, both together, or nothing.

Notes:

1. If a dotted decimal number has an asterisk (*) next to it and there is only one item with that dotted decimal number, you can repeat that same item more than once.
2. If a dotted decimal number has an asterisk next to it and several items have that dotted decimal number, you can use more than one item from the list, but you cannot use the items more than once each. In the previous example, you can write HOST STATE, but you cannot write HOST HOST.
3. The * symbol is equivalent to a loopback line in a railroad syntax diagram.

+ indicates a syntax element that must be included

The plus (+) symbol indicates a syntax element that must be included at least once. A dotted decimal number followed by the + symbol indicates that the syntax element must be included one or more times. That is, it must be included at least once and can be repeated. For example, if you hear the line 6.1+ data area, you must include at least one data area. If you hear the lines 2+, 2 HOST, and 2 STATE, you know that you must include HOST, STATE, or both. Similar to the * symbol, the + symbol can repeat a particular item if it is the only item with that dotted decimal number. The + symbol, like the * symbol, is equivalent to a loopback line in a railroad syntax diagram.

Notices

This information was developed for products and services that are offered in the USA or elsewhere.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

*IBM Director of Licensing
IBM Corporation
North Castle Drive, MD-NC119
Armonk, NY 10504-1785
United States of America*

For license inquiries regarding double-byte character set (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

*Intellectual Property Licensing
Legal and Intellectual Property Law
IBM Japan Ltd.
19-21, Nihonbashi-Hakozakicho, Chuo-ku
Tokyo 103-8510, Japan*

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law: INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

This information could include missing, incorrect, or broken hyperlinks. Hyperlinks are maintained in only the HTML plug-in output for IBM Documentation. Use of hyperlinks in other output formats of this information is at your own risk.

Any references in this information to non-IBM websites are provided for convenience only and do not in any manner serve as an endorsement of those websites. The materials at those websites are not part of the materials for this IBM product and use of those websites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

*IBM Corporation
Site Counsel
2455 South Road*

Poughkeepsie, NY 12601-5400
USA

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

All statements regarding IBM's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to IBM, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. IBM, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs. The sample programs are provided "AS IS", without warranty of any kind. IBM shall not be liable for any damages arising out of your use of the sample programs.

Terms and conditions for product documentation

Permissions for the use of these publications are granted subject to the following terms and conditions.

Applicability

These terms and conditions are in addition to any terms of use for the IBM website.

Personal use

You may reproduce these publications for your personal, noncommercial use provided that all proprietary notices are preserved. You may not distribute, display or make derivative work of these publications, or any portion thereof, without the express consent of IBM.

Commercial use

You may reproduce, distribute and display these publications solely within your enterprise provided that all proprietary notices are preserved. You may not make derivative works of these publications, or

reproduce, distribute or display these publications or any portion thereof outside your enterprise, without the express consent of IBM.

Rights

Except as expressly granted in this permission, no other permissions, licenses or rights are granted, either express or implied, to the publications or any information, data, software or other intellectual property contained therein.

IBM reserves the right to withdraw the permissions granted herein whenever, in its discretion, the use of the publications is detrimental to its interest or, as determined by IBM, the above instructions are not being properly followed.

You may not download, export or re-export this information except in full compliance with all applicable laws and regulations, including all United States export laws and regulations.

IBM MAKES NO GUARANTEE ABOUT THE CONTENT OF THESE PUBLICATIONS. THE PUBLICATIONS ARE PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT, AND FITNESS FOR A PARTICULAR PURPOSE.

IBM Online Privacy Statement

IBM Software products, including software as a service solutions, ("Software Offerings") may use cookies or other technologies to collect product usage information, to help improve the end user experience, to tailor interactions with the end user, or for other purposes. In many cases no personally identifiable information is collected by the Software Offerings. Some of our Software Offerings can help enable you to collect personally identifiable information. If this Software Offering uses cookies to collect personally identifiable information, specific information about this offering's use of cookies is set forth below.

Depending upon the configurations deployed, this Software Offering may use session cookies that collect each user's name, email address, phone number, or other personally identifiable information for purposes of enhanced user usability and single sign-on configuration. These cookies can be disabled, but disabling them will also eliminate the functionality they enable.

If the configurations deployed for this Software Offering provide you as customer the ability to collect personally identifiable information from end users via cookies and other technologies, you should seek your own legal advice about any laws applicable to such data collection, including any requirements for notice and consent.

For more information about the use of various technologies, including cookies, for these purposes, see IBM's Privacy Policy at ibm.com/privacy and IBM's Online Privacy Statement at ibm.com/privacy/details in the section entitled "Cookies, Web Beacons and Other Technologies," and the "IBM Software Products and Software-as-a-Service Privacy Statement" at ibm.com/software/info/product-privacy.

Policy for unsupported hardware

Various z/OS elements, such as DFSMSdfp, JES2, JES3, and MVS, contain code that supports specific hardware servers or devices. In some cases, this device-related element support remains in the product even after the hardware devices pass their announced End of Service date. z/OS may continue to service element code; however, it will not provide service related to unsupported hardware devices. Software problems related to these devices will not be accepted for service, and current service activity will cease if a problem is determined to be associated with out-of-support devices. In such cases, fixes will not be issued.

Minimum supported hardware

The minimum supported hardware for z/OS releases identified in z/OS announcements can subsequently change when service for particular servers or devices is withdrawn. Likewise, the levels of other software products supported on a particular release of z/OS are subject to the service support lifecycle of those

products. Therefore, z/OS and its product publications (for example, panels, samples, messages, and product documentation) can include references to hardware and software that is no longer supported.

- For information about software support lifecycle, see: [IBM Lifecycle Support for z/OS \(www.ibm.com/software/support/systemsz/lifecycle\)](http://www.ibm.com/software/support/systemsz/lifecycle)
- For information about currently-supported IBM hardware, contact your IBM representative.

Trademarks

IBM, the IBM logo, and ibm.com are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at [Copyright and Trademark information \(www.ibm.com/legal/copytrade.shtml\)](http://www.ibm.com/legal/copytrade.shtml).

Java™ is a trademark of Sun Microsystems, Inc. in the United States, other countries, or both.

Linux is a trademark of Linus Torvalds in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Windows, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States and/or other countries.

Other company, product, and service names may be trademarks or service marks of others.

Index

Numerics

0213 [275](#)
0301 [275](#)
0500 [276](#)
1200 [276](#)
1201 [276](#)
1202 [277](#)
1203 [277](#)
1204 [278](#)
1205 [278](#)
1206 [278](#)
1207 [279](#)
1209 [280](#)
1300 [280](#)
1301 [281](#)
1310 [281](#)
1313 [281](#)
1401 [282](#)
1402 [282](#)
1403 [282](#)
1404 [283](#)
1405 [283](#)
1410 [284](#)
1411 [284](#)
1412 [285](#)
1413 [285](#)
1414 [286](#)
1415 [286](#)
1503 [286](#)
1504 [287](#)
1505 [287](#)
1506 [288](#)
1507 [288](#)
1508 [288](#)
1510 [289](#)
1601 [289](#)
1602 [289](#)
1603 [290](#)
1604 [290](#)
1605 [291](#)
1606 [291](#)
1607 [291](#)
1608 [292](#)
1609 [292](#)
1610 [292](#)
1611 [293](#)
1612 [293](#)
40xx [293](#)

A

abend OD5
 [checklist for reporting 304](#)
 [diagnostic procedure for 295](#)
abend OFE
 [checklist for reporting 305](#)

abend OFE (*continued*)
 [diagnostic procedure for 296](#)
accessibility
 [contact IBM 309](#)
 [features 309](#)
assistive technologies [309](#)

C

[checklist of problem data 304](#)
contact
 [z/OS 309](#)

D

[diagnosing problems 295](#)
documentation error
 [checklist for reporting 307](#)
 [diagnostic procedure for 301](#)
dump
 [from Monitor II 303](#)
 [from Monitor III 303](#)

E

empty Monitor III JES delays report
 [checklist for reporting 308](#)
empty Monitor III JES Delays report
 [diagnostic procedure for 302](#)
ERB100I [1](#)
ERB101I [1](#)
ERB102I [1](#)
ERB103I [1](#)
ERB104I [2](#)
ERB105I [2](#)
ERB106I [2](#)
ERB107I [2](#)
ERB108I [3](#)
ERB109I [3](#)
ERB110I [3](#)
ERB111I [4](#)
ERB112I [4](#)
ERB113I [4](#)
ERB114I [4](#)
ERB115I [5](#)
ERB116I [5](#)
ERB117I [5](#)
ERB119I [6](#)
ERB140I [6](#)
ERB141I [6](#)
ERB142I [6](#)
ERB143I [6](#)
ERB144I [7](#)
ERB145I [7](#)
ERB146I [7](#)
ERB147I [7](#)

ERB148I	8	ERB268I	32
ERB149I	8	ERB269I	32
ERB150I	8	ERB270I	32
ERB200I	8	ERB271I	33
ERB201I	9	ERB272I	33
ERB202I	9	ERB273I	33
ERB203I	9	ERB274I	33
ERB204I	10	ERB276I	34
ERB205I	10	ERB277I	34
ERB206I	10	ERB278I	34
ERB207I	11	ERB279I	35
ERB208I	11	ERB280I	35
ERB210I	11	ERB281I	35
ERB211I	11	ERB282I	36
ERB212I	11	ERB283I	36
ERB216I	12	ERB286I	36
ERB217I	12	ERB287I	36
ERB218I	12	ERB288I	37
ERB219I	13	ERB289I	37
ERB220I	13	ERB290I	38
ERB221I	13	ERB291I	38
ERB222I	14	ERB292I	39
ERB223I	14	ERB294I	39
ERB224I	15	ERB296I	39
ERB225I	16	ERB297I	39
ERB226I	16	ERB298I	40
ERB227I	17	ERB299I	40
ERB229I	17	ERB300I	40
ERB230I	17	ERB301I	41
ERB231I	18	ERB302I	42
ERB232I	18	ERB304I	42
ERB233I	18	ERB305I	43
ERB234I	18	ERB306D	44
ERB235A	19	ERB307I	44
ERB236I	19	ERB308I	45
ERB237I	20	ERB309I	45
ERB238I	20	ERB310I	45
ERB239I	21	ERB311I	46
ERB240I	21	ERB312I	47
ERB241I	21	ERB313I	47
ERB242I	22	ERB314I	47
ERB243I	22	ERB315I	48
ERB244I	22	ERB316I	48
ERB245I	23	ERB317I	49
ERB246I	23	ERB318I	49
ERB247I	23	ERB319I	49
ERB248I	24	ERB320I	50
ERB250I	24	ERB321I	50
ERB251I	24	ERB322I	51
ERB252I	25	ERB324I	51
ERB253I	25	ERB325I	51
ERB254I	26	ERB326I	52
ERB255I	26	ERB327I	52
ERB256I	26	ERB328I	53
ERB257I	27	ERB330I	53
ERB258I	27	ERB400I	53
ERB259I	28	ERB401I	54
ERB260I	28	ERB402I	54
ERB261I	28	ERB403I	54
ERB263I	29	ERB404I	55
ERB264I	29	ERB405I	55
ERB265I	29	ERB406I	55
ERB266I	31	ERB407I	56
ERB267I	31	ERB408I	56

ERB409I [57](#)
ERB410I [57](#)
ERB411I [58](#)
ERB412I [58](#)
ERB413I [58](#)
ERB425I [58](#)
ERB426I [59](#)
ERB427I [59](#)
ERB428E [60](#)
ERB429I [60](#)
ERB430I [60](#)
ERB431I [61](#)
ERB432I [61](#)
ERB433I [62](#)
ERB434I [62](#)
ERB437I [62](#)
ERB438I [63](#)
ERB439I [63](#)
ERB450I [63](#)
ERB451I [64](#)
ERB452I [64](#)
ERB453I [64](#)
ERB454I [64](#)
ERB455I [64](#)
ERB456I [65](#)
ERB457I [65](#)
ERB458I [65](#)
ERB459I [66](#)
ERB460I [66](#)
ERB461I [66](#)
ERB462I [67](#)
ERB463I [67](#)
ERB464I [68](#)
ERB465I [69](#)
ERB466I [69](#)
ERB467I [69](#)
ERB468I [71](#)
ERB469I [71](#)
ERB470I [71](#)
ERB471I [71](#)
ERB472I [72](#)
ERB473I [72](#)
ERB474I [72](#)
ERB475I [73](#)
ERB476I [73](#)
ERB477I [73](#)
ERB478I [74](#)
ERB479I [74](#)
ERB480I [74](#)
ERB481I [74](#)
ERB482I [75](#)
ERB483I [75](#)
ERB484I [75](#)
ERB485I [76](#)
ERB486I [76](#)
ERB487I [76](#)
ERB488I [77](#)
ERB489I [78](#)
ERB490I [78](#)
ERB500I [78](#)
ERB501I [78](#)
ERB502I [79](#)
ERB503I [79](#)
ERB504I [79](#)

ERB505I [80](#)
ERB506I [80](#)
ERB507I [81](#)
ERB508I [81](#)
ERB509I [81](#)
ERB510I [81](#)
ERB511I [81](#)
ERB512I [82](#)
ERB513I [82](#)
ERB514I [82](#)
ERB515I [82](#)
ERB516I [82](#)
ERB517I [83](#)
ERB518I [83](#)
ERB519I [83](#)
ERB520I [84](#)
ERB521I [84](#)
ERB522I [84](#)
ERB523I [84](#)
ERB524I [85](#)
ERB525I [85](#)
ERB526I [85](#)
ERB528I [86](#)
ERB529I [86](#)
ERB530I [86](#)
ERB531I [86](#)
ERB532I [87](#)
ERB533I [87](#)
ERB534I [87](#)
ERB535I [87](#)
ERB539I [88](#)
ERB540I [88](#)
ERB541I [88](#)
ERB542I [89](#)
ERB543I [89](#)
ERB545I [89](#)
ERB546I [89](#)
ERB547I [90](#)
ERB548I [90](#)
ERB549I [90](#)
ERB550I [90](#)
ERB551I [91](#)
ERB552I [91](#)
ERB553I [91](#)
ERB554I [91](#)
ERB555I [92](#)
ERB556I [92](#)
ERB557I [92](#)
ERB558I [92](#)
ERB559I [93](#)
ERB560I [93](#)
ERB561I [93](#)
ERB562I [93](#)
ERB563I [94](#)
ERB564I [94](#)
ERB565I [94](#)
ERB566I [95](#)
ERB567I [95](#)
ERB568I [95](#)
ERB569I [95](#)
ERB570I [96](#)
ERB571I [96](#)
ERB572I [96](#)
ERB573I [96](#)

ERB574I	96	ERB645I	114
ERB575I	97	ERB646I	115
ERB576I	97	ERB647I	115
ERB577I	97	ERB648I	115
ERB578I	97	ERB649I	115
ERB579I	98	ERB650I	116
ERB580I	98	ERB651I	116
ERB581I	98	ERB652I	116
ERB582I	98	ERB653I	117
ERB583I	98	ERB654I	117
ERB584I	99	ERB656I	117
ERB585I	99	ERB657I	117
ERB586I	99	ERB658I	118
ERB587I	99	ERB659I	118
ERB588I	100	ERB660I	118
ERB589I	100	ERB661I	119
ERB590I	100	ERB662I	119
ERB591I	101	ERB663I	119
ERB593I	101	ERB664I	120
ERB594I	101	ERB665I	120
ERB595I	101	ERB666I	120
ERB596I	102	ERB667I	120
ERB597I	102	ERB668I	121
ERB599I	102	ERB669I	121
ERB601I	103	ERB670I	121
ERB602I	103	ERB671I	122
ERB603I	103	ERB672I	122
ERB604I	104	ERB673I	122
ERB605I	104	ERB674I	123
ERB606I	104	ERB675I	123
ERB607I	104	ERB676I	124
ERB608I	105	ERB678I	124
ERB609I	105	ERB679I	125
ERB610I	105	ERB680I	125
ERB611I	105	ERB681I	125
ERB615I	106	ERB682I	125
ERB616I	106	ERB683I	126
ERB617I	106	ERB684I	126
ERB618I	107	ERB686I	126
ERB619I	107	ERB687I	127
ERB620I	108	ERB688I	127
ERB621I	108	ERB689I	127
ERB622I	108	ERB690I	127
ERB623I	108	ERB691I	128
ERB624I	109	ERB692I	128
ERB625I	109	ERB693I	129
ERB626I	109	ERB694I	129
ERB627I	109	ERB695I	129
ERB628I	110	ERB700I	129
ERB629I	110	ERB701I	129
ERB630I	110	ERB702I	130
ERB631I	111	ERB704I	130
ERB632I	111	ERB705I	130
ERB633I	111	ERB706I	130
ERB634I	111	ERB707I	131
ERB635I	112	ERB708I	131
ERB636I	112	ERB709I	131
ERB637I	112	ERB711I	131
ERB638I	113	ERB712I	131
ERB640I	113	ERB713I	132
ERB641I	113	ERB714I	132
ERB642I	113	ERB715I	132
ERB643I	114	ERB716I	133
ERB644I	114	ERB717I	133

ERB720I [133](#)
ERB721I [133](#)
ERB722I [134](#)
ERB723I [134](#)
ERB724I [134](#)
ERB726I [134](#)
ERB727I [135](#)
ERB728I [135](#)
ERB729I [135](#)
ERB730I [135](#)
ERB731I [136](#)
ERB732I [136](#)
ERB733I [136](#)
ERB734I [136](#)
ERB735I [136](#)
ERB736I [137](#)
ERB737I [137](#)
ERB738I [137](#)
ERB739I [137](#)
ERB740I [137](#)
ERB741I [137](#)
ERB742I [138](#)
ERB743I [138](#)
ERB744I [138](#)
ERB745I [138](#)
ERB746I [138](#)
ERB750I [139](#)
ERB751I [139](#)
ERB752I [139](#)
ERB753I [140](#)
ERB754I [140](#)
ERB755I [140](#)
ERB756I [141](#)
ERB757I [141](#)
ERB758I [141](#)
ERB759I [141](#)
ERB760I [142](#)
ERB761I [142](#)
ERB762I [143](#)
ERB763I [143](#)
ERB764I [143](#)
ERB765I [144](#)
ERB766I [144](#)
ERB767I [144](#)
ERB768I [145](#)
ERB769I [145](#)
ERB770I [145](#)
ERB771I [146](#)
ERB772I [146](#)
ERB773I [146](#)
ERB774I [147](#)
ERB775I [147](#)
ERB777I [147](#)
ERB778I [147](#)
ERB779I [148](#)
ERB780I [148](#)
ERB781I [148](#)
ERB782I [148](#)
ERB783I [149](#)
ERB784I [149](#)
ERB785I [149](#)
ERB786I [150](#)
ERB787I [150](#)
ERB790I [150](#)

ERB792I [151](#)
ERB793I [151](#)
ERB794I [151](#)
ERB796I [151](#)
ERB797I [152](#)
ERB802I [152](#)
ERB803I [152](#)
ERB806I [153](#)
ERB807I [153](#)
ERB810I [153](#)
ERB811I [154](#)
ERB812I [154](#)
ERB813I [154](#)
ERB816I [154](#)
ERB818I [155](#)
ERB819I [155](#)
ERB820I [155](#)
ERB821I [156](#)
ERB822I [156](#)
ERB823I [156](#)
ERB824I [157](#)
ERB825I [157](#)
ERB826I [157](#)
ERB827I [157](#)
ERB830I [158](#)
ERB831I [158](#)
ERB832I [158](#)
ERB833I [158](#)
ERB834I [159](#)
ERB835I [159](#)
ERB836I [159](#)
ERB837I [159](#)
ERB838I [160](#)
ERB839I [160](#)
ERB840I [160](#)
ERB841I [161](#)
ERB844I [161](#)
ERB845I [162](#)
ERB846I [162](#)
ERB847I [162](#)
ERB853E [163](#)
ERB858I [163](#)
ERB860I [163](#)
ERB861I [164](#)
ERB862I [164](#)
ERB864I [164](#)
ERB865I [164](#)
ERB866I [165](#)
ERB867I [165](#)
ERB868I [165](#)
ERB869I [166](#)
ERB870I [166](#)
ERB871I [166](#)
ERB872I [167](#)
ERB873I [167](#)
ERB874I [167](#)
ERB875I [167](#)
ERB876I [168](#)
ERB877I [168](#)
ERB878I [168](#)
ERB879I [168](#)
ERB880I [169](#)
ERB881I [169](#)
ERB882I [169](#)

ERB883I [169](#)
ERB884I [170](#)
ERB885I [170](#)
ERB886I [170](#)
ERB887I [170](#)
ERB888I [171](#)
ERB889I [171](#)
ERB890I [171](#)
ERB891I [172](#)
ERB892I [172](#)
ERB893I [172](#)
ERB894I [172](#)
ERB895I [173](#)
ERB896I [173](#)
ERB897I [173](#)
ERB898I [174](#)
ERB9000A [265](#)
ERB9001A [265](#)
ERB9003A [265](#)
ERB9008A [265](#)
ERB9009A [265](#)
ERB900I [174](#)
ERB9010A [266](#)
ERB901I [174](#)
ERB902I [174](#)
ERB903I [175](#)
ERB904I [175](#)
ERB905I [175](#)
ERB9060A [266](#)
ERB9061A [266](#)
ERB9065A [266](#)
ERB906I [175](#)
ERB907I [176](#)
ERB9080A [267](#)
ERB9081A [267](#)
ERB9082A [267](#)
ERB9083A [267](#)
ERB9084A [268](#)
ERB9085A [268](#)
ERB9086A [268](#)
ERB9087A [269](#)
ERB908I [176](#)
ERB909I [176](#)
ERB9100A [269](#)
ERB9101A [269](#)
ERB9102A [269](#)
ERB9103A [270](#)
ERB9112A [270](#)
ERB9113A [270](#)
ERB9114A [270](#)
ERB911I [177](#)
ERB912I [177](#)
ERB920I [177](#)
ERB921I [178](#)
ERB922I [178](#)
ERB923I [178](#)
ERB924I [178](#)
ERB925I [179](#)
ERB926I [179](#)
ERB930I [179](#)
ERB931I [179](#)
ERB932I [180](#)
ERB933I [180](#)
ERB934I [181](#)

ERB935I [181](#)
ERB940I [181](#)
ERB941I [182](#)
ERB942I [182](#)
ERB943I [182](#)
ERB944I [182](#)
ERB945I [183](#)
ERB946I [183](#)
ERB947I [183](#)
ERB948I [184](#)
ERB949I [184](#)
ERB950I [184](#)
ERB9511I [184](#)
ERB952I [185](#)
ERB953I [185](#)
ERB954I [185](#)
ERB955I [186](#)
ERB999I [186](#)
ERBA000I [186](#)
ERBA001I [186](#)
ERBA002I [187](#)
ERBA003I [187](#)
ERBA004I [187](#)
ERBA006I [187](#)
ERBA007I [188](#)
ERBA008I [188](#)
ERBA009I [188](#)
ERBA010I [189](#)
ERBA011I [189](#)
ERBA012I [189](#)
ERBA013I [189](#)
ERBA014I [190](#)
ERBA015I [190](#)
ERBA016I [190](#)
ERBA017I [190](#)
ERBA018I [191](#)
ERBA020I [191](#)
ERBA021I [191](#)
ERBA022I [192](#)
ERBA023I [192](#)
ERBA024I [192](#)
ERBA025I [192](#)
ERBA026I [193](#)
ERBA027I [193](#)
ERBA028I [193](#)
ERBA029I [193](#)
ERBA030I [194](#)
ERBA033I [194](#)
ERBA038I [194](#)
ERBA039I [194](#)
ERBA040I [195](#)
ERBA041I [195](#)
ERBA042I [195](#)
ERBA043I [195](#)
ERBA045I [196](#)
ERBA046I [196](#)
ERBA047I [196](#)
ERBA048I [196](#)
ERBA049I [196](#)
ERBA050I [197](#)
ERBA052I [197](#)
ERBA053I [197](#)
ERBA054I [197](#)
ERBA055I [198](#)

[ERBA056I 198](#)
[ERBA057I 198](#)
[ERBA058I 199](#)
[ERBA059I 199](#)
[ERBA060I 199](#)
[ERBA061I 200](#)
[ERBA062I 200](#)
[ERBA063I 200](#)
[ERBA064I 201](#)
[ERBA065I 201](#)
[ERBA066I 201](#)
[ERBA067I 202](#)
[ERBA069I 202](#)
[ERBA070I 202](#)
[ERBA075I 202](#)
[ERBA076I 203](#)
[ERBA077I 203](#)
[ERBA078I 203](#)
[ERBA079I 203](#)
[ERBA080I 204](#)
[ERBA081I 204](#)
[ERBA082I 204](#)
[ERBA083I 205](#)
[ERBA084I 205](#)
[ERBA085I 205](#)
[ERBA086I 205](#)
[ERBA087I 206](#)
[ERBA088I 206](#)
[ERBA090I 206](#)
[ERBA092I 207](#)
[ERBB100I 207](#)
[ERBB101I 207](#)
[ERBB102I 207](#)
[ERBB105I 208](#)
[ERBB106I 208](#)
[ERBB107I 208](#)
[ERBB108I 209](#)
[ERBB109I 209](#)
[ERBB110I 209](#)
[ERBB111I 209](#)
[ERBB112I 210](#)
[ERBB113I 210](#)
[ERBB114I 210](#)
[ERBB115I 210](#)
[ERBB116I 211](#)
[ERBB117I 211](#)
[ERBB118I 212](#)
[ERBB119I 212](#)
[ERBB120I 212](#)
[ERBB121I 212](#)
[ERBB122I 213](#)
[ERBB123I 213](#)
[ERBB124I 213](#)

F

[feedback vii](#)

G

[GPM0111I 229](#)
[GPM0112I 230](#)
[GPM0113I 230](#)

[GPM0114I 230](#)
[GPM0115I 230](#)
[GPM0122I 231](#)
[GPM0133I 231](#)
[GPM0141I 231](#)
[GPM0142I 231](#)
[GPM0143I 232](#)
[GPM0144I 232](#)
[GPM0146I 232](#)
[GPM0147I 232](#)
[GPM0148I 232](#)
[GPM0161I 232](#)
[GPM0401I 233](#)
[GPM0402I 233](#)
[GPM0403I 233](#)
[GPM0404I 233](#)
[GPM0405I 234](#)
[GPM0406I 234](#)
[GPM0407I 234](#)
[GPM0451I 234](#)
[GPM0452I 235](#)
[GPM0453I 235](#)
[GPM0454I 235](#)
[GPM0455I 236](#)
[GPM0456I 236](#)
[GPM0500I 236](#)
[GPM0501I 236](#)
[GPM0502I 237](#)
[GPM0504I 237](#)
[GPM0505I 237](#)
[GPM0506I 237](#)
[GPM0507I 238](#)
[GPM0509I 238](#)
[GPM050I 215](#)
[GPM0511I 238](#)
[GPM0512I 239](#)
[GPM051I 215](#)
[GPM052I 216](#)
[GPM0551I 239](#)
[GPM0552I 239](#)
[GPM0553I 239](#)
[GPM0554I 239](#)
[GPM0555I 240](#)
[GPM056I 216](#)
[GPM057I 216](#)
[GPM058I 216](#)
[GPM059I 217](#)
[GPM0600I 240](#)
[GPM0601I 240](#)
[GPM0602I 240](#)
[GPM0603I 241](#)
[GPM0604I 241](#)
[GPM0605I 241](#)
[GPM0606I 241](#)
[GPM0607I 242](#)
[GPM060I 217](#)
[GPM0612I 242](#)
[GPM0615I 242](#)
[GPM0617I 242](#)
[GPM0619I 243](#)
[GPM061I 217](#)
[GPM0620I 243](#)
[GPM0621I 243](#)
[GPM0622I 244](#)

[GPM0624I 244](#)
[GPM0625I 244](#)
[GPM0626I 244](#)
[GPM0627I 245](#)
[GPM0628I 245](#)
[GPM062I 217](#)
[GPM0630I 245](#)
[GPM0631I 246](#)
[GPM0632I 246](#)
[GPM0633I 246](#)
[GPM0634I 247](#)
[GPM0635I 247](#)
[GPM063I 218](#)
[GPM064I 218](#)
[GPM066I 219](#)
[GPM067I 219](#)
[GPM068I 219](#)
[GPM069S 219](#)
[GPM0700I 247](#)
[GPM0702I 247](#)
[GPM0704I 248](#)
[GPM0705I 248](#)
[GPM0706I 248](#)
[GPM0709I 249](#)
[GPM070S 220](#)
[GPM0710I 249](#)
[GPM0711I 249](#)
[GPM0712I 250](#)
[GPM0713I 250](#)
[GPM0714I 250](#)
[GPM0715I 250](#)
[GPM0716I 251](#)
[GPM0717I 251](#)
[GPM0718I 251](#)
[GPM0719I 252](#)
[GPM071S 220](#)
[GPM0720I 252](#)
[GPM0721I 252](#)
[GPM072I 220](#)
[GPM0730I 252](#)
[GPM0731I 253](#)
[GPM0732I 253](#)
[GPM0737I 253](#)
[GPM0738I 254](#)
[GPM0739E 254](#)
[GPM073I 221](#)
[GPM0740E 254](#)
[GPM0741E 254](#)
[GPM0742E 255](#)
[GPM0743E 255](#)
[GPM0744E 255](#)
[GPM0745E 255](#)
[GPM0746E 256](#)
[GPM0747E 256](#)
[GPM0748W 256](#)
[GPM0749E 256](#)
[GPM074I 221](#)
[GPM075I 221](#)
[GPM076I 221](#)
[GPM077I 222](#)
[GPM078I 222](#)
[GPM079I 222](#)
[GPM0801I 257](#)
[GPM0802I 257](#)

[GPM0804I 257](#)
[GPM0805I 257](#)
[GPM0806I 258](#)
[GPM0807I 258](#)
[GPM0809I 258](#)
[GPM0810I 258](#)
[GPM0811I 259](#)
[GPM0812I 259](#)
[GPM0813I 259](#)
[GPM0814I 259](#)
[GPM083E 222](#)
[GPM0901I 260](#)
[GPM0902I 260](#)
[GPM0903I 260](#)
[GPM0904I 260](#)
[GPM1001E 261](#)
[GPM1002E 261](#)
[GPM1003E 261](#)
[GPM1004E 261](#)
[GPM1005E 262](#)
[GPM1006E 262](#)
[GPM1007I 262](#)
[GPM1008I 262](#)
[GPM250I 223](#)
[GPM251I 223](#)
[GPM252I 223](#)
[GPM253I 223](#)
[GPM256I 224](#)
[GPM257I 224](#)
[GPM258I 224](#)
[GPM259I 225](#)
[GPM260I 225](#)
[GPM261I 225](#)
[GPM262I 225](#)
[GPM266I 226](#)
[GPM267I 226](#)
[GPM268I 226](#)
[GPM269S 226](#)
[GPM271S 227](#)
[GPM273I 227](#)
[GPM274I 227](#)
[GPM275I 228](#)
[GPM276I 228](#)
[GPM278I 228](#)
[GPM279I 228](#)
[GPM280I 228](#)
[GPM281E 229](#)
[GPM283E 229](#)
[GPMH1001I 273](#)
[GPMH1002I 273](#)
[GPMH1003E 273](#)
[GPMH1004I 273](#)
[GPMH1005E 274](#)

I

[identifying problems 295](#)
[incorrect output](#)
 [checklist for reporting 307](#)
 [diagnostic procedure for 300](#)

K

keyboard
 navigation [309](#)
 PF keys [309](#)
 shortcut keys [309](#)

M

message with CEE/EDC prefix
 checklist for reporting [306](#)
 diagnostic procedure for [299](#)
message with ERB prefix
 diagnostic procedure for [299](#)
Monitor II
 obtaining a dump from [303](#)
Monitor III
 obtaining a dump from [303](#)

N

navigation
 keyboard [309](#)

P

problem reporting data base [303](#)
problem types
 abend 0D5 [295](#)
 abend 0FE [295](#)
 checklist for [304](#)
 documentation error [295](#)
 empty Monitor III JES delays report [295](#)
 incorrect output [295](#)
 message with CEE/EDC prefix [295](#)
 message with ERB prefix [295](#)
 reporting to IBM [304](#)
 symptoms for [295](#)
 unexpected abend [295](#)
 user completion codes [295](#)

R

RMF
 message changes
 for z/OS V2R4 [x](#)
 for z/OS V2R5 [ix](#)
 messages, changed [xi](#)
 messages, new [xi](#)
 messages, no longer issued [xii](#)

S

search argument
 summary of symptoms [303](#)
sending to IBM
 reader comments [vii](#)
shortcut keys [309](#)
symptoms
 for identifying problem type [295](#)
 in a search argument [303](#)

T

trademarks [316](#)

U

unexpected abend
 checklist for reporting [305](#)
 diagnostic procedure for [298](#)
user interface
 ISPF [309](#)
 TSO/E [309](#)

Z

z/OS Resource Measurement Facility Messages and Codes
 messages, changed [ix](#)
 messages, new [ix](#)
 messages, no longer issued [x](#)
z/OS RMF Messages and Codes
 messages, changed [xi](#)
 messages, new [xi](#)
 messages, no longer issued [xi](#)



Product Number: 5650-ZOS

SC34-2666-50

