Backup and Recovery Products for DB2 Messages Manual

Supporting

Version 10.1.00 of Administrative Assistant for DB2
Version 2.3.01 of BMCSORT
Version 10.1.00 of COPY PLUS for DB2
Version 10.1.00 of Database Administration for DB2
Version 10.1.00 of DB2 Component Services
Version 10.1.00 of High-speed Apply Engine for DB2
Version 10.1.00 of Log Master for DB2
Version 10.1.00 of PACLOG for DB2
Version 10.1.00 of R+/CHANGE ACCUM for DB2
Version 10.1.00 of RECOVER PLUS for DB2
Version 10.1.00 of Recovery Management for DB2
Version 10.1.00 of RECOVERY MANAGER for DB2
Version 5.6.00 of SNAPSHOT UPGRADE FEATURE for DB2

April 2011
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United States and Canada

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<tr>
<th>Address</th>
<th>Telephone</th>
<th>Fax</th>
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<tr>
<td>BMC SOFTWARE INC</td>
<td>1 713 918 8800</td>
<td>1 713 918 8000</td>
</tr>
<tr>
<td>2101 CITYWEST BLVD</td>
<td>or</td>
<td>1 800 841 2031</td>
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<tr>
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Outside United States and Canada

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Support website
You can obtain technical support from BMC 24 hours a day, 7 days a week at http://www.bmc.com/support. From this website, you can

- read overviews about support services and programs that BMC offers
- find the most current information about BMC products
- search a database for problems similar to yours and possible solutions
- order or download product documentation
- download products and maintenance
- report a problem or ask a question
- subscribe to receive proactive e-mail alerts
- find worldwide BMC support center locations and contact information, including e-mail addresses, fax numbers, and telephone numbers

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In the United States and Canada, if you need technical support and do not have access to the web, call 800 537 1813 or send an e-mail message to customer_support@bmc.com. (In the subject line, enter SupID:yourSupportContractID, such as SupID:12345). Outside the United States and Canada, contact your local support center for assistance.

Before contacting BMC
Have the following information available so that Customer Support can begin working on your issue immediately:

- product information
  - product name
  - product version (release number)
  - license number and password (trial or permanent)
- operating system and environment information
  - machine type
  - operating system type, version, and service pack or other maintenance level such as PUT or PTF
  - system hardware configuration
  - serial numbers
  - related software (database, application, and communication) including type, version, and service pack or maintenance level
- sequence of events leading to the problem
- commands and options that you used
- messages received (and the time and date that you received them)
  - product error messages
  - messages from the operating system, such as file system full
  - messages from related software
License key and password information

If you have questions about your license key or password, use one of the following methods to get assistance:

- Send an e-mail to customer_support@bmc.com.
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Introduction to Backup and Recovery products for DB2 messages

This chapter provides an overview to help you interpret message information, describes how to obtain message information online, and describes codes that you might receive.

Products covered

The messages in this book are generated by the following BMC products and components:

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Most BMC messages consist of a message identifier followed by message text.

**Message identifier**

Message identifiers can include a prefix, a message number, and a severity indicator, or some combination of them:

- The prefix `BMC` clarifies that a BMC product or component issued the message. Any other prefix identifies the product or component that issued the message.
- The number uniquely identifies the message.
- The severity indicator tells you the seriousness of the reported situation and whether action is required.

In the following sample, `BMC` is the prefix, and the message reports a standard error:

`BMC50036E NOT APF AUTHORIZED`

**DBC message format**

DBC and its components issue messages in a standard format.

`BMCDBC messageId severity hh.mm.ss ssid messageText`

The components of the message indicate the following values:

- The `BMCDBC` prefix indicates that the message is associated with DBC.
- The variable `messageId` represents the numeric message number.
- The variable `severity` represents the severity level of the message: I (informational), W (warning), E (error) or S (severe).

- The variable `hh.mm.ss` represents the timestamp.

- The variable `ssid` represents the DBC subsystem ID, or blanks if the message was issued before the ID was known.

- The variable `messageText` represents the text of the message.

Some messages are sent to the console, and to either DBCPRINT or a dynamically allocated print file.

**Backup and Recovery products for DB2 severity indicators**

Message identifiers for these products can end with any of the following severity indicators.

**Note**

In this manual, the message severity indicators given in the message descriptions are the default severity indicators. Depending on the processing taking place, some products override the default severity indicator at execution time.

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<td>A (action)</td>
<td>The message indicates that you must take some action for processing to continue. The message text indicates the options that are available. This type of message is used only by the High-speed Apply Engine.</td>
</tr>
<tr>
<td>E (error)</td>
<td>An error occurred, such as a command error or JCL specification error, that requires your attention. Results in a return code of 8. For RECOVER PLUS, if a message is produced with a severity of E or S, the product may execute error recovery. This error recovery, if successful, may cause the final return code to be lower than would normally be expected. (For example, a message with a severity of S would have a return code of 0.)</td>
</tr>
<tr>
<td>I (information)</td>
<td>The purpose of the message is to provide information only. No action is required and no error occurred. This type of message results in a return code of 0.</td>
</tr>
<tr>
<td>R (respond)</td>
<td>You must respond to the message before processing can continue. This type of message is used only by the High-speed Apply Engine.</td>
</tr>
<tr>
<td>Indicator</td>
<td>Meaning</td>
</tr>
<tr>
<td>-------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>S (severe error)</td>
<td>The utility encountered an unexpected processing error that causes the utility to execute unsuccessfully. This type of message results in a return code of 12. For RECOVER PLUS, if a message is produced with a severity of E or S, the product may execute error recovery. This error recovery, if successful, may cause the final return code to be lower than would normally be expected. (For example, a message with a severity of S would have a return code of 0.)</td>
</tr>
<tr>
<td>U (unrecoverable error)</td>
<td>The software cannot continue processing (as when an abend occurs). For COPY PLUS, U indicates a user-defined error. The utility encountered a condition in which the severity is user-defined. This type of message applies to page checking errors where the severity is determined by the CHECKERROR option.</td>
</tr>
<tr>
<td>W (warning)</td>
<td>The software continues processing, but you need to investigate the reported issue. This type of message results in a return code of 4.</td>
</tr>
</tbody>
</table>

**BMCSORT severity indicators**

Message identifiers for this component can end with any of the following severity indicators:

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (action)</td>
<td>The software encountered a critical error but terminates in an orderly fashion. You must take some corrective action.</td>
</tr>
<tr>
<td>B (tuning)</td>
<td>The software continues processing, but you can use the information that is provided to tune future jobs.</td>
</tr>
<tr>
<td>C or I (information)</td>
<td>The purpose of the message is to provide information only. No action is required.</td>
</tr>
</tbody>
</table>

**Message text**

The following considerations apply to the message text of the Backup and Recovery products for DB2 messages.

**Message conventions**

The following special conventions are used in message entries, as needed, to approximate the message text that you receive:
A data type mismatch occurred in column columnNumber. The variable columnNumber represents the number that you see when you receive this message.

DISPLAY TYPE type FOR reportListType [sysdata] NOT FOUND The message that you receive might omit the sysdata value.

{PLAN ¦ PACKAGE} objectName MAY REQUIRE CHANGES TO SQL TEXT The message that you receive will contain one of the enclosed values.

Alternatives for accessing message descriptions

You can use any of the following methods to view messages for the Backup and Recovery products for DB2 online:

- View this book online as a PDF or HTML file. To view, print, or copy PDF books, use the free Adobe Reader from Adobe Systems. If your product installation does not install the reader, you can obtain the reader at http://www.adobe.com.

- Look up message numbers in the Chicago-Soft MVS/QuickRef product. You must have MVS/QuickRef installed on your system.

High-speed Apply Engine message information

High-speed Apply Enigine messages have a few unique characteristics.

The High-speed Apply engine uses the prefix BMCAPT for all messages it issues and uses the same prefix regardless of whether the message is issued by either of the following:

- a version of High-speed Apply that runs against DB2 on mainframe operating systems
- a version of High-speed Apply that runs on distributed systems (DB2 UDB for UNIX and Windows, and Oracle for UNIX and Windows)
Most messages that High-speed Apply issues are the same regardless of the DBMS or operating system platform. The text of these messages, message explanations, and user responses do not vary.

If a message is specific to a DBMS or platform, that information is noted in the message description.

Some High-speed Apply Engine messages include a variable called a statement ID. Use the statement ID to determine which portion of input the error message refers to. You can use the statement ID to find the error in the original input file or in the conflict file (depending on the Action parameters specified in your conflict resolution files).

The following table shows how the content of the statement ID depends on the input type (SQL or logical log) and the distribution type of work between agents (by Object or by UR) of the apply request.

### Table 1: Statement ID by input type and distribution of work

<table>
<thead>
<tr>
<th>Distribution type of object</th>
<th>Distribution type of UR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input type SQL</strong></td>
<td><strong>Input type Logical Log</strong></td>
</tr>
<tr>
<td>line number of the beginning of the SQL statement in the input SQL file (If the SQL statements are included &quot;in stream&quot; in the batch JCL, the line number is relative to the beginning of the SYSIN definition in the input stream.)</td>
<td>line number of the beginning of the SQL statement in the input SQL file (If the SQL statements are included &quot;in stream&quot; in the batch JCL, the line number is relative to the beginning of the SYSIN definition in the input stream.)</td>
</tr>
<tr>
<td>16-character string containing * ORDERVALUE field of the logical log record</td>
<td>28-character string containing * URIDCOMMITLRSN field of the logical log record</td>
</tr>
<tr>
<td>row number from the ROWID field</td>
<td>FALL-URID-ordered record number (valued only when logical log contains DDL objects)</td>
</tr>
<tr>
<td>two-character sequence number (valued only when logical log contains DDL objects)</td>
<td>two-character sequence number (valued only when logical log contains DDL objects)</td>
</tr>
<tr>
<td>16-character string containing *</td>
<td>For a list of fields of the logical log record, look for information on logical logs in the Log Master for DB2 Reference Manual.</td>
</tr>
</tbody>
</table>

For a list of fields of the logical log record, look for information on logical logs in the Log Master for DB2 Reference Manual.
The statement ID string contains this content when the value of the SQLType parameter is Redo or Migrate. When SQLType is Undo, perform an exclusive OR operation on the statement ID string to obtain value content.

**RECOVER PLUS output files**

The RECOVER PLUS for DB2 product has number of output files.

The message level utility parameter (MSGLEVEL) determines which output files and messages RECOVER PLUS returns. Valid values for MSGLEVEL are 0, 1, and 2. If you do not specify MSGLEVEL, RECOVER PLUS uses the default, MSGLEVEL(1). For examples of the different output files and their content, see the RECOVER PLUS for DB2 Reference Manual.

<table>
<thead>
<tr>
<th>Data set name</th>
<th>Required or optional</th>
<th>Dynamically allocated</th>
<th>MSGLEVEL value required a,b</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYSIN</td>
<td>required</td>
<td>no</td>
<td>not applicable</td>
<td>defines the input data set that contains the RECOVER PLUS commands and their options c</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>This data set must be fixed blocked (RECFM=FB) with a record length of 80 (LRECL=80). Columns 73-80 are reserved for sequence numbers; any characters in these columns are ignored by RECOVER PLUS. See the RECOVER PLUS Reference Manual for details of the RECOVER PLUS command and options that you can specify. Unicode is not supported in the SYSIN file. d</td>
</tr>
<tr>
<td>AFRPRINT</td>
<td>required</td>
<td>yes</td>
<td>0,1, or 2</td>
<td>provides execution message output</td>
</tr>
</tbody>
</table>

Chapter 1  Introduction to Backup and Recovery products for DB2 messages  15
<table>
<thead>
<tr>
<th>Data set name</th>
<th>Required or optional</th>
<th>Dynamically allocated</th>
<th>MSGLEVEL value required a,b</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFRSUMRY</td>
<td>required</td>
<td>yes</td>
<td>0,1, or 2</td>
<td>lists maintenance applied, phases completed, utility return codes</td>
</tr>
<tr>
<td>AFRSTMT</td>
<td>required</td>
<td>yes</td>
<td>0,1, or 2</td>
<td>lists input statements and options as specified in SYSIN, installation option values, and log file resources</td>
</tr>
<tr>
<td>AFROSUM e</td>
<td>optional, based on MSGLEVEL</td>
<td>yes</td>
<td>1 or 2</td>
<td>lists all of the objects being recovered or rebuilt and their status, options, and resources</td>
</tr>
<tr>
<td>AFRPLAN e</td>
<td>optional, based on MSGLEVEL</td>
<td>yes</td>
<td>2</td>
<td>records the execution plan</td>
</tr>
<tr>
<td>AFRERR</td>
<td>not applicable</td>
<td>yes</td>
<td>no applicable</td>
<td>records warnings or error messages with a return code greater than or equal to 4 (RC&gt;=4)</td>
</tr>
<tr>
<td>AFRTIME</td>
<td>optional</td>
<td>yes, if needed</td>
<td>not applicable</td>
<td>available only with the Recovery Management for DB2 solution for the recovery estimation feature, reports the ten table spaces for which the longest elapsed time was recovered to reach each table space and all of its indexes</td>
</tr>
<tr>
<td>AFRTRACE</td>
<td>not applicable</td>
<td>yes</td>
<td>not applicable</td>
<td>provides trace information when a return code greater than or equal to 8 (RC=&gt;8) occurs during plan execution</td>
</tr>
<tr>
<td>Data set name</td>
<td>Required or optional</td>
<td>Dynamically allocated</td>
<td>MSGLEVEL value required</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------</td>
<td>----------------------</td>
<td>-----------------------</td>
<td>-------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SYSERR or AFRDUMP</td>
<td>not applicable</td>
<td>yes</td>
<td>not applicable</td>
<td>captures snap dumps issued during error processing. If SYSERR is not coded in JCL, RECOVER PLUS looks for AFRDUMP. If both DD names are not coded, RECOVER PLUS will attempt to dynamically allocate SYSERR. BMC does not recommend the suppression of dump output because it is used as a troubleshooting aid.</td>
</tr>
</tbody>
</table>
| SYSOU*nnn             | required with BMCSORT, which is used by RECOVER PLUS | yes                   | not applicable          | used for BMCSORT message output. If this data set is not dynamically allocated, it is normally specified as SYSOUT=*.
<p>| SYSUDUMP              | not applicable       | yes                   | not applicable          | captures system abend dumps. Note: BMC recommends the use of SYSUDUMP as a troubleshooting aid. If SYSUDUMP is not in the JCL, it is dynamically allocated to SYSOUT. |
| SYSSCAN               | optional             | no                    | not applicable          | contains the output for the LOGSCAN command. If the SYSSCAN DD is not specified, the LOGSCAN output is in AFRPRINT. |</p>
<table>
<thead>
<tr>
<th>Data set name</th>
<th>Required or optional</th>
<th>Dynamically allocated</th>
<th>MSGLEVEL value required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFRGDG</td>
<td>optional</td>
<td>no</td>
<td>not applicable</td>
<td>used with dynamic allocation of output image copies to provide a GDG base if one does not exist. This data set contains the control cards needed to perform an IDCAMS DEFINE operation and the symbolic variable &amp;BASE. For more information, see the <em>RECOVER PLUS for DB2 Reference Manual</em>.</td>
</tr>
<tr>
<td>SYSPICK</td>
<td>optional</td>
<td>no</td>
<td>not applicable</td>
<td>lists all of the input tape and cartridge volumes that are allocated during recover including those implicated due to a need to recall archived data sets to disk before recovery. SYSPICK output consists of two reports. Both reports contain volume serial numbers, device types, data set names, and sequence numbers. One report orders the data by volume serial number and the other report orders data based on the order in which RECOVER PLUS uses the data sets.</td>
</tr>
<tr>
<td>Data set name</td>
<td>Required or optional</td>
<td>Dynamically allocated</td>
<td>MSGLEVEL value required</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>----------------------</td>
<td>-----------------------</td>
<td>-------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>AFRDBG</td>
<td>optional</td>
<td>no</td>
<td>not applicable</td>
<td>used to help with performance and problem diagnosis associated with Instant Snapshots, if you have EXTENDED BUFFER MANAGER (XBM) version 5.6 or later and you use Instant Snapshots for recovery</td>
</tr>
</tbody>
</table>

a The values shown are the required values of MSGLEVEL to produce the output file. The default value of MSGLEVEL is 1.

b When "not applicable" is shown, RECOVER PLUS produces the data set regardless of the value of MSGLEVEL. In some cases, the files are dynamically allocated and in other cases, they are not.

c For descriptions of RECOVER PLUS commands and options, see the RECOVER PLUS for DB2 Reference Manual.

d However, RECOVER PLUS can process spaces that contain tables, indexes, or stogroups with Unicode names. (Spaces cannot contain Unicode names.) RECOVER PLUS commands that use wild cards do not include objects that match the pattern but contain Unicode characters that are not translatable to EBCDIC in the wild card position. This is because SYSIN is EBCDIC and wild card processing is done in EBCDIC.

e RECOVER PLUS produces these data sets regardless of the value of MSGLEVEL when you specify OPTIONS ANALYZE ONLY>

**R+/CHANGE ACCUM interface messages**

R+/CHANGE ACCUM displays interface messages in a short form and a long form.

- The short form is a concise description that explains an action was processed or an error has occurred. You can display an expanded form of the same message by pressing F1.

- The long form of the message provides more detail to help you determine whether further action needs to be taken. Any accompanying messages that are displayed may also provide additions information about the initial message.
If you cannot resolve a problem after reviewing the long form of the message and any accompanying messages, contact BMC Customer Support. Be ready to provide the message number and the panel ID where the message occurred.
This section describes return codes and abend codes that you might receive.

## Codes

The following return codes indicate the completion status of a Backup and Recovery product for DB2 job.

**Note**

For RECOVER PLUS, if a return code is greater than zero, the product dynamically allocates an AFRERR DD statement. This file contains all warning and error messages.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>The utility executed successfully and issued no warnings or errors. A zero return code might also indicate that the system is waiting for you to respond to a message.</td>
</tr>
<tr>
<td>4</td>
<td>The utility executed successfully but issued warnings. You might need to take further action.</td>
</tr>
<tr>
<td>8</td>
<td>The utility executed unsuccessfully because of an error related to something that you specified in the utility command or in the JCL.</td>
</tr>
<tr>
<td>12</td>
<td>The utility executed unsuccessfully because of an error received from the system or DB2. These errors include DB2 Call Attachment Facility (CAF) errors, unexpected nonzero SQLCODEs, data set open errors, and data set allocation errors.</td>
</tr>
<tr>
<td>16</td>
<td>The utility executed unsuccessfully because an error occurred while trying to load a module. The utility might be incorrectly installed.</td>
</tr>
</tbody>
</table>
COPY PLUS abend codes

The COPY PLUS for DB2 product can issue the following abend codes.

COPY PLUS can abend or terminate with user ABEND code 800 if certain errors or conditions occur that the product does not expect. You can find the reason code in register 15 of the job log that contains the ABEND summary.

Table 2: ABEND 800 reason codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>COPY PLUS detected an internal media manager error. Collect your output and dump and contact BMC Customer Support.</td>
</tr>
<tr>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

COPY PLUS can abend or terminate with user ABEND code 3500 if certain errors or conditions occur that COPY PLUS does not expect. You can find the reason code in register 15 of the job log that contains the ABEND summary.

Table 3: ABEND 3500 reason codes

<table>
<thead>
<tr>
<th>Hexadecimal code</th>
<th>Decimal code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>1</td>
<td>COPY PLUS encountered an unrecoverable I/O error while using QSAM or BSAM. See the accompanying messages.</td>
</tr>
<tr>
<td>02</td>
<td>2</td>
<td>COPY PLUS detected an error in allocating storage. See the accompanying messages. You need to increase the amount of virtual storage available to COPY PLUS by increasing the value of the JCL REGION keyword. You may also need to decrease the value of NBRBUFS or the number of objects being copied. If this does not correct the problem, collect your output and dump and contact BMC Customer Support.</td>
</tr>
<tr>
<td>Hexadecimal code</td>
<td>Decimal code</td>
<td>Description</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------</td>
<td>-------------</td>
</tr>
<tr>
<td>03</td>
<td>3</td>
<td>COPY PLUS detected and error in determining table space status. Collect your output and dump and contact BMC Customer Support.</td>
</tr>
<tr>
<td>4D</td>
<td>77</td>
<td>COPY PLUS detected an internal entry point error. Collect your output and dump and contact BMC Customer Support.</td>
</tr>
<tr>
<td>4E</td>
<td>78</td>
<td>COPY PLUS detected an internal entry point error. Collect your output and dump and contact BMC Customer Support.</td>
</tr>
<tr>
<td>4F</td>
<td>79</td>
<td>COPY PLUS is unable to load a COPY PLUS module. Check that your steplib concatenation contains the complete COPY PLUS load library and resubmit your job. If you are unable to correct the problem, collect your output and dump and contact BMC Customer Support.</td>
</tr>
<tr>
<td>64</td>
<td>100</td>
<td>COPY PLUS terminated due to one of the following reasons:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- You terminated the job.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- A value of NEW or NEW/RESET was used for the restart parameter with the same utility ID on concurrent jobs. In this case the last job running will abend.</td>
</tr>
<tr>
<td>99</td>
<td>153</td>
<td>COPY PLUS encountered a buffer manager error. Collect your output and dump and contact BMC Customer Support. This reason code is also given when COPY PLUS detects that a SHRLEVEL CONCURRENT copy is being run at the same time that LOAD REPLACE is executing on a table space.</td>
</tr>
</tbody>
</table>
### General snapshot utility codes

To help you troubleshoot errors, XBM generates return and reason codes for the snapshot utility in SYSPRINT.

Table 4 on page 24 lists the codes.

#### Table 4: Snapshot reason and return codes

<table>
<thead>
<tr>
<th>Return code</th>
<th>Reason code</th>
<th>Description and user response</th>
</tr>
</thead>
<tbody>
<tr>
<td>08</td>
<td></td>
<td>Unrecognized component</td>
</tr>
<tr>
<td>12</td>
<td>1004</td>
<td>Snapshot facility not active. To correct this problem, define and activate a management set that contains a snapshot template and ensure that the management set is active before attempting to use a snapshot-enabled utility to process snapshots.</td>
</tr>
<tr>
<td>12</td>
<td>1008</td>
<td>Snapshot facility not found. A management set containing snapshot definitions is not currently active.</td>
</tr>
<tr>
<td>Return code</td>
<td>Reason code</td>
<td>Description and user response</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>12</td>
<td>1012</td>
<td>Snapshot internal error due to possible storage exhaustion in the XBM region. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>1016</td>
<td>Data set not registered for snapshot. An attempt to restart a data set for a snapshot job failed. The restart failed because the data set is not restartable or the data set has been terminated for snapshot processing.</td>
</tr>
<tr>
<td>12</td>
<td>1020</td>
<td>Component component Name is not active. Activate the named component and retry the attempted action.</td>
</tr>
<tr>
<td>12</td>
<td>1024</td>
<td>The snapshot component is not active. Start the component before attempting snapshot processing.</td>
</tr>
<tr>
<td>12</td>
<td>1032</td>
<td>Data set not registered for snapshot. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>1036</td>
<td>Data set already registered for snapshot. An attempt was made to begin snapshot processing of a data set that was already active in another snapshot job.</td>
</tr>
<tr>
<td>12</td>
<td>1040</td>
<td>Snapshot internal error. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>1044</td>
<td>Snapshot internal error due to possible storage exhaustion. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>1048</td>
<td>Component componentName not found. Check to make sure that the XBM version and the BMC utility version are compatible. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>1052</td>
<td>Data set not registered for snapshot for this job. Verify that the snapshot job completed successfully. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>1056</td>
<td>Snapshot not allowed in simulate mode. Simulate mode must be disabled before snapshot processing is initiated.</td>
</tr>
<tr>
<td>12</td>
<td>1060</td>
<td>Configuration changed during snapshot processing. Snapshot processing might not be successful.</td>
</tr>
<tr>
<td>12</td>
<td>1064</td>
<td>Snapshot processing not supported or currently disabled. Ensure the required components, such as the DB2 component, are authorized and active and that all hooks are enabled. Use the DISPLAY XBM command to ensure that the components are authorized and active. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>1068</td>
<td>Component componentName stopped during snapshot processing. The named component was forcibly stopped during the execution of the snapshot job. Consequently, the snapshot job might not be successful.</td>
</tr>
<tr>
<td>12</td>
<td>1072</td>
<td>No active configuration defined for use by snapshot processing. You must activate a configuration before a snapshot job can be initiated.</td>
</tr>
<tr>
<td>Return code</td>
<td>Reason code</td>
<td>Description and user response</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>12</td>
<td>1076</td>
<td>No cache defined for use by snapshot processing. You must activate a configuration with an appropriately specified cache before a snapshot job can be initiated.</td>
</tr>
<tr>
<td>12</td>
<td>1080</td>
<td>Data set is not cacheable by XBM. For information about the types of DB2 or IMS data sets that XBM supports, see the EXTENDED BUFFER MANAGER and SNAPSHOT UPGRADE FEATURE User Guide.</td>
</tr>
<tr>
<td>12</td>
<td>1084</td>
<td>Data set is not pending restart. The data set cannot be restarted because it is already active.</td>
</tr>
<tr>
<td>12</td>
<td>1088</td>
<td>Data set cannot be restarted on this XBM subsystem. Make sure the data set is being started on the correct XBM subsystem.</td>
</tr>
<tr>
<td>12</td>
<td>1092</td>
<td>Extended format data set not supported. XBM cannot cache extended format data sets.</td>
</tr>
<tr>
<td>12</td>
<td>1093</td>
<td>Snapshot internal error. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>1096</td>
<td>Snapshot-enabling hardware not available. The SSI component was stopped during a hardware snapshot, or XBM searched for supported intelligent storage devices but could not find any. Make sure the intelligent storage devices in use are supported by XBM.</td>
</tr>
<tr>
<td>12</td>
<td>1101</td>
<td>XBM detected an error situation in which a snapshot STOP request was being processed that had originated from the non-owning XBM subsystem. The snapshot STOP request was ignored.</td>
</tr>
<tr>
<td>12</td>
<td>1097</td>
<td>Data set name is invalid or migrated. Verify the data set name is valid and the data set has not been migrated. The data set name must be fully qualified.</td>
</tr>
<tr>
<td>12</td>
<td>1098</td>
<td>Snapshot application ended without performing STOP. XBM did not receive STOP notification from the snapshot utility. Check with the snapshot utility to determine whether the snapshot was successful. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>1099</td>
<td>Data set deleted. The data set was deleted while in restart pending mode. The snapshot cannot successfully complete without the data set.</td>
</tr>
<tr>
<td>12</td>
<td>1200</td>
<td>Data set not found in MVS catalog. Verify the data set name.</td>
</tr>
<tr>
<td>12</td>
<td>1204</td>
<td>Data set is VSAM and SHARE options are 3,3.</td>
</tr>
<tr>
<td>12</td>
<td>1300</td>
<td>Connect for preimage reading failed. This reason code signifies an access method error. The access method issues codes that provide information to help you troubleshoot the error. XBM publishes these codes in the job log.</td>
</tr>
<tr>
<td>Return code</td>
<td>Reason code</td>
<td>Description and user response</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>12</td>
<td>1304</td>
<td>Disconnect for preimage reading failed. This reason code signifies an access method error. The access method issues codes that provide information to help you troubleshoot the error. XBM publishes these codes in the job log.</td>
</tr>
<tr>
<td>12</td>
<td>1400</td>
<td>Incorrect IMS data set type. XBM supports only VSAM, OSAM, and FastPath IMS data sets.</td>
</tr>
<tr>
<td>12</td>
<td>1404</td>
<td>IMS utility lacks data sharing support. XBM declined the request from the IMS utility because that version of the utility does not support data sharing. Contact BMC to obtain a version of the IMS utility that supports data sharing.</td>
</tr>
<tr>
<td>12</td>
<td>1408</td>
<td>IMS utility lacks caching API support. XBM declined the request from the IMS utility because that version of the utility does not support the caching API. Contact BMC to obtain a version of the IMS utility that supports the caching API.</td>
</tr>
<tr>
<td>12</td>
<td>2016</td>
<td>Unable to read preimage due to internal error. Preserve any SVC dumps that result from this error and contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>2024</td>
<td>Snapshot internal error. Preserve any SVC dumps that result from this error and contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>2036</td>
<td>I/O error while reading preimage. First, check LOGREC for I/O errors. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>2040</td>
<td>Unrecognized I/O request. Preserve any SVC dumps that result from this error and contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>2044</td>
<td>Unable to obtain storage. XBM could not obtain storage for cache allocation because an insufficient amount of storage was available. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>2048</td>
<td>Snapshot cache read error. Preserve any SVC dumps that result from this error and contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>2052</td>
<td>Snapshot is not caching due to managed object definition. The cache type attribute is set to NONE on the snapshot template. Change this value to enable caching.</td>
</tr>
<tr>
<td>12</td>
<td>2056</td>
<td>Snapshot internal error. Preserve any SVC dumps that result from this error and contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>2060</td>
<td>Unsupported media manager option. Preserve any SVC dumps that result from this error and contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>2064</td>
<td>Abend occurred during snapshot processing. Check LOGREC and MVS console messages for possible information regarding the abend. Try restarting XBM and the snapshot job. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>2068</td>
<td>Read beyond high used relative byte address (RBA). Check your snapshot utility for possible errors. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>Return code</td>
<td>Reason code</td>
<td>Description and user response</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>12</td>
<td>2072</td>
<td>Preimage stolen from snapshot cache. If a hiperspace cache is in use, the page was stolen by the system. If a data space cache is in use, the cache might have filled. Try specifying a larger data space cache.</td>
</tr>
<tr>
<td>12</td>
<td>2076</td>
<td>Preimage stolen from snapshot cache. If a hiperspace cache is in use, the page was stolen by the system. If a data space cache is in use, the cache might have filled. Try specifying a larger data space cache.</td>
</tr>
<tr>
<td>12</td>
<td>2080</td>
<td>Snapshot internal error. Preserve any SVC dumps that result from this error and contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>2084</td>
<td>Snapshot internal error. Preserve any SVC dumps that result from this error and contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>2088</td>
<td>Data set's cache limit for snapshot was exceeded. Try specifying a larger cache size.</td>
</tr>
<tr>
<td>12</td>
<td>2092</td>
<td>Data set's cache limit for snapshot was exceeded. Try specifying a larger cache size.</td>
</tr>
<tr>
<td>12</td>
<td>2096</td>
<td>Cache is full. The snapshot job might not be successful. Define a larger cache to try to prevent this error.</td>
</tr>
<tr>
<td>12</td>
<td>2100</td>
<td>Snapshot internal error. Preserve any SVC dumps that result from this error and contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>2104</td>
<td>Required cache type not defined or ESO hiperspace error. The configuration does not support the cache type specified in the management set-, or an internal error occurred. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>2108</td>
<td>Snapshot internal error. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>2112</td>
<td>Snapshot internal error. Preserve any SVC dumps that result from this error and contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>2116</td>
<td>This reason code is issued in response to an error code issued by the sysplex. For information about the cause of the sysplex error code, see the IBM MVS Sysplex Service Reference documentation.</td>
</tr>
<tr>
<td>12</td>
<td>2120</td>
<td>An abend occurred during PSS snapshot processing or the PSS hook is disabled. Check LOGREC and MVS console messages for possible information regarding the abend. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>2124</td>
<td>The snapshot component of XBM detected an unsupported CISIZE or block size while processing a snapshot request. This problem most likely occurred due to a error in the snapshot request that the utility initiated and sent to XBM. For assistance, determine the actual CISIZE or block size of the data set and contact BMC Customer Support.</td>
</tr>
<tr>
<td>Return code</td>
<td>Reason code</td>
<td>Description and user response</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>12</td>
<td>3000</td>
<td>Snapshot detected an XCF error communicating with another XBM. This reason code is issued in response to an error code issued by the sysplex. For information about the cause of the sysplex error code, see the IBM MVS Sysplex Service Reference documentation. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>3004</td>
<td>Snapshot detected an error has occurred in another XBM. Review the other XBM subsystem's SYSPRINT and DTRACE output for possible errors and then retry the snapshot job.</td>
</tr>
<tr>
<td>12</td>
<td>3008</td>
<td>Snapshot detected a group member without an XBM subsystem, or the XCF group could not be determined.</td>
</tr>
<tr>
<td>12</td>
<td>3012</td>
<td>Snapshot detected an error accessing the coupling facility. For information about the cause of the sysplex error code, see the IBM MVS Sysplex Service Reference documentation.</td>
</tr>
<tr>
<td>12</td>
<td>3016</td>
<td>Data sharing environment changed, leaving a group member without an XBM. Another member was added to the data sharing group without an active XBM subsystem, or a member's XBM subsystem was stopped.</td>
</tr>
<tr>
<td>12</td>
<td>3020</td>
<td>Snapshot detected a timeout while waiting for a response from one or more XBM subsystems. To prevent this error, try increasing the timeout interval located on the PSS Options subpanel.</td>
</tr>
<tr>
<td>12</td>
<td>3024</td>
<td>Snapshot detected an unacceptable change in the data sharing group. XBM detected a data sharing I/O to an Image Copy snapshot job that differs from the information contained in the IMAGE COPY PLUS control cards. Make sure data sharing is correctly defined in the job control cards and retry the job.</td>
</tr>
<tr>
<td>12</td>
<td>3028</td>
<td>An XBM subsystem controlling a snapshot job has detected an error or timeout condition when communicating with a remote XBM subsystem. The XBM subsystem that detected the error terminates the snapshot processing on that remote XBM system for the data set; however, the controlling XBM subsystem continues to attempt processing the data set with other available XBM subsystems. This error message is displayed on the remote XBM subsystem for which the snapshot processing of the data set was terminated. When this error occurs, you can determine the results of the copy by reviewing the utility job output or the SYSPRINT output of the XBM subsystem that controlled the snapshot job.</td>
</tr>
<tr>
<td>Return code</td>
<td>Reason code</td>
<td>Description and user response</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>12</td>
<td>3032</td>
<td>This XBM subsystem terminated the snapshot job because it encountered an error while synchronizing snapshots with another XBM subsystem. The originating XBM subsystem will determine whether to fail the snapshot job because of this error. This error message is displayed on the remote XBM subsystem upon which the error occurred. When this error occurs, you can determine the results of the copy by reviewing the utility job output or the SYSPRINT output of the XBM subsystem that controlled the snapshot job.</td>
</tr>
<tr>
<td>12</td>
<td>4004</td>
<td>Error detected during hardware snapshot process. Preserve any SVC dumps that result from this error and contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>4008</td>
<td>Error detected during hardware snapshot process. Preserve any SVC dumps that result from this error and contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>4012</td>
<td>Error detected during hardware snapshot process. Preserve any SVC dumps that result from this error and contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>4016</td>
<td>Error detected during hardware snapshot process. Preserve any SVC dumps that result from this error and contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>4020</td>
<td>Error detected during hardware snapshot process. Preserve any SVC dumps that result from this error and contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>4024</td>
<td>Hardware devices or components not available for snapshot. A hardware snapshot could not be attempted because the registered data set did not reside on a device required for hardware snapshot or the snapshot job was set up incorrectly. If you cannot determine the cause of the error and correct it, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>4028</td>
<td>Hardware devices status has changed or component no longer available. Before snapshot initialization, XBM determined a hardware snapshot was valid. However, by the time the snapshot initialization began, the hardware environment was no longer valid. Check and correct the status of the hardware environment. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>4036</td>
<td>Hardware-assisted snapshot not permitted per user option. On the SSI Options subpanel, the option allowing SSI-assisted snapshots is set to NO. To enable SSI-assisted snapshots, change this option to YES.</td>
</tr>
<tr>
<td>12</td>
<td>4040</td>
<td>Hardware devices are in intervention-required state. Ensure that hardware devices are operating correctly. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>Return code</td>
<td>Reason code</td>
<td>Description and user response</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>12</td>
<td>4044</td>
<td>Required hardware operation failed to complete (timed out). The operation failed because the hardware device was busy. Check the status of the hardware device to ensure it is no longer busy, and retry the operation.</td>
</tr>
<tr>
<td>12</td>
<td>4052</td>
<td>Error in status of hardware mirror device. XBM attempted a split of the mirror device from the primary device. However, an unexpected status resulted for the mirror device. If you cannot determine the cause of the error and correct it, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>4056</td>
<td>The requested data set snap copy failed. Review accompanying messages to determine what action is required. If you cannot determine the cause of the error and correct it, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>4060</td>
<td>Snapshot internal error. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>4064</td>
<td>Snapshot internal error. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>4068</td>
<td>Snapshot internal error. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>4072</td>
<td>Snapshot internal error. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>4076</td>
<td>Snapshot internal error. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>4080</td>
<td>Snapshot internal error. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Abend in snapshot utility interface. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>The installed version of XBM does not support requested function. The function requested by the snapshot utility is not supported by the installed version of XBM. To determine what version of XBM your utility requires, see the EXTENDED BUFFER MANAGER and SNAPSHOT UPGRADE FEATURE Installation Guide. Upgrade to a newer version of XBM, if necessary. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>103</td>
<td></td>
<td>XBM not active. The XBM subsystem was partially initialized when the operation request occurred. Retry the operation.</td>
</tr>
<tr>
<td>115</td>
<td></td>
<td>The XBM subsystem is not active or is not available in a data sharing environment. Ensure that the XBM subsystem is available before attempting the operation. In a data sharing environment, also ensure that the PSS component is started, that the XBM subsystem is associated with the correct data sharing group, and that the XBMID value has been specified correctly.</td>
</tr>
</tbody>
</table>
Extended prefetch codes

XBM generates return and reason codes for extended prefetch operations.

Table 5 on page 32 lists these prefetch codes.

Table 5: Extended prefetch codes

<table>
<thead>
<tr>
<th>Return code</th>
<th>Reason code</th>
<th>Description and user response</th>
</tr>
</thead>
<tbody>
<tr>
<td>117</td>
<td></td>
<td>A required component in the XBM subsystem is not active for processing. Start the required component and retry the operation.</td>
</tr>
<tr>
<td>142</td>
<td></td>
<td>The PSS component is stopped or the XBMGROUP has not been set. Ensure that the XCF value in the PSS options identifies the XBMGROUP (and is nonblank) to use and start the PSS component. If the XBMGROUP is not identified, the PSS component will not start.</td>
</tr>
<tr>
<td>147</td>
<td></td>
<td>Abend in XBM subsystem. For assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>150</td>
<td></td>
<td>User denied access to a secured resource. Obtain authorization to the resource before continuing.</td>
</tr>
<tr>
<td>199</td>
<td></td>
<td>XBM does not support a function call that was issued by the BMC utility. Ensure that when you upgrade your utility that you also install the latest version of XBM.</td>
</tr>
</tbody>
</table>
Reason codes for DBC services

The reason codes returned by DBC services have a common format. The format identifies the specific DBC component that detected an error.

Table 6 on page 33 describes the layout of the 4-byte reason code field.

Table 6: Layout of reason codes

<table>
<thead>
<tr>
<th>Offset</th>
<th>Length</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>+0</td>
<td>1</td>
<td>DBC functional area</td>
</tr>
<tr>
<td>+1</td>
<td>1</td>
<td>DBC program identifier</td>
</tr>
<tr>
<td>+2</td>
<td>2</td>
<td>DBC error code</td>
</tr>
</tbody>
</table>

Note
The functional areas, program identifiers, and 2-byte error codes are all maintained in dbcrsns.h.

DBC component functional area and component identifiers

The DBC functional area and program identifiers (PIDs) are placed into the high-order 2 bytes of the DBC reason code. The combination identifies the specific program that raised the error condition.

Table 7 on page 33 identifies the current DBC functional areas and program identifiers.

Table 7: Functional areas and program identifiers

<table>
<thead>
<tr>
<th>Functional area</th>
<th>PID</th>
<th>Module</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 = Common Services</td>
<td>01</td>
<td>DBCASUBS.asm</td>
<td>common assembler services</td>
</tr>
<tr>
<td></td>
<td>02</td>
<td>DBCKILL.asm</td>
<td>routine to kill a task</td>
</tr>
<tr>
<td></td>
<td>03</td>
<td>DBCDIRL.asm</td>
<td>directed load interface</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>ADHOC.c</td>
<td>common functions</td>
</tr>
<tr>
<td></td>
<td>05</td>
<td>DBCDYNA.asm</td>
<td>dynamic allocation services</td>
</tr>
<tr>
<td></td>
<td>06</td>
<td>SAFOPTS.c</td>
<td>SAF options class</td>
</tr>
<tr>
<td></td>
<td>07</td>
<td>CHKAUTH.c</td>
<td>common security authorization interface</td>
</tr>
<tr>
<td></td>
<td>08</td>
<td>MESSAGE.c</td>
<td>common messages class</td>
</tr>
<tr>
<td>Functional area</td>
<td>PID</td>
<td>Module</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------</td>
<td>-----</td>
<td>------------------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td></td>
<td>09</td>
<td>SAFCLASS.c</td>
<td>SAF resources classes for the DBC component</td>
</tr>
<tr>
<td></td>
<td>0A</td>
<td>DBCCSCB.asm</td>
<td>function to modify the CSCB key</td>
</tr>
<tr>
<td></td>
<td>0B</td>
<td>DBCTFIND.asm</td>
<td>function to locate a specific DBC subsystem</td>
</tr>
<tr>
<td></td>
<td>0E</td>
<td>DBCENCLV.asm</td>
<td>DBC enclave</td>
</tr>
<tr>
<td></td>
<td>0F</td>
<td>DBCFDB2.asm</td>
<td>find DB2 service</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>DBCSTATS.c</td>
<td>DBC statistics service</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>DBCLATCH.asm</td>
<td>DBC latch services</td>
</tr>
<tr>
<td>02 = Service and Task Class</td>
<td>01</td>
<td>DBCETXR.asm</td>
<td>common end-of-task exit routine</td>
</tr>
<tr>
<td></td>
<td>02</td>
<td>TASK.c</td>
<td>tasks class</td>
</tr>
<tr>
<td></td>
<td>03</td>
<td>SERVICE.c</td>
<td>service class</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>DBCSVC00.c</td>
<td>service manager task</td>
</tr>
<tr>
<td>03 = Queue Services</td>
<td>01</td>
<td>XMQUEUE.c</td>
<td>service for cross-address-space queues</td>
</tr>
<tr>
<td></td>
<td>02</td>
<td>QUEUE.c</td>
<td>service for local-address-space queues</td>
</tr>
<tr>
<td></td>
<td>03</td>
<td>DBCQSVC.asm</td>
<td>service for local-address-space queues</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>DBCMQSVC.asm</td>
<td>service for cross-address-space queues</td>
</tr>
<tr>
<td>04 = DPR component</td>
<td>01</td>
<td>DPRCOMP.c</td>
<td>dynamic product registration (DPR) component</td>
</tr>
<tr>
<td></td>
<td>02</td>
<td>DBCDPR00</td>
<td>DPR main task</td>
</tr>
<tr>
<td></td>
<td>03</td>
<td>DBCDPR01</td>
<td>DPR request handler task</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>PRODUCT.c</td>
<td>product class</td>
</tr>
<tr>
<td></td>
<td>05</td>
<td>FUNCTION.c</td>
<td>function class</td>
</tr>
<tr>
<td></td>
<td>06</td>
<td>AGENT.c</td>
<td>agent class</td>
</tr>
<tr>
<td></td>
<td>07</td>
<td>PROCESS.c</td>
<td>process class</td>
</tr>
<tr>
<td></td>
<td>08</td>
<td>ASPACE.c</td>
<td>active process (address-space) class</td>
</tr>
<tr>
<td></td>
<td>09</td>
<td>enclave.c</td>
<td>enclave</td>
</tr>
<tr>
<td></td>
<td>0A</td>
<td>SRB.c</td>
<td>SRB</td>
</tr>
<tr>
<td></td>
<td>0B</td>
<td>SRBI.c</td>
<td>SRBI</td>
</tr>
<tr>
<td></td>
<td>0C</td>
<td>DBCPRSRSB.asm</td>
<td>DBCPRSRSB</td>
</tr>
<tr>
<td></td>
<td>0D</td>
<td>DBCDB2CP.c</td>
<td>DBCDB2CP agent</td>
</tr>
<tr>
<td>05 = External APIs</td>
<td>01</td>
<td>DBCIAPI.asm</td>
<td>DPR interface</td>
</tr>
<tr>
<td>06 = DBC Subsystem</td>
<td>01</td>
<td>DBCMAI31.c</td>
<td>DBC main</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Functional area</th>
<th>PID</th>
<th>Module</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>02</td>
<td>DYNAMN.c</td>
<td>dynamic module service class</td>
</tr>
<tr>
<td></td>
<td>03</td>
<td>DYNMOD.c</td>
<td>dynamic modules class</td>
</tr>
<tr>
<td>07 = Repository</td>
<td>01</td>
<td>DBCVOPEN.asm</td>
<td>routine to open a VSAM data set</td>
</tr>
<tr>
<td></td>
<td>02</td>
<td>DBCVCLOS.asm</td>
<td>routine to close a VDAM data set</td>
</tr>
<tr>
<td></td>
<td>03</td>
<td>DBCVSGET.asm</td>
<td>routine to perform a sequential GET</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>DBCVSPUT.asm</td>
<td>routine to perform a sequential PUT</td>
</tr>
<tr>
<td></td>
<td>05</td>
<td>DBCVKGET.asm</td>
<td>routine to perform a sequential GET through a key</td>
</tr>
<tr>
<td></td>
<td>06</td>
<td>DBCVKPUT.asm</td>
<td>routine to perform a sequential PUT through a key</td>
</tr>
<tr>
<td></td>
<td>07</td>
<td>DBCVKDEL.asm</td>
<td>routine to perform a direct delete through a key</td>
</tr>
<tr>
<td></td>
<td>08</td>
<td>VSAMDS.c</td>
<td>class to manage VSAM data sets routines</td>
</tr>
<tr>
<td></td>
<td>09</td>
<td>REPOS.c</td>
<td>class to provide KDSD methods</td>
</tr>
<tr>
<td></td>
<td>0A</td>
<td>DPRREPOS.c</td>
<td>class to provide DBC API interface for the repository</td>
</tr>
<tr>
<td>08 = XCF component</td>
<td>01</td>
<td>XFCOMP.c</td>
<td>XCF component</td>
</tr>
<tr>
<td></td>
<td>02</td>
<td>DBCXCF00</td>
<td>XCF main task</td>
</tr>
<tr>
<td></td>
<td>03</td>
<td>XCFGROUP.c</td>
<td>XCF group class</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>XCFMEMB.c</td>
<td>XCF member class</td>
</tr>
<tr>
<td></td>
<td>05</td>
<td>DBCXCFI.asm</td>
<td>XCF services interface</td>
</tr>
<tr>
<td></td>
<td>06</td>
<td>DBCXCFM.asm</td>
<td>message exit for the DBC XCF component</td>
</tr>
<tr>
<td></td>
<td>07</td>
<td>DBCXCFG.asm</td>
<td>group exit for the DBC XCF component</td>
</tr>
<tr>
<td>09 = Event Management Services</td>
<td>01</td>
<td>EMSCOMP.c</td>
<td>Event Management Service (EMS) component</td>
</tr>
<tr>
<td></td>
<td>02</td>
<td>DBCEMS00.c</td>
<td>EMS main service task</td>
</tr>
<tr>
<td></td>
<td>03</td>
<td>EVENT.c</td>
<td>EVENT class</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>DATAVAR.c</td>
<td>data variable class</td>
</tr>
<tr>
<td></td>
<td>05</td>
<td>SUBSCRIB.c</td>
<td>subscriber class</td>
</tr>
<tr>
<td>0A = CMD component</td>
<td>01</td>
<td>CMDCOMP.c</td>
<td>CMD component</td>
</tr>
<tr>
<td></td>
<td>02</td>
<td>DBCCMD00</td>
<td>CMD main task</td>
</tr>
<tr>
<td></td>
<td>03</td>
<td>DBCCMD01</td>
<td>CMD subsystem command task</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>DBCCMD02</td>
<td>CMD MODIFY command task</td>
</tr>
<tr>
<td></td>
<td>05</td>
<td>CMD.c</td>
<td>command definition class</td>
</tr>
</tbody>
</table>
Note
A program identifier is unique only within the scope of a functional area.

DBC error codes

The low-order 2 bytes of the DBC reason code contain the error code itself. In some cases, the error code is unique. However, in most cases, the error code is common and can be raised by different programs within different functional areas of DBC.

To identify which program raised the error condition, you must refer to the high-order 2 bytes that identifies the functional area and specific program that caused the error.

Table 8 on page 36 lists the DBC error codes in decimal. The error codes are displayed in hexadecimal in messages as part of the reason code.

Table 8: Error codes for DBC

<table>
<thead>
<tr>
<th>Code</th>
<th>Identifier</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DBCT_NOT_FOUND</td>
<td>The DBCT was not found.</td>
</tr>
<tr>
<td>2</td>
<td>XMLD_NOT_FOUND</td>
<td>The XMLD was not found in the DBCT.</td>
</tr>
<tr>
<td>3</td>
<td>STG_OBTAIN_ERR</td>
<td>The operation to obtain storage failed.</td>
</tr>
<tr>
<td>4</td>
<td>STG_RELEASE_ERR</td>
<td>The operation to release storage failed.</td>
</tr>
<tr>
<td>5</td>
<td>BAD_FUNCTION_CODE</td>
<td>The function code is invalid.</td>
</tr>
<tr>
<td>6</td>
<td>QUEUE_CREATE_ERR</td>
<td>The creation of the queue failed.</td>
</tr>
<tr>
<td>7</td>
<td>BAD_REASON_ADDR</td>
<td>The reason code pointer is invalid.</td>
</tr>
<tr>
<td>8</td>
<td>BAD_TOKEN_ADDR</td>
<td>The token pointer is invalid.</td>
</tr>
<tr>
<td>9</td>
<td>INVALID_TOKEN</td>
<td>The token is invalid.</td>
</tr>
<tr>
<td>10</td>
<td>BAD_MESSAGE_ADDR</td>
<td>The message address is invalid.</td>
</tr>
<tr>
<td>11</td>
<td>BAD_MESSAGE_LEN</td>
<td>The message length is invalid.</td>
</tr>
<tr>
<td>12</td>
<td>RESOURCE_INUSE</td>
<td>A serialized resource is in use.</td>
</tr>
<tr>
<td>13</td>
<td>BAD_TARGET_ADDR</td>
<td>The target address is invalid.</td>
</tr>
<tr>
<td>14</td>
<td>BAD_TARGET_LEN</td>
<td>The target length is invalid.</td>
</tr>
<tr>
<td>15</td>
<td>EMPTY_QUEUE</td>
<td>The queue is empty.</td>
</tr>
</tbody>
</table>
| 16   | MSG_OVERFLOW     | The buffer is too small for the read operation.
<table>
<thead>
<tr>
<th>Code</th>
<th>Identifier</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>BAD_RETLEN_ADDR</td>
<td>The address of the returned length is invalid.</td>
</tr>
<tr>
<td>18</td>
<td>BAD_REMLEN_ADDR</td>
<td>The address of the remaining length is invalid.</td>
</tr>
<tr>
<td>19</td>
<td>BAD_MSGID_ADDR</td>
<td>The address of the queue message ID is invalid.</td>
</tr>
<tr>
<td>20</td>
<td>BAD_MSGTYPE</td>
<td>The message type is invalid.</td>
</tr>
<tr>
<td>21</td>
<td>MSG_NOTFOUND</td>
<td>The message type was not found.</td>
</tr>
<tr>
<td>22</td>
<td>DELETE_IN_PROGRESS</td>
<td>An object delete is in progress.</td>
</tr>
<tr>
<td>23</td>
<td>MESSAGE_INUSE</td>
<td>The requested message is in use.</td>
</tr>
<tr>
<td>24</td>
<td>BAD_PLIST_ADDR</td>
<td>The address of the parameter list is invalid.</td>
</tr>
<tr>
<td>25</td>
<td>BAD_EPNAME_ADDR</td>
<td>The address of the EP name is invalid.</td>
</tr>
<tr>
<td>26</td>
<td>BAD_EPNAME_LEN</td>
<td>The length of the EP name is invalid.</td>
</tr>
<tr>
<td>27</td>
<td>BAD_EP_ADDR</td>
<td>The address of the EP name is null.</td>
</tr>
<tr>
<td>28</td>
<td>BAD_QUEUE_ADDR</td>
<td>The queue address is null.</td>
</tr>
<tr>
<td>29</td>
<td>SVC_INACTIVE</td>
<td>The required service is not active.</td>
</tr>
<tr>
<td>30</td>
<td>BAD_SERVICE_ADDR</td>
<td>The service address is null.</td>
</tr>
<tr>
<td>31</td>
<td>NO_TASK_NAME</td>
<td>A syntax error occurred.</td>
</tr>
<tr>
<td>32</td>
<td>TASK_START_ERR</td>
<td>The task start command failed.</td>
</tr>
<tr>
<td>33</td>
<td>BAD_PARM_LEN</td>
<td>The parameter length is invalid.</td>
</tr>
<tr>
<td>34</td>
<td>INVALID_PARM</td>
<td>The parameter is invalid or null.</td>
</tr>
<tr>
<td>35</td>
<td>INVALID_COMMAND</td>
<td>The command is invalid.</td>
</tr>
<tr>
<td>36</td>
<td>BAD_TCB_ADDR</td>
<td>The TCB address is null.</td>
</tr>
<tr>
<td>37</td>
<td>ESTAEX_FAILED</td>
<td>The ESTAEX service failed.</td>
</tr>
<tr>
<td>38</td>
<td>SVC_STOPPING</td>
<td>The service is stopping.</td>
</tr>
<tr>
<td>39</td>
<td>BAD_RESP_ID_ADDR</td>
<td>The address of the response ID is invalid.</td>
</tr>
<tr>
<td>40</td>
<td>RESPONSE_ERROR</td>
<td>An unknown or error response occurred.</td>
</tr>
<tr>
<td>41</td>
<td>DUPLICATE_NODE</td>
<td>A duplicate XML node name occurred.</td>
</tr>
<tr>
<td>42</td>
<td>VALUE_NOTFOUND</td>
<td>The required value was not found.</td>
</tr>
<tr>
<td>43</td>
<td>OPEN_ERROR</td>
<td>An error occurred while DBC was opening the data set.</td>
</tr>
<tr>
<td>44</td>
<td>LOAD_ERROR</td>
<td>An error occurred while DBC was loading a data set.</td>
</tr>
<tr>
<td>45</td>
<td>NO_MODNAME</td>
<td>A module name is missing or invalid.</td>
</tr>
<tr>
<td>46</td>
<td>NO_DDNAME</td>
<td>A DD name is missing or invalid.</td>
</tr>
<tr>
<td>47</td>
<td>NO_DCDB</td>
<td>A DCB pointer is missing or invalid.</td>
</tr>
<tr>
<td>48</td>
<td>DCB_NOT_OPEN</td>
<td>The DCB is not open.</td>
</tr>
<tr>
<td>Code</td>
<td>Identifier</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>49</td>
<td>INVALID_KEYLEN</td>
<td>The key length is invalid or null.</td>
</tr>
<tr>
<td>50</td>
<td>INVALID_HANDLE</td>
<td>The service handle is invalid.</td>
</tr>
<tr>
<td>51</td>
<td>BAD_DSNAME_LEN</td>
<td>The length of the data set name is invalid.</td>
</tr>
<tr>
<td>52</td>
<td>DUPLICATE_VALUE</td>
<td>A duplicate value occurred.</td>
</tr>
<tr>
<td>53</td>
<td>INVALID_LENGTH</td>
<td>The length is invalid.</td>
</tr>
<tr>
<td>54</td>
<td>MISSING_NODE</td>
<td>A missing node or keyword occurred.</td>
</tr>
<tr>
<td>55</td>
<td>DD_OPEN_ERR</td>
<td>A DD OPEN error occurred.</td>
</tr>
<tr>
<td>56</td>
<td>DD_ALLOC_ERR</td>
<td>A DD allocation error occurred.</td>
</tr>
<tr>
<td>57</td>
<td>BLDL_ERROR</td>
<td>A BLDL error occurred.</td>
</tr>
<tr>
<td>58</td>
<td>DELETE_ERROR</td>
<td>A DELETE error occurred.</td>
</tr>
<tr>
<td>59</td>
<td>LOCK_HELD</td>
<td>A lock was held.</td>
</tr>
<tr>
<td>60</td>
<td>INVALID_DATA_TYPE</td>
<td>The data type is invalid.</td>
</tr>
<tr>
<td>61</td>
<td>INVALID_VALUE</td>
<td>A node or keyword value is invalid.</td>
</tr>
<tr>
<td>62</td>
<td>BAD_USERID_LEN</td>
<td>The length of the user ID is invalid.</td>
</tr>
<tr>
<td>63</td>
<td>BAD_SAFREQS_LEN</td>
<td>The length of the SAF requestor value is invalid.</td>
</tr>
<tr>
<td>64</td>
<td>BAD_SAFRES_LEN</td>
<td>The length of the SAF resource name is invalid.</td>
</tr>
<tr>
<td>65</td>
<td>DYNALLOC_ERR</td>
<td>A dynamic allocation error occurred.</td>
</tr>
<tr>
<td>66</td>
<td>DD_CLOSE_ERR</td>
<td>A DD CLOSE error occurred.</td>
</tr>
<tr>
<td>67</td>
<td>DD_LOAD_ERR</td>
<td>A DD LOAD error occurred.</td>
</tr>
<tr>
<td>68</td>
<td>SAFOPTS_NOT_FOUND</td>
<td>The SAFOPTS value was not found in DBCT.</td>
</tr>
<tr>
<td>69</td>
<td>BUILDM_ERR</td>
<td>A SAS/C buildm() error occurred.</td>
</tr>
<tr>
<td>70</td>
<td>DD_CONCAT_ERR</td>
<td>A DD CONCATENATE error occurred.</td>
</tr>
<tr>
<td>71</td>
<td>BAD_GROUP_LEN</td>
<td>The length of the &lt;GROUP&gt; element is invalid.</td>
</tr>
<tr>
<td>72</td>
<td>NAMETOKEN_ERR</td>
<td>A name or token services error occurred.</td>
</tr>
<tr>
<td>73</td>
<td>IDENTIFY_ERR</td>
<td>The z/OS IDENTIFY operation failed.</td>
</tr>
<tr>
<td>74</td>
<td>GETEP_ERR</td>
<td>The get DYNMOD entry point operation failed.</td>
</tr>
<tr>
<td>75</td>
<td>DYNAMN_NOTFOUND</td>
<td>The DYNAMN object was not found.</td>
</tr>
<tr>
<td>76</td>
<td>DYNMOD_NOTFOUND</td>
<td>The DYNMOD object was not found.</td>
</tr>
<tr>
<td>77</td>
<td>SEND_RESPONSE_ERR</td>
<td>An error occurred while DBC was sending the response to the queue.</td>
</tr>
<tr>
<td>78</td>
<td>BAD_PRODCODE_LEN</td>
<td>The length of the product code is incorrect.</td>
</tr>
<tr>
<td>79</td>
<td>BAD_OBJGRP_LEN</td>
<td>The length of the object group is incorrect.</td>
</tr>
<tr>
<td>Code</td>
<td>Identifier</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>--------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>80</td>
<td>BAD_OBJNAME_LEN</td>
<td>The length of the object name is incorrect.</td>
</tr>
<tr>
<td>81</td>
<td>BAD_OBJTYPE_LEN</td>
<td>The length of the object type is incorrect.</td>
</tr>
<tr>
<td>82</td>
<td>BAD_RSPBUF_LEN_ADDR</td>
<td>The address of the response buffer length is incorrect.</td>
</tr>
<tr>
<td>83</td>
<td>BAD_RSP_RC_ADDR</td>
<td>The address of the response return code is incorrect.</td>
</tr>
<tr>
<td>84</td>
<td>BAD_RSP_RSN_ADDR</td>
<td>The address of the response reason code is incorrect.</td>
</tr>
<tr>
<td>85</td>
<td>DPRSERVICE_NOT_FOUND</td>
<td>The DPR service object was not found.</td>
</tr>
<tr>
<td>86</td>
<td>BAD_CLASS_NAME</td>
<td>The resource class name is invalid.</td>
</tr>
<tr>
<td>87</td>
<td>BAD_COMPONENT_NAME</td>
<td>The component name is invalid.</td>
</tr>
<tr>
<td>88</td>
<td>BAD_COMPONENT_TYPE</td>
<td>The component type is invalid.</td>
</tr>
<tr>
<td>89</td>
<td>SAFCLASS_CREATE_ERR</td>
<td>A SAFCLASS object create error occurred.</td>
</tr>
<tr>
<td>90</td>
<td>BAD_FMID_LEN</td>
<td>The length of the FMID value is invalid.</td>
</tr>
<tr>
<td>91</td>
<td>BAD_PIID_LEN</td>
<td>The length of the PIID valid is invalid.</td>
</tr>
<tr>
<td>92</td>
<td>ADD_LISTKEY_ERR</td>
<td>The DPR component failed to add the object to the keyed list.</td>
</tr>
<tr>
<td>93</td>
<td>DUPLICATE_REC</td>
<td>The request found a duplicate record.</td>
</tr>
<tr>
<td>94</td>
<td>SEND_MSG_ERR</td>
<td>The DPR component failed to send the message to the queue.</td>
</tr>
<tr>
<td>95</td>
<td>REC_NOT_FOUND</td>
<td>The record was not found.</td>
</tr>
<tr>
<td>96</td>
<td>BAD_CSCBKEY</td>
<td>The CSCB key value is invalid.</td>
</tr>
<tr>
<td>97</td>
<td>BAD_CSCBKEY_LEN</td>
<td>The CSCB key length is invalid.</td>
</tr>
<tr>
<td>98</td>
<td>CSCB_NOTFND</td>
<td>The CSCB was not found.</td>
</tr>
<tr>
<td>99</td>
<td>CSCB_RETRY</td>
<td>The maximum limit for CSCB error retries was reached.</td>
</tr>
<tr>
<td>400</td>
<td>OPTION_NOT_FOUND</td>
<td>The option was not found in the DBCT.</td>
</tr>
<tr>
<td>401</td>
<td>REPOS_NOT_AVAILABLE</td>
<td>The repository is not available.</td>
</tr>
<tr>
<td>402</td>
<td>RESP_NOT_REQUIRED</td>
<td>A message object response was not required.</td>
</tr>
<tr>
<td>403</td>
<td>DEFLATE_ERROR</td>
<td>An error occurred during object serialization.</td>
</tr>
<tr>
<td>404</td>
<td>BAD_RSPID_ADDR</td>
<td>A bad response ID address detected.</td>
</tr>
<tr>
<td>405</td>
<td>RESP_WAS_SENT</td>
<td>A message response was already sent.</td>
</tr>
<tr>
<td>406</td>
<td>BAD_DBCT_ADDR</td>
<td>The DBCT pointer is invalid.</td>
</tr>
<tr>
<td>407</td>
<td>DECONCAT_ERR</td>
<td>A deconcatenation error occurred.</td>
</tr>
<tr>
<td>408</td>
<td>DBCP_ENQ_ERROR</td>
<td>An error in API ENQ processing occurred.</td>
</tr>
<tr>
<td>409</td>
<td>BAD_ASPACE_ADDR</td>
<td>The ASPACE pointer is invalid.</td>
</tr>
<tr>
<td>410</td>
<td>BAD_SSID_ADDR</td>
<td>The SSID pointer is invalid.</td>
</tr>
<tr>
<td>411</td>
<td>DBCP_NOT_FOUND</td>
<td>The DBCP ENQ was not found.</td>
</tr>
<tr>
<td>Code</td>
<td>Identifier</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>----------------------</td>
<td>---------------------------------------------------------------</td>
</tr>
<tr>
<td>412</td>
<td>ESTAE_RETRY</td>
<td>The recovery retry maximum was hit.</td>
</tr>
<tr>
<td>413</td>
<td>ASID_NOTFND</td>
<td>The address space was not found.</td>
</tr>
<tr>
<td>414</td>
<td>READ_RESPONSE_ERR</td>
<td>An error occurred in the read response queue.</td>
</tr>
<tr>
<td>415</td>
<td>DEALLOC_ERR</td>
<td>A DD deallocation error occurred.</td>
</tr>
<tr>
<td>416</td>
<td>BAD_FUNCTION_PARMS</td>
<td>The function-specific parameters are not valid.</td>
</tr>
<tr>
<td>417</td>
<td>BAD_ENCLAVE_LEN</td>
<td>The enclave length is invalid.</td>
</tr>
<tr>
<td>418</td>
<td>OBJECT_CREATE_ERR</td>
<td>An object create error occurred.</td>
</tr>
<tr>
<td>419</td>
<td>LATCH_CREATE_ERR</td>
<td>A latch set create error occurred.</td>
</tr>
<tr>
<td>420</td>
<td>LATCH_OBTAIN_ERR</td>
<td>A latch obtain error occurred.</td>
</tr>
<tr>
<td>421</td>
<td>DD_DELETE_ERR</td>
<td>A DD DELETE error occurred.</td>
</tr>
<tr>
<td>422</td>
<td>BAD_FNAME_ADDR</td>
<td>A function name is missing.</td>
</tr>
<tr>
<td>423</td>
<td>BAD_CORRNAME_LEN</td>
<td>The correlation name length is invalid.</td>
</tr>
<tr>
<td>424</td>
<td>BAD_PERFGRPNUM</td>
<td>The performance group number is invalid.</td>
</tr>
<tr>
<td>425</td>
<td>BAD_SRB_ADDR</td>
<td>The SRB EP address is invalid.</td>
</tr>
<tr>
<td>427</td>
<td>DBCMAI31_QUEUE_NOT_FOUND</td>
<td>The DBCMAI31 queue was not found.</td>
</tr>
<tr>
<td>428</td>
<td>SCCATT_INIT_FAILED</td>
<td>An att API init error occurred.</td>
</tr>
<tr>
<td>429</td>
<td>SCCATT_TERM_FAILED</td>
<td>An att API termination error occurred.</td>
</tr>
<tr>
<td>430</td>
<td>SCCATT_CONN_FAILED</td>
<td>An att API connection error occurred.</td>
</tr>
<tr>
<td>431</td>
<td>SCCATT_DCON_FAILED</td>
<td>An att API disconnect error occurred.</td>
</tr>
<tr>
<td>432</td>
<td>SCCATT_CMD_FAILED</td>
<td>An att API DB2 command error occurred.</td>
</tr>
<tr>
<td>433</td>
<td>BAD_MQINFO_ADDR</td>
<td>The MQINFO address is missing.</td>
</tr>
<tr>
<td>439</td>
<td>LATCH_NOT_FOUND</td>
<td>The latch set was not found.</td>
</tr>
<tr>
<td>440</td>
<td>BAD_REQID_ADDR</td>
<td>No requestor ID address existed.</td>
</tr>
<tr>
<td>441</td>
<td>BAD_LTOKEN_ADDR</td>
<td>No latch token address existed.</td>
</tr>
<tr>
<td>442</td>
<td>BAD_LNUM_ADDR</td>
<td>No latch number address existed.</td>
</tr>
<tr>
<td>443</td>
<td>BAD_LOPT_ADDR</td>
<td>No latch access option address existed.</td>
</tr>
<tr>
<td>444</td>
<td>IEANTRT_ERR</td>
<td>An IEANTRT service error occurred.</td>
</tr>
<tr>
<td>445</td>
<td>IEANTCR_ERR</td>
<td>An IEANTCR service error occurred.</td>
</tr>
<tr>
<td>446</td>
<td>ISGLCRT_ERR</td>
<td>An ISGLCRT service error occurred.</td>
</tr>
<tr>
<td>447</td>
<td>ISGLPRG_ERR</td>
<td>An ISGLPRG service error occurred.</td>
</tr>
<tr>
<td>448</td>
<td>ISGLOBT_ERR</td>
<td>An ISGLOBT service error occurred.</td>
</tr>
<tr>
<td>Code</td>
<td>Identifier</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-----------------------------</td>
<td>------------------------------------------------------------------</td>
</tr>
<tr>
<td>449</td>
<td>ISGLREL_ERR</td>
<td>An ISGLREL service error occurred.</td>
</tr>
<tr>
<td>450</td>
<td>VSMLIST_ERR</td>
<td>The virtual Storage Manager (VSM) statistics interface failed.</td>
</tr>
<tr>
<td>451</td>
<td>BAD_PRINT_ADDR PRINT</td>
<td>A class object pointer is null or invalid.</td>
</tr>
<tr>
<td>452</td>
<td>DD_CREATE_ERR</td>
<td>The creation of a DD class object failed.</td>
</tr>
<tr>
<td>453</td>
<td>BAD_OBJECT_ADDR</td>
<td>An invalid or null object address was found.</td>
</tr>
<tr>
<td>454</td>
<td>BAD_STRUCT_ADDR</td>
<td>An invalid or null struct pointer was found.</td>
</tr>
<tr>
<td>455</td>
<td>ESTAE_NOT_SET</td>
<td>An internal recovery failed to set ESTAE.</td>
</tr>
<tr>
<td>456</td>
<td>DIAGNOSE_FAILED</td>
<td>An internal DIAGNOSE command failed.</td>
</tr>
</tbody>
</table>

**XMLD parser API reason codes**

<table>
<thead>
<tr>
<th>Code</th>
<th>Reason Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>BAD_PARM</td>
<td>The input parameter is invalid.</td>
</tr>
<tr>
<td>101</td>
<td>PINST_EXISTS</td>
<td>The parser instance already exists.</td>
</tr>
<tr>
<td>102</td>
<td>PINST_NO_EXISTS</td>
<td>The parser instance does not exist.</td>
</tr>
<tr>
<td>103</td>
<td>PBLK_ALLOC_ERR</td>
<td>The allocate parser instance CB operation failed.</td>
</tr>
<tr>
<td>104</td>
<td>PINST_CREATE_ERR</td>
<td>The create parser instance operation failed.</td>
</tr>
<tr>
<td>105</td>
<td>PINST_FREE_ERR</td>
<td>The free parser instance operation failed.</td>
</tr>
<tr>
<td>106</td>
<td>PARSE_EXISTS</td>
<td>The parse tree already exists.</td>
</tr>
<tr>
<td>107</td>
<td>PARSE_NO_EXISTS</td>
<td>The parse tree does not exist.</td>
</tr>
<tr>
<td>108</td>
<td>PARSE_ERR</td>
<td>The parse request failed.</td>
</tr>
<tr>
<td>109</td>
<td>PARSE_FREE_ERR</td>
<td>The free parse tree operation failed.</td>
</tr>
<tr>
<td>110</td>
<td>GET_ROOT_ERR</td>
<td>The get root node operation failed.</td>
</tr>
<tr>
<td>111</td>
<td>SET_NODE_ERR</td>
<td>The set node value operation failed.</td>
</tr>
<tr>
<td>112</td>
<td>GET_ATTR_ERR</td>
<td>The get attribute operation failed.</td>
</tr>
<tr>
<td>113</td>
<td>SERIALIZE_ERR</td>
<td>The serialize parse tree operation failed.</td>
</tr>
<tr>
<td>114</td>
<td>SERIALIZE_FREE_ERR</td>
<td>The release serialized operation failed.</td>
</tr>
</tbody>
</table>

**Parser reason codes**

<table>
<thead>
<tr>
<th>Code</th>
<th>Reason Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>115</td>
<td>GET_NODE_TYPE_ERR</td>
<td>The get node type operation failed.</td>
</tr>
<tr>
<td>116</td>
<td>AUTH_FAIL</td>
<td>The request was not authorized and failed.</td>
</tr>
<tr>
<td>117</td>
<td>AUTH_ERROR</td>
<td>An authorization error occurred.</td>
</tr>
<tr>
<td>118</td>
<td>PINST_HANDLE_ERR</td>
<td>The parser instance handle is invalid.</td>
</tr>
<tr>
<td>119</td>
<td>PARSE_HANDLE_ERR</td>
<td>The parser session handle is invalid.</td>
</tr>
<tr>
<td>120</td>
<td>NODE_NOTFND</td>
<td>The child node not was found.</td>
</tr>
<tr>
<td>121</td>
<td>CURR_NODE_ERR</td>
<td>The current node is in error.</td>
</tr>
<tr>
<td>Code</td>
<td>Identifier</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>122</td>
<td>CHILD_NODE_ERR</td>
<td>The child node is in error.</td>
</tr>
<tr>
<td>130</td>
<td>BAD_PGMNAME</td>
<td>The address of the program name is invalid.</td>
</tr>
<tr>
<td>131</td>
<td>BAD_PGMNLEN</td>
<td>The length of the program name is invalid.</td>
</tr>
<tr>
<td>132</td>
<td>NULL_TCB_ADDR</td>
<td>The TCB address is null.</td>
</tr>
<tr>
<td>133</td>
<td>TASK_IS_ACTIVE</td>
<td>The task is still active.</td>
</tr>
<tr>
<td>134</td>
<td>NULL_TASK_ADDR</td>
<td>The address of the TASK object is null.</td>
</tr>
<tr>
<td>135</td>
<td>ATTACH_ERR</td>
<td>A task ATTACH error occurred.</td>
</tr>
<tr>
<td>136</td>
<td>NO_ACTIVE_TASKS</td>
<td>No active tasks are available.</td>
</tr>
<tr>
<td>137</td>
<td>TASKS_IN_SHUTDOWN</td>
<td>Tasks are still shutting down.</td>
</tr>
<tr>
<td>138</td>
<td>INVALID_QTYPE</td>
<td>The queue type is invalid.</td>
</tr>
<tr>
<td>139</td>
<td>SVC_NOT_STOPPING</td>
<td>The service is not stopping.</td>
</tr>
<tr>
<td>140</td>
<td>TASK_ABEND</td>
<td>A task abend was detected.</td>
</tr>
<tr>
<td>141</td>
<td>TASK_IS_DETACHED</td>
<td>A task is detached.</td>
</tr>
<tr>
<td>142</td>
<td>TASK_IS_STOPPING</td>
<td>A task is stopping.</td>
</tr>
<tr>
<td>143</td>
<td>BAD_RESP_IDENTIFIER</td>
<td>The required response ID parameter is missing.</td>
</tr>
<tr>
<td>144</td>
<td>BAD_RESP_BUFFER_PTR</td>
<td>The required buffer address is missing.</td>
</tr>
<tr>
<td>145</td>
<td>BAD_RESP_LENGTH_PTR</td>
<td>The required buffer length is missing.</td>
</tr>
<tr>
<td>146</td>
<td>BAD_RESP_BUFFER_LEN</td>
<td>The response buffer length is zero or invalid.</td>
</tr>
<tr>
<td>147</td>
<td>READRESPONSE_TIMEOUT</td>
<td>The read response request timed out.</td>
</tr>
<tr>
<td>148</td>
<td>TASK_IS_TERMINATED</td>
<td>The task terminated.</td>
</tr>
<tr>
<td>149</td>
<td>TASK_NOT_TERMINATED</td>
<td>The task did not terminate.</td>
</tr>
</tbody>
</table>

**XMQUEUE and DBC USS MQ service reason codes**

<table>
<thead>
<tr>
<th>Code</th>
<th>Identifier</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>BAD_USS_REASON_ADDR</td>
<td>The address of the USS reason code is invalid.</td>
</tr>
<tr>
<td>151</td>
<td>BAD_MQID_ADDR</td>
<td>The address of the MQ ID is invalid.</td>
</tr>
<tr>
<td>152</td>
<td>BAD_MQTYPE_ADDR</td>
<td>The address of the MQ type is invalid.</td>
</tr>
<tr>
<td>153</td>
<td>BAD_WAIT_ADDR</td>
<td>The address of the WAIT indicator is invalid.</td>
</tr>
<tr>
<td>154</td>
<td>BAD_RET_MSGTYPE_ADDR</td>
<td>The address of the returned message type is invalid.</td>
</tr>
<tr>
<td>155</td>
<td>BAD_RET_BYTE_CNT_ADDR</td>
<td>The address of the returned byte count is invalid.</td>
</tr>
<tr>
<td>156</td>
<td>USS_SERVICE_ERR</td>
<td>A USS service error occurred.</td>
</tr>
</tbody>
</table>

USS_SERVICE_ERR indicates that the USS service returned an error. To diagnose, see the return code and the returned USS reason code in USS system services messages and codes manual.
<table>
<thead>
<tr>
<th>Code</th>
<th>Identifier</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>157</td>
<td>TARGET_BUF_TOO_SMALL</td>
<td>(warning) The target message buffer is too small. You need a larger message buffer.</td>
</tr>
<tr>
<td>1141</td>
<td>USS_ID_REMOVED</td>
<td>The USS identifier was removed.</td>
</tr>
</tbody>
</table>

**DPRCOMP component reason codes**

<table>
<thead>
<tr>
<th>Code</th>
<th>Identifier</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>163</td>
<td>FINDDB2_FAILED</td>
<td>The find DB2 request failed.</td>
</tr>
<tr>
<td>164</td>
<td>TARGET_FAILED</td>
<td>The syntax for the TARGET statement is invalid.</td>
</tr>
<tr>
<td>165</td>
<td>STOPSRB_FAILED</td>
<td>The STOP SRB request failed.</td>
</tr>
<tr>
<td>166</td>
<td>DPIQUEUE_NOT_FOUND</td>
<td>The main queue of the DPI component was not found.</td>
</tr>
<tr>
<td>167</td>
<td>DPIQUEUETKN_ERROR</td>
<td>A queue token error occurred.</td>
</tr>
<tr>
<td>168</td>
<td>ENCLAVE_DISABLED</td>
<td>The enclave is disabled.</td>
</tr>
<tr>
<td>169</td>
<td>SRBTERM_FAILED</td>
<td>The SRB terminate request failed.</td>
</tr>
<tr>
<td>170</td>
<td>DPRCOMP_NOT_FOUND</td>
<td>The DPR component was not found in DBCT.</td>
</tr>
<tr>
<td>171</td>
<td>INVALID_REQUEST</td>
<td>The DPR request is invalid.</td>
</tr>
<tr>
<td>172</td>
<td>PDM_GET_XML_ERR</td>
<td>The PDM get request operation failed.</td>
</tr>
<tr>
<td>173</td>
<td>PDM_XML_DOC_ERR</td>
<td>The PDM XML document is invalid.</td>
</tr>
<tr>
<td>174</td>
<td>INIT_FAILED</td>
<td>The request to initialize a product failed.</td>
</tr>
<tr>
<td>175</td>
<td>EXECUTE_FAILED</td>
<td>The product execute operation failed.</td>
</tr>
<tr>
<td>176</td>
<td>STARTAGENT_FAILED</td>
<td>The request to start an agent failed.</td>
</tr>
<tr>
<td>177</td>
<td>STOPAGENT_FAILED</td>
<td>The request to stop an agent failed.</td>
</tr>
<tr>
<td>178</td>
<td>TASKSTOP_FAILED</td>
<td>The request to stop a task failed.</td>
</tr>
<tr>
<td>179</td>
<td>SEND_FAILED</td>
<td>The send request failed.</td>
</tr>
<tr>
<td>180</td>
<td>STARTPROCESS_FAILED</td>
<td>The request to start a process failed.</td>
</tr>
<tr>
<td>181</td>
<td>STOPPROCESS_FAILED</td>
<td>The request to stop a process failed.</td>
</tr>
<tr>
<td>182</td>
<td>DISPLAY_FAILED</td>
<td>The <code>&lt;DISPLAY&gt;</code> command for a product definition XML document failed.</td>
</tr>
<tr>
<td>183</td>
<td>INITDIR_FAILED</td>
<td>The <code>&lt;INITPROD&gt;</code> command for a product failed.</td>
</tr>
<tr>
<td>184</td>
<td>INITPDM_FAILED</td>
<td>The <code>&lt;INITPRODBYPDM&gt;</code> command failed.</td>
</tr>
<tr>
<td>185</td>
<td>TRACE_FAILED</td>
<td>The request to control internal tracing failed.</td>
</tr>
<tr>
<td>186</td>
<td>OPEN_DREP_ERR</td>
<td>The DPR component encountered an error while opening the DPR repository.</td>
</tr>
<tr>
<td>187</td>
<td>CLOSE_DREP_ERR</td>
<td>The DPR component encountered an error while closing the DPR repository.</td>
</tr>
<tr>
<td>188</td>
<td>INIT_DREP_ERR</td>
<td>The DPR component encountered an error while initializing the DPR repository.</td>
</tr>
<tr>
<td>Code</td>
<td>Identifier</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>----------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>189</td>
<td>PUT_INITPROD_ERR</td>
<td>The DPR component encountered an error while putting the INITPROD record in the DPR repository.</td>
</tr>
<tr>
<td>190</td>
<td>GET_INITPROD_ERR</td>
<td>The DPR component encountered an error while getting an INITPROD record from the DPR repository.</td>
</tr>
<tr>
<td>191</td>
<td>DPRREPOS_CREATE_ERR</td>
<td>A DPRREPOS object create error occurred.</td>
</tr>
<tr>
<td>192</td>
<td>TERMPROD FAILED</td>
<td>The request to terminate a product failed.</td>
</tr>
<tr>
<td>193</td>
<td>DISABLE_FAILED</td>
<td>A request to &lt;DISABLE&gt; a DPR-initialized product object or a component of that product (that is, FUNCTION, AGENT, or PROCESS) failed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For more information, see accompanying message BMCDBC0099E. This message identifies the target component of the DISABLE request.</td>
</tr>
<tr>
<td>194</td>
<td>GETPROD_FAILED</td>
<td>A request to locate an instance of an initialized PRODUCT failed. This reason code is issued within the context of error message BMCDBC0072E or BMCDBC0095E to indicate the specific parameter in error.</td>
</tr>
<tr>
<td>195</td>
<td>AUTOEXEC_FAILED</td>
<td>An AUTOEXEC failure occurred.</td>
</tr>
<tr>
<td>196</td>
<td>PRODUCT_NOT_FOUND</td>
<td>The product object was not found.</td>
</tr>
<tr>
<td>197</td>
<td>DPR_NOT_ACTIVE</td>
<td>The DPR component is not active.</td>
</tr>
<tr>
<td>198</td>
<td>ENCLAVE_FAILED</td>
<td>The enclave request failed.</td>
</tr>
<tr>
<td>199</td>
<td>STARTSRB FAILED</td>
<td>The STARTSRB request failed.</td>
</tr>
<tr>
<td>204</td>
<td>PUT_START_ERR</td>
<td>The put START record operation failed.</td>
</tr>
<tr>
<td>205</td>
<td>GET_START_ERR</td>
<td>The get START record operation failed.</td>
</tr>
<tr>
<td>213</td>
<td>TASKTERM_FAILED</td>
<td>The internal TASKTERM messages failed.</td>
</tr>
<tr>
<td>214</td>
<td>TERMPROD_IN_PROGRESS</td>
<td>A TERMPROD request is already in progress.</td>
</tr>
<tr>
<td>215</td>
<td>PRTOPEN_FAILED</td>
<td>A print service PRTOPEN request failed.</td>
</tr>
<tr>
<td>216</td>
<td>PRTSEND_FAILED</td>
<td>A print service PRTSEND request failed.</td>
</tr>
<tr>
<td>217</td>
<td>PRTFLUSH_FAILED</td>
<td>A print service PRTFLUSH request failed.</td>
</tr>
<tr>
<td>218</td>
<td>PRTCLOSE_FAILED</td>
<td>A print service PRTCLOSE request failed.</td>
</tr>
<tr>
<td>219</td>
<td>SERVICE_FAILED</td>
<td>A SERVICE request failed.</td>
</tr>
<tr>
<td>220</td>
<td>SERVICE_IS_STARTED</td>
<td>The SERVICE is already started.</td>
</tr>
<tr>
<td>221</td>
<td>SERVICE_IS_STOPPED</td>
<td>The SERVICE is already stopped or stopping.</td>
</tr>
<tr>
<td>222</td>
<td>REGISTER_FAILED</td>
<td>The SERVICE object registration failed.</td>
</tr>
<tr>
<td>223</td>
<td>RIDMAN_NOT_FOUND</td>
<td>The RID manager object was not found in DPR component object.</td>
</tr>
<tr>
<td>224</td>
<td>RID_LOG_ERROR</td>
<td>An error occurred logging a response ID.</td>
</tr>
<tr>
<td>Code</td>
<td>Identifier</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>------------</td>
<td>-------------</td>
</tr>
<tr>
<td>225</td>
<td>SENDRESP_FAILED</td>
<td>The send response request failed.</td>
</tr>
<tr>
<td>226</td>
<td>RID_NOT_FOUND</td>
<td>A requested response was not found in log.</td>
</tr>
<tr>
<td>227</td>
<td>RID_IN_ERROR</td>
<td>The response ID object was in error.</td>
</tr>
<tr>
<td>228</td>
<td>RID_LOCK_HELD</td>
<td>The response ID log lock was held.</td>
</tr>
<tr>
<td>229</td>
<td>RID_NOT_EXPIRED</td>
<td>The response ID was not expired.</td>
</tr>
<tr>
<td>230</td>
<td>RID_EXPIRED</td>
<td>The response ID has expired.</td>
</tr>
<tr>
<td>231</td>
<td>INVALID_HANDLER_TYPE</td>
<td>The SERVICE handler type was invalid.</td>
</tr>
<tr>
<td>232</td>
<td>XMQCLEAN_FAILED</td>
<td>An internal request to clean the cross-memory queue failed.</td>
</tr>
<tr>
<td>233</td>
<td>BAD_SVCID_LEN</td>
<td>The length of the SERVICE ID is invalid.</td>
</tr>
<tr>
<td>234</td>
<td>BAD_NAMESPACE_LEN</td>
<td>The length of the SERVICE namespace is invalid.</td>
</tr>
<tr>
<td>235</td>
<td>GET_COMMAND_ERR</td>
<td>The get of a COMMAND record type failed.</td>
</tr>
<tr>
<td>236</td>
<td>RID_REMOVED</td>
<td>The response ID was removed from the log.</td>
</tr>
</tbody>
</table>

**External DPR component API (DBCIAPI) reason codes**

<table>
<thead>
<tr>
<th>Code</th>
<th>Identifier</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>DBCIAPI_DBC_NOT_FOUND</td>
<td>DBC was not found.</td>
</tr>
<tr>
<td>201</td>
<td>DBCIAPI_BUF_TOO_SMALL</td>
<td>The READ buffer is too small. The buffer needs to be larger.</td>
</tr>
<tr>
<td>202</td>
<td>DBCIAPI_BAD_TIMEOUT</td>
<td>The time-out value is invalid.</td>
</tr>
<tr>
<td>203</td>
<td>DBCIAPI_TIMEOUT</td>
<td>The READ function timed out.</td>
</tr>
<tr>
<td>206</td>
<td>INITDB2CP_FAILED</td>
<td>The INITDB2CP command failed.</td>
</tr>
<tr>
<td>207</td>
<td>DELETE_FAILED</td>
<td>The DELETE request failed.</td>
</tr>
<tr>
<td>208</td>
<td>DBCCMD_FAILED</td>
<td>The DBCCMD request failed.</td>
</tr>
<tr>
<td>209</td>
<td>DB2INFO_FAILED</td>
<td>The DB2INFO request failed.</td>
</tr>
<tr>
<td>210</td>
<td>DB2CMD_FAILED</td>
<td>The DB2CMD request failed.</td>
</tr>
<tr>
<td>212</td>
<td>REFRESH_FAILED</td>
<td>The REFRESH request failed.</td>
</tr>
</tbody>
</table>

**PRODUCT, AGENT, FUNCTION, and PROCESS reason codes**

<table>
<thead>
<tr>
<th>Code</th>
<th>Identifier</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>BAD_SAFCLASS_LEN</td>
<td>The length of the SAF class valid is invalid.</td>
</tr>
<tr>
<td>251</td>
<td>BAD_VERSION_LEN</td>
<td>The length of the version value is invalid.</td>
</tr>
<tr>
<td>252</td>
<td>BAD_RELEASE_LEN</td>
<td>The length of the release value is invalid.</td>
</tr>
<tr>
<td>253</td>
<td>BAD_FUNCTION_LEN</td>
<td>The length of the function is invalid.</td>
</tr>
<tr>
<td>254</td>
<td>BAD_AGENT_LEN</td>
<td>The length of the agent value is invalid.</td>
</tr>
<tr>
<td>255</td>
<td>BAD_PROCESS_LEN</td>
<td>The length of the process value is invalid.</td>
</tr>
<tr>
<td>256</td>
<td>ENABLE_FAILED</td>
<td>The product enable operation failed.</td>
</tr>
<tr>
<td>257</td>
<td>INVALID_DSN</td>
<td>The data set name is invalid.</td>
</tr>
<tr>
<td>Code</td>
<td>Identifier</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>--------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>258</td>
<td>IS_ENABLED</td>
<td>The object is enabled.</td>
</tr>
<tr>
<td>259</td>
<td>IS_DISABLED</td>
<td>The object is disabled.</td>
</tr>
<tr>
<td>260</td>
<td>SVC_ERR</td>
<td>An SVC screening error occurred.</td>
</tr>
<tr>
<td>261</td>
<td>BAD_PDXD_LEN</td>
<td>The length of the product definition XML document is null.</td>
</tr>
<tr>
<td>262</td>
<td>PDXD_ALREADY_SAVED</td>
<td>The product definition XML file was already saved. The request to save the file is a duplicate.</td>
</tr>
<tr>
<td>263</td>
<td>AGENT_NOT_FOUND</td>
<td>The agent object was not found.</td>
</tr>
<tr>
<td>264</td>
<td>AGENT_NOT_ACTIVE</td>
<td>The agent task is not active.</td>
</tr>
<tr>
<td>265</td>
<td>AGENT_IS_ACTIVE</td>
<td>The agent task is already active.</td>
</tr>
<tr>
<td>266</td>
<td>PROCESS_NOT_FOUND</td>
<td>The process object was not found.</td>
</tr>
<tr>
<td>267</td>
<td>PROCESS_NOT_ACTIVE</td>
<td>The process is not active.</td>
</tr>
<tr>
<td>268</td>
<td>PROCESS_IS_ACTIVE</td>
<td>The process is already active.</td>
</tr>
<tr>
<td>269</td>
<td>PROCESS_TERMINATED</td>
<td>The process has terminated.</td>
</tr>
<tr>
<td>270</td>
<td>PROCESS_STATE_UNKNOW N</td>
<td>The process state is unknown.</td>
</tr>
<tr>
<td>271</td>
<td>FUNCTION_NOT_FOUND</td>
<td>The function object was not found.</td>
</tr>
<tr>
<td>275</td>
<td>BAD_SRB_LEN</td>
<td>The length of the SRB is invalid.</td>
</tr>
<tr>
<td>276</td>
<td>DUPLICATE_SRB</td>
<td>The SRB is a duplicate.</td>
</tr>
<tr>
<td>277</td>
<td>SRB_NOT_FOUND</td>
<td>The SRB object was not found.</td>
</tr>
<tr>
<td>278</td>
<td>ENCLAVE_NOT_FOUND</td>
<td>The ENCLAVE object was not found.</td>
</tr>
<tr>
<td>279</td>
<td>SRB_IS_ACTIVE</td>
<td>The SRB is already active.</td>
</tr>
<tr>
<td>280</td>
<td>SRB_NOT_ACTIVE</td>
<td>The SRB is not active.</td>
</tr>
<tr>
<td>281</td>
<td>INVALID_AGENT_TYPE</td>
<td>An unsupported or invalid agent type was detected.</td>
</tr>
<tr>
<td>282</td>
<td>INVALID_AGENT_AMODE</td>
<td>An unsupported or invalid agent AMODE was detected.</td>
</tr>
<tr>
<td>283</td>
<td>BAD_USER_KEY</td>
<td>An unsupported or invalid PRODUCT key was specified.</td>
</tr>
</tbody>
</table>

Repository reason codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Identifier</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>BAD_VSAM_RC_ADDR</td>
<td>The address of the VSAM return code is invalid.</td>
</tr>
<tr>
<td>301</td>
<td>BAD_VSAM_RSN_ADDR</td>
<td>The address of the VSAM reason code is invalid.</td>
</tr>
<tr>
<td>302</td>
<td>BAD_DBCV_ADDR</td>
<td>The address of the DBC VSAM block is invalid.</td>
</tr>
<tr>
<td>303</td>
<td>BAD_REC_ADDR</td>
<td>The address of the record is invalid.</td>
</tr>
<tr>
<td>304</td>
<td>BAD_RECLEN_ADDR</td>
<td>The address of the record length is invalid.</td>
</tr>
<tr>
<td>305</td>
<td>BAD_KEY_ADDR</td>
<td>The address of the record key is invalid.</td>
</tr>
<tr>
<td>Code</td>
<td>Identifier</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>----------------------------</td>
<td>--------------------------------------------------------------</td>
</tr>
<tr>
<td>306</td>
<td>GENCB_ACB_ERR</td>
<td>The generate ACB operation failed.</td>
</tr>
<tr>
<td>307</td>
<td>GENCB_RPL_ERR</td>
<td>The generate RPL operation failed.</td>
</tr>
<tr>
<td>308</td>
<td>MODCB_ACB_ERR</td>
<td>The modify ACB operation failed.</td>
</tr>
<tr>
<td>309</td>
<td>MODCB_RPL_ERR</td>
<td>The modify RPL operation failed.</td>
</tr>
<tr>
<td>310</td>
<td>SHOWCB_ACB_ERR</td>
<td>The extract ACB field operation failed.</td>
</tr>
<tr>
<td>311</td>
<td>SHOWCB_RPL_ERR</td>
<td>The extract RPL field operation failed.</td>
</tr>
<tr>
<td>312</td>
<td>VSAM_OPEN_ERR</td>
<td>The OPEN VSAM data set operation failed.</td>
</tr>
<tr>
<td>313</td>
<td>VSAM_CLOSE_ERR</td>
<td>The CLOSE VSAM data set operation failed.</td>
</tr>
<tr>
<td>314</td>
<td>VSAM_GET_ERR</td>
<td>The GET record operation failed.</td>
</tr>
<tr>
<td>315</td>
<td>VSAM_PUT_ERR</td>
<td>The PUT record operation failed.</td>
</tr>
<tr>
<td>316</td>
<td>VSAM_POINT_ERR</td>
<td>The POINT record operation failed.</td>
</tr>
<tr>
<td>317</td>
<td>VSAM_ERASE_ERR</td>
<td>The ERASE record operation failed.</td>
</tr>
<tr>
<td>318</td>
<td>ALLOC_DBCV_ERR</td>
<td>The allocate DBCV block operation failed.</td>
</tr>
<tr>
<td>319</td>
<td>ALLOC_RECBUF_ERR</td>
<td>The allocate record buffers operation failed.</td>
</tr>
<tr>
<td>320</td>
<td>BAD_REC_TYPE</td>
<td>An unsupported or invalid record type was detected.</td>
</tr>
</tbody>
</table>

**XCFCOMP component reason codes**

<table>
<thead>
<tr>
<th>Code</th>
<th>Identifier</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>XCFCOMP_NOT_FOUND</td>
<td>XCFCOMP was not found in the DBCT.</td>
</tr>
<tr>
<td>501</td>
<td>XCF_NOT_ACTIVE</td>
<td>XCFCOMP is not active.</td>
</tr>
<tr>
<td>502</td>
<td>XCF_SERVICE_CODE</td>
<td>The XCF service returned a warning or error.</td>
</tr>
<tr>
<td>503</td>
<td>XCF_ACTIVATION_FAILED</td>
<td>An activation failure error occurred.</td>
</tr>
<tr>
<td>504</td>
<td>XCF_NO_MEMBER_LIST</td>
<td>No member list is available.</td>
</tr>
<tr>
<td>505</td>
<td>XCF_MEMBER_NOT_FOUND</td>
<td>The member is not in the member list.</td>
</tr>
<tr>
<td>506</td>
<td>XCF_JOIN_FAILED</td>
<td>The IXCJOIN operation failed.</td>
</tr>
<tr>
<td>507</td>
<td>XCF_LEAVE_FAILED</td>
<td>The IXCLEAVE operation failed.</td>
</tr>
<tr>
<td>508</td>
<td>BAD_XCF_GROUP_NAME</td>
<td>The XCF group name is invalid.</td>
</tr>
<tr>
<td>509</td>
<td>BAD_XCF_MEMBER_NAME</td>
<td>The XCF member name is invalid.</td>
</tr>
<tr>
<td>510</td>
<td>XCF_QUERY_GROUP_FAILED</td>
<td>The IXCQUERY operation for the group failed.</td>
</tr>
<tr>
<td>511</td>
<td>XCFGROUP_REFRESH_FAILED</td>
<td>The XCFGROUP refresh failed.</td>
</tr>
<tr>
<td>512</td>
<td>XCF_MULT_MEMBERS_FOUND</td>
<td>Multiple members were found.</td>
</tr>
<tr>
<td>513</td>
<td>XCF_SEND_FAILED</td>
<td>The IXCMSGO operation failed.</td>
</tr>
<tr>
<td>Code</td>
<td>Identifier</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>---------------------------------</td>
<td>--------------------------------------------------------------</td>
</tr>
<tr>
<td>514</td>
<td>XCF_COMPID_ERROR</td>
<td>The XCF component ID is invalid.</td>
</tr>
</tbody>
</table>

**EMSCOMP component reason codes**

<table>
<thead>
<tr>
<th>Code</th>
<th>Identifier</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>600</td>
<td>EMSCOMP_NOT_FOUND</td>
<td>The EMSCOMP component anchor was not found in the DBCT.</td>
</tr>
<tr>
<td>601</td>
<td>EVENTDEF_FAILED</td>
<td>An EVENTDEF request failed.</td>
</tr>
<tr>
<td>602</td>
<td>EVENTDEL_FAILED</td>
<td>An EVENTDEL request failed.</td>
</tr>
<tr>
<td>603</td>
<td>EVENTPUB_FAILED</td>
<td>An EVENTPUB request failed.</td>
</tr>
<tr>
<td>604</td>
<td>EVENTSUB_FAILED</td>
<td>An EVENTSUB request failed.</td>
</tr>
<tr>
<td>605</td>
<td>EVENTUNSUB_FAILED</td>
<td>An EVENTUNSUB request failed.</td>
</tr>
<tr>
<td>606</td>
<td>EVENT_NOT_FOUND</td>
<td>The named event was not found.</td>
</tr>
<tr>
<td>607</td>
<td>EVENT_NO_SUBSCRIBERS</td>
<td>A publish event was discarded because no subscribers to the event were found.</td>
</tr>
<tr>
<td>608</td>
<td>SUBSCRIB_NOT_FOUND</td>
<td>The specific subscriber was not found.</td>
</tr>
<tr>
<td>609</td>
<td>SUBSCRIB_DELAYED</td>
<td>A subscription event was delayed as the event has not yet been defined.</td>
</tr>
</tbody>
</table>

**CMDCOMP component reason codes**

<table>
<thead>
<tr>
<th>Code</th>
<th>Identifier</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>700</td>
<td>CMDCOMP_NOT_FOUND</td>
<td>The CMDCOMP component was not found in the DBCT.</td>
</tr>
<tr>
<td>701</td>
<td>CMD_ACTIVATION_FAILED</td>
<td>An activation failure occurred.</td>
</tr>
<tr>
<td>702</td>
<td>CMDDEF_FAILED</td>
<td>A CMDDEF request failed.</td>
</tr>
<tr>
<td>703</td>
<td>CMDDEL_FAILED</td>
<td>A CMDDEL request failed.</td>
</tr>
<tr>
<td>704</td>
<td>CMD_NOT_FOUND</td>
<td>The command was not found.</td>
</tr>
<tr>
<td>705</td>
<td>DPR_API_NOT_FOUND</td>
<td>The DPR API address is invalid.</td>
</tr>
<tr>
<td>706</td>
<td>DPR_API_FAILED</td>
<td>A DPR API error occurred.</td>
</tr>
<tr>
<td>707</td>
<td>CMDSRCLIST_NOT_FOUND</td>
<td>The command SRCLIST was not found.</td>
</tr>
</tbody>
</table>

**DBC abend codes**

The DBC subsystem issues a user ABEND only if recovery is not possible.

Table 9 on page 48 lists the complete set of DBC user abend codes.

**Table 9: DBC abend codes**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>U1000</td>
<td>The task object was not found.</td>
</tr>
</tbody>
</table>
Code | Description
--- | ---
U1001 | The DBCT object was not found.
U1002 | A global print DD list error occurred.
U1003 | The agent object was not found.
U1004 | The agent ID length is invalid.
U1005 | The DBCSTATS object was not found.
U1006 | The global PRV set failed.
U1007 | The global PRINT service was not found.
U1008 | The ASID Include Filter Array (AIFA) hash table was not found.
U1009 | The ASID Include Filter Array (AIFA) object was not found.
U1010 | ASID Include Filter Entry (AIFE) was not found.
U1011 | TCB Include Filter Array (TIFA) was not found.
U1012 | Out of storage condition occurred.
U1013 | DBCIAPI was not found.
U1014 | The DPR component object was not found.
U1015 | The DBC connect to self failed.
U1016 | A severe internal error was detected.

### USS message queue 'SEND' return codes

DBC issues return code values associated with the USS message queue SEND request.

For more information, see the BPX1QSN routine in the USS Programming: Assembler Callable Services Reference.

Table 10 on page 49 lists the possible reason codes.

#### Table 10: USS message queue SEND return codes

<table>
<thead>
<tr>
<th>Return code</th>
<th>Explanation</th>
<th>Associated reason code</th>
</tr>
</thead>
<tbody>
<tr>
<td>EACCES</td>
<td>Permission to operate was denied to the calling task: JRIpCDenied.</td>
<td>If the message queue was built with Ipc_SndTypePID, and the MSG_TYPE was other than the invoker's process ID, the following reason code accompanies the return code: JRTypENotPID</td>
</tr>
<tr>
<td>Return code</td>
<td>Explanation</td>
<td>Associated reason code</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>------------------------</td>
</tr>
</tbody>
</table>
| EAGAIN      | The message cannot be sent, and Message_Flag is set to Ipc_NOWAIT. | □ JRMsqQueueFullMessages  
□ JRMsqQueueFullByte |
| EIDRM       | The Message_Queue_ID was removed from the system while the caller was waiting. | JRIpcRemoved |
| EINVAL      | The function was interrupted by a signal, and the message was not sent. | JRIpcSignaled |
| EINVAL      | One of the following conditions occurred:  
□ The value of Message_Queue_ID is not a valid message queue identifier.  
□ The value of MSG_TYPE is less than 1.  
□ The value of Message_Size is less than zero or greater than the system-imposed limit. | □ JRIpcBadID  
□ JRMsqBadSize  
□ JRMsqBadType. |
| EFAULT      | The Message_address parameter specified an address that caused the service to program check. | JRBadAddress |
| ENOMEM      | Not enough system storage exits were available to send the message. The message was not sent. | JrSmNoStorage |
Messages BBAPWD00 through BBAPWD99

For BMC Product Authorization utility, this chapter describes messages in the range BBAPWD00 through BBAPWD99.

Messages BBAPWD00 through BBAPWD99

This group includes messages for the BMC Product Authorization utility.

<table>
<thead>
<tr>
<th>BBAPWD01</th>
<th>productID</th>
<th>BMC DATABASE IS BROKEN, CALL BMC SOFTWARE FOR TECHNICAL SUPPORT RC = nnnn</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Explanation: A problem occurred with the BMC password database for the product. The file is corrupted. You might need to rebuild it. The product will not run.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>User response: Contact BMC Customer Support.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BBAPWD02</th>
<th>productID</th>
<th>UNABLE TO FIND PASSWORD FOR THIS PRODUCT, INSTALL PASSWORD FOR PRODUCT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Explanation: No password is installed for the specified product. You must install a password before the product will run. This message can have either of the following causes:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>■ The library where the password was installed is not available to the product.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>■ The password member has been deleted.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The product will not run.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>User response: Install the product password or contact BMC Customer Support.</td>
<td></td>
</tr>
</tbody>
</table>
BBAPWD03  \textit{productID} PASSWORD LOGIC ERROR, CALL BMC SOFTWARE FOR TECHNICAL SUPPORT RC = nnnn

\textit{Explanation:} An internal error occurred in password processing. The product will not run.

\textit{User response:} Contact BMC Customer Support.

BBAPWD04  \textit{productID} I/O PROBLEM READING BMC DATABASE, CALL BMC SOFTWARE FOR TECHNICAL SUPPORT RC = nnnn

\textit{Explanation:} The specified product received an I/O error while reading the password database. The product will not run.

\textit{User response:} Contact BMC Customer Support.

BBAPWD06  \textit{productID} BMC PASSWORD NOT FOUND IN DDNAME \textit{ddname} NOR WAS IT FOUND IN STEPLIB...LINKLIST

\textit{Explanation:} The specified product attempted to locate a password to which the specified ddname points in the data set. The product was unable to open the ddname. The product was also unable to find a password in any library that is concatenated to TASKLIB, STEPLIB, JOBLIB, or in the LINKLIST. The product will not run.

\textit{User response:} Install the password in a library that is available to the product.

BBAPWD07  \textit{productID} YOUR LICENSE TO EXECUTE THIS PRODUCT WILL EXPIRE IN \textit{nn} DAYS

\textit{Explanation:} The specified product has a permanent license that will expire in the specified number of days. The product will continue to run.

\textit{User response:} Contact your BMC sales representative.

BBAPWD08  \textit{productID} YOUR GRACE PERIOD TO EXECUTE THIS PRODUCT WILL EXPIRE IN \textit{nn} DAYS

\textit{Explanation:} The specified product has begun its grace period. The grace period will expire in the specified number of days. The product will continue to run.

\textit{User response:} Contact BMC to reset your grace period.

BBAPWD09  \textit{productID} THE PRODUCT TRIAL FOR THIS PRODUCT WILL EXPIRE IN \textit{nn} DAYS

\textit{Explanation:} The trial period for the specified product will expire in the specified number of days. The product will continue to run.

\textit{User response:} Contact your BMC sales representative.
BBAPWD10  productID YOUR PRODUCT TRIAL PERIOD HAS EXPIRED, CALL BMC SOFTWARE FOR ASSISTANCE
Explanation: The trial period for the specified product has expired. The product will not run.
User response: Contact your BMC sales representative.

BBAPWD11  productID IS RUNNING ON AN UNLICENSED PROCESSOR, ACCESS IS DENIED
Explanation: The specified product is running on a processor for which it is not licensed. The product will not run.
User response: Contact your BMC sales representative.

BBAPWD12  productID IS RUNNING ON A PROCESSOR WITH TOO MANY CPUS, ACCESS IS DENIED
Explanation: The specified product is running on a processor that has more CPUs than your license allows. The product will not run.
User response: Contact your BMC sales representative.

BBAPWD13  productID YOUR LICENSE HAS EXPIRED, ACCESS IS DENIED
Explanation: The license for the specified product has expired. The product will not run.
User response: Contact your BMC sales representative.

BBAPWD14  productID IS RUNNING ON AN UNLICENSED PROCESSOR, ACCESS IS GRANTED
Explanation: The specified product is running on a processor for which the product is not licensed. The product will continue to run.
User response: Contact your BMC sales representative.

BBAPWD15  productID IS RUNNING ON A PROCESSOR WITH TOO MANY CPUS, ACCESS IS GRANTED
Explanation: The specified product is running on a processor that has more CPUs than your license allows. The product will continue to run.
User response: Contact your BMC sales representative.

BBAPWD16  productID YOUR LICENSE HAS EXPIRED, ACCESS IS GRANTED
Explanation: The license for the specified product has expired. The product will continue to run.
User response: Contact your BMC sales representative.
BBAPWD17  **productID** IS RUNNING ON AN UNLICENSED PROCESSOR, GRACE PERIOD ENDED, ACCESS IS DENIED

*Explanation:*  The specified product is running on a processor for which the product is not licensed. The product will not run.

*User response:*  Contact your BMC sales representative.

BBAPWD18  **productID** IS RUNNING ON A PROCESSOR WITH TOO MANY CPUS, GRACE PERIOD IS ENDED, ACCESS IS DENIED

*Explanation:*  The specified product is running on a processor that has more CPUs than your license allows. The product will not run.

*User response:*  Contact your BMC sales representative.

BBAPWD19  **productID** YOUR LICENSE HAS EXPIRED, GRACE PERIOD IS ENDED, ACCESS IS DENIED

*Explanation:*  The license for the specified product has expired. The product will not run.

*User response:*  Contact your BMC sales representative.

BBAPWD20  **productID** IS RUNNING ON AN UNLICENSED PROCESSOR, UNABLE TO GRANT GRACE PERIOD, ACCESS IS DENIED

*Explanation:*  The specified product is running on a processor for which the product is not licensed. An attempt was made to grant a grace period, but security prevented that update from taking place. The product will not run.

*User response:*  Contact your BMC sales representative, or authorize the product to update the load library where the password table resides.

BBAPWD21  **productID** IS RUNNING ON A PROCESSOR WITH TOO MANY CPUS, UNABLE TO GRANT GRACE PERIOD, ACCESS IS DENIED

*Explanation:*  The specified product is running on a processor that has more CPUs than your license allows. An attempt was made to grant a grace period, but security prevented that update from taking place. The product will not run.

*User response:*  Contact your BMC sales representative, or authorize the product to update the load library where the password table resides.

BBAPWD22  **productID** YOUR LICENSE HAS EXPIRED, UNABLE TO GRANT GRACE PERIOD, ACCESS IS DENIED

*Explanation:*  The license for the specified product has expired. An attempt was made to grant a grace period, but security prevented that update from taking place. The product will not run.

*User response:*  Contact your BMC sales representative, or authorize the product to update the load library where the password table resides.
BBAPWD23  productID IS RUNNING ON AN UNLICENSED PROCESSOR, GRACE PERIOD WILL EXPIRE IN nn DAYS

Explanation: The specified product is running on a processor for which it is not licensed. The grace period that was granted to you will expire in the specified number of days. The product will continue to run.

User response: Contact your BMC sales representative.

BBAPWD24  productID IS RUNNING ON A PROCESSOR WITH TOO MANY CPUs, GRACE PERIOD WILL EXPIRE IN nn DAYS

Explanation: The specified product is running on a processor that has more CPUs than your license allows. The grace period that was granted to you will expire in the specified number of days. The product will continue to run.

User response: Contact your BMC sales representative.

BBAPWD25  productID YOUR LICENSE HAS EXPIRED, GRACE PERIOD WILL EXPIRE IN nn DAYS

Explanation: The license for the specified product has expired. The grace period that was granted to you will expire in the specified number of days. The product will continue to run.

User response: Contact your BMC sales representative.

BBAPWD26  productID IS RUNNING ON AN UNLICENSED PROCESSOR, TRIAL PERIOD WILL EXPIRE IN nn DAYS

Explanation: The specified product is running on a processor for which it is not licensed. The temporary authorization that was granted to you will expire in the specified number of days. The product will continue to run.

User response: Contact your BMC sales representative.

BBAPWD27  productID IS RUNNING ON A PROCESSOR WITH TOO MANY CPUs, TRIAL PERIOD WILL EXPIRE IN nn DAYS

Explanation: The specified product is running on a processor that has more CPUs than your license allows. The temporary authorization that was granted to you will expire in the specified number of days. The product will continue to run.

User response: Contact your BMC sales representative.

BBAPWD28  productID YOUR LICENSE HAS EXPIRED, TRIAL PERIOD WILL EXPIRE IN nn DAYS

Explanation: The license for the specified product has expired. The temporary authorization that was granted to you will expire in the specified number of days. The product will continue to run.

User response: Contact your BMC sales representative.
Messages BMCBMR01 through BMCBMRAI

This group includes messages for the BMC Internet Service Retrieval (ISR).

Messages BMCBMR01 through BMCBMR99

This group includes messages for the BMC Internet Service Retrieval (ISR).

**BMCBMR30E**
Unable to establish the SYSCALL environment necessary to run this exec.

*Explanation:* BMC ISR could not connect to the SYSCALL environment.

*User response:* Establish a SYSCALL environment.

**BMCBMR31E**
Unable to set effective UID to 0. SUPERUSER authority is required to mount filesystems. Retval = returnValue

*Explanation:* The user ID did not have SUPERUSER authority, which is required to mount the file systems.

*User response:* Ensure that the user ID has SUPERUSER authority, and retry the operation.

**BMCBMR32S**
pathName bad return code errno = errorNum errojr= errorNumJr

*Explanation:* A fatal error occurred.

*User response:* Review the returned error number.

**BMCBMR33I**
pathName not created..already exists

*Explanation:* The specified path name already exists.

*User response:* No action is required.

**BMCBMR34I**
Attempting to create directory pathName

*Explanation:* BMC ISR is attempting to create the specified directory.

*User response:* No action is required.
**BMCBMR35E**  
Create failed  
\[\text{errno} = \text{errorNum} \quad \text{errnojr} = \text{errorNumJr}\]

*Explanation:* BMC ISR failed to create a directory in the file system.

*User response:* Verify that the user ID has write authority on the file system.

**BMCBMR36I**  
Create successful

*Explanation:* BMC ISR successfully created the specified directory.

*User response:* No action is required.

**BMCBMR37I**  
Set UID/GID for \text{pathName} to \text{userID} \text{groupID} successful.

*Explanation:* BMC ISR successfully set the specified path name.

*User response:* No action is required.

**BMCBMR38E**  
Set UID/GID for \text{pathName} to \text{userID} \text{groupID} unsuccessful.

*Explanation:* BMC ISR could not set the user ID and group ID to the specified path name.

*User response:* Review the file system for mount and permission issues and retry the operation.

**BMCBMR39I**  
Attempting to mount \text{fileSystem} on \text{pathName}

*Explanation:* BMC ISR is attempting to mount the file system.

*User response:* No action is required.

**BMCBMR40E**  
Mount failed  
\[\text{errno} = \text{errorNum} \quad \text{errnojr} = \text{errorNumJr}\]

*Explanation:* BMC ISR could not mount the file system mountpoint.

*User response:* Verify that the file is mounted and that the user ID and group ID have the correct permissions.

**BMCBMR41I**  
Mount successful.

*Explanation:* BMC ISR successfully mounted the file system.

*User response:* No action is required.

**BMCBMR42I**  
Attempting to create directory \text{pathName}.

*Explanation:* BMC ISR is attempting to create the specified directory.

*User response:* No action is required.

**BMCBMR43I**  
\text{DirectoryName} directory already exists in this file system. No action taken.

*Explanation:* The specified directory already exists.

*User response:* No action is required.
<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>BMCBMR44E</td>
<td>Directory creation failed errorno = errorNum errnojr = errorNumJr</td>
<td>BMC ISR could not create the new directory.</td>
<td>Review the error number to determine the cause of this error.</td>
</tr>
<tr>
<td>BMCBMR45I</td>
<td>Directory creation was successful.</td>
<td>BMC ISR successfully created the directory.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMCBMR46I</td>
<td>Set UID/GID for ISR directory pathName to userID groupID was successful.</td>
<td>BMC ISR successfully set the specified path name.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMCBMR47E</td>
<td>Set UID/GID for ISR directory pathName to userID groupID was unsuccessful.</td>
<td>BMC ISR could not set the user ID and group ID to the specified path name.</td>
<td>Review the file system for mount and permission issues and retry the operation.</td>
</tr>
<tr>
<td>BMCBMR48E</td>
<td>The installed version version of BMC ISR cannot process this service request. Update your version of BMC ISR and try retrieving the service package again.</td>
<td>To process this service request, you need an updated version of BMC ISR. The system terminates request processing.</td>
<td>Download and install the latest version of BMC ISR from the ESD FTP site and try retrieving the service package again.</td>
</tr>
<tr>
<td>BMCBMR50E</td>
<td>Unable to read ddname.</td>
<td>BMC ISR could not read the specified data set.</td>
<td>Ensure that the specified data set is available for input.</td>
</tr>
<tr>
<td>BMCBMR51E</td>
<td>Unable to write to ddname.</td>
<td>BMC ISR could not write to the specified data set.</td>
<td>Ensure that the specified data set is available for output.</td>
</tr>
<tr>
<td>BMCBMR52E</td>
<td>Unable to allocate dataSet.</td>
<td>BMC ISR could not allocate the specified data set.</td>
<td>Ensure that the specified data set is available for processing.</td>
</tr>
<tr>
<td>BMCBMR53E</td>
<td>Unable to free dataSet.</td>
<td>BMC ISR could not free the specified data set. Request processing continues.</td>
<td>Issue a TSO FREE DS (’DataSet’) command to free the data set.</td>
</tr>
</tbody>
</table>
Unable to LIBDEF *dataSet*.

Explanation: BMC ISR could not provide LIBRARY definitions for the specified data set.

User response: Ensure that the specified data set is available for LIBDEF.

Input file *ddname* is empty.

Explanation: The specified data set is empty.

User response: Ensure that the task that populates the data set completed processing.

Invalid data set name *dataSet*.

Explanation: The specified data set is an invalid data set name.

User response: Enter a valid data set name.

Not all parms present. Parm *parameter* is missing.

Explanation: The specified parameter is missing from the BMC ISR Request panel.

User response: Enter the missing parameter on the BMC ISR Request panel and press Enter.

ISR Process status information.

Explanation: This message precedes the process status information.

User response: No action is required.

ISR Process record information.

Explanation: This message precedes the process record information.

User response: Verify that the information on the panel is correct.

Invalid format for multiple line input. Record is *record*.

Explanation: In the multiple-line input that contains the specified record, the record that should contain a required equal sign is missing.

User response: Verify that the information listed on the BMC ISR Request panel is correct. If so, check the parms data set.

First input parameter must be REQ.

Explanation: BMC ISR requires that the first input parameter be REQ, but another parameter was entered first.

User response: Verify that the information on the BMC ISR Request panel is correct.
**Invalid parm value parameter.**

*Explanation:* The specified parameter is invalid. Valid parameters are REQ, CONTENT, FORTGTZONES, SUFGBL, and EMAIL.

*User response:* Specify a valid parameter.

**Duplicate parm parameter.**

*Explanation:* The request includes the specified parameter twice. You can include the parameter only once.

*User response:* Specify the named parameter once.

**Value of value is invalid for parameter REQ.**

*Explanation:* ORDER is the only value that is valid for the REQ parameter.

*User response:* Specify ORDER for the REQ parameter.

**Invalid value value is for PARM.**

*Explanation:* The specified value for the PARM parameter is invalid.

*User response:* Specify a valid value for the PARM parameter.

**Invalid value value for parameter CONTENT.**

*Explanation:* The specified value for the CONTENT parameter is invalid.

*User response:* Specify a valid value for the CONTENT parameter.

**Targetzone or Zoneset value value is not alphanumeric.**

*Explanation:* The value for the SUFGBL parameter must be the alphanumeric name of the CSI data set that contains the SMP/E GLOBAL zone. The specified value is not alphanumeric.

*User response:* Specify an alphanumeric value for the target zone or zoneset.

**Invalid length for Targetzone or Zoneset value value.**

*Explanation:* The specified target zone or zoneset name is too long. The target zone name cannot exceed 7 characters, and the zoneset name cannot exceed 8.

*User response:* Specify a name that does not exceed the maximum length.

**No value specified for EMAIL.**

*Explanation:* You are required to enter the value for the EMAIL parameter twice (the second time to verify correct entry).

*User response:* Specify a valid e-mail address for the EMAIL parameter and verify it.
**BMCBMR71E**  
**SUFGBL value value is not alphanumeric.**  
*Explanation:* The value for the SUFGBL parameter must be the alphanumeric name of the CSI data set that contains the SMP/E GLOBAL zone. The specified value is not alphanumeric.  
*User response:* Specify an alphanumeric SUFGBL value.

**BMCBMR72E**  
**The length of the SUFGBL value value exceeds 44 characters.**  
*Explanation:* The SUFGBL parameter indicates the CSI data set that contains the SMP/E GLOBAL zone. The specified value for the SUFGBL parameter is too long. The value cannot exceed 44 characters.  
*User response:* Specify a valid SUFGBL value that does not exceed 44 characters.

**BMCBMR73E**  
**Parms data set invalid. Must contain both SUFGBL and TGTZONE record**  
*Explanation:* A parms data set, used for input processing, did not contain both a SUFGBL and a TGTZONE record.  
*User response:* Specify a valid parms data set for processing.

**BMCBMR74E**  
**The PUT value value is not in the format PUT yy0rx (r=1 or 2, x=A or B)**  
*Explanation:* The specified value for the PUT parameter is invalid.  
*User response:* Enter a valid PUT value. Use the format PUT yy0rx, where yy is the last two digits of the calendar year, r is 1 or 2, and x is A or B. Specify 1A for service delivered in February, 1B for May, 2A for August, and 2B for November.

**BMCBMR75E**  
**The value 0r of PUT yy0rx in value must be 01 or 02.**  
*Explanation:* The specified value for the PUT parameter is invalid.  
*User response:* Enter a valid PUT value. Use the format PUT yy0rx where yy is the last two digits of the calendar year, r is 1 or 2, and x is A or B. Specify 1A for service delivered in February, 1B for May, 2A for August, and 2B for November.

**BMCBMR76E**  
**The value x of PUT yy0rx in value must be A or B.**  
*Explanation:* You specified an invalid value for the PUT parameter.  
*User response:* Enter a valid PUT value. Use the format PUT yy0rx where yy is the last two digits of the calendar year, r is 1 or 2, and x is A or B. Specify 1A for service delivered in February, 1B for May, 2A for August, and 2B for November.

**BMCBMR77E**  
**Invalid comment format in line lineNumber**  
*Explanation:* The comment in the specified line is formatted incorrectly.  
*User response:* Use /* to begin the comment and */ to end it.
**BMCBMR78E**  
**PTF or APAR value value is not alphanumeric.**  
*Explanation:* The PTF or APAR value must be alphanumeric.  
*User response:* Enter a valid PTF or APAR value.

**BMCBMR79E**  
**The length of PTF or APAR value value is not 7 characters.**  
*Explanation:* The PTF or APAR value must be 7 characters.  
*User response:* Enter a valid PTF or APAR value.

**BMCBMR80E**  
**Excessive leading parentheses in value.**  
*Explanation:* The specified value has too many leading (opening) parentheses.  
*User response:* Delete the extra parentheses.

**BMCBMR81E**  
**Nonmatching parentheses in value.**  
*Explanation:* The specified value has at least one parenthesis with no match (for example, an opening parenthesis without a closing parenthesis).  
*User response:* Edit the value to ensure that every parenthesis is part of a matched pair.

**BMCBMR82E**  
**`=` sign missing in the parameter line line.**  
*Explanation:* In the specified line, the parameter's equal sign is missing.  
*User response:* Include the equal sign in the proper location in the specified line.

**BMCBMR83E**  
**Invalid quote character found in column column of line line.**  
*Explanation:* In the specified column, the specified line includes a quotation mark. The quotation mark is not a valid entry.  
*User response:* Remove the quotation mark.

**BMCBMR86E**  
**Invalid format in Zonedef line record. Keyword entry must be first record.**  
*Explanation:* The returned values following a Zonedef search are not in the correct format, or an incorrect data set is being used as input.  
*User response:* Contact BMC Customer Support.

**BMCBMR88E**  
**Keyword prodList not found in input file.**  
*Explanation:* The specified keyword was not found in the data set that was created in the stepxtr step of the extraction job.  
*User response:* Verify that the step ran correctly. If necessary, change the disposition of TRXIN step STEPDRX to OLD, CATLG and rerun the job. Then, browse the 'FMIDTMP' data set.
Unable to get time from system.

Explanation: BMC ISR was unable to retrieve the time from the system.

User response: Retry the process (interactive or batch) that was executing when BMC ISR presented this message. If the application continues to fail, contact BMC Customer Support.

Unable to create incomingPath.

Explanation: BMC ISR was unable to create the specified path due to insufficient authority or because the mount point for the path was incorrect.

User response: Ensure that you have superuser authority to issue commands for UNIX System Services (USS), including write access to the frombmc directory. Then, verify the following items:

- The mount point for the specified path is the same one that you created in the HFS or ZFS allocation job.
- HFS or ZFS is mounted and active in USS.
- HFS or ZFS has ample space to process the request.

For more information, see the z/OS V1R9.0 UNIX System Services Messages and Codes manual from IBM.

Unable to create outgoingPath.

Explanation: BMC ISR was unable to create the specified path due to insufficient authority or because the mount point for the path was incorrect.

User response: Ensure that you have superuser authority to issue commands for UNIX System Services (USS), including write access to the tobmc directory. Then, verify the following items:

- The mount point for the specified path is the same one that you created in the HFS or ZFS allocation job.
- HFS or ZFS is mounted and active in USS.
- HFS or ZFS has ample space to process the request.

For more information, see the z/OS V1R9.0 UNIX System Services Messages and Codes manual from IBM.
Unable to delete incomingPath.

Explanation: BMC ISR was unable to delete the specified path due to insufficient authority or because the HFS mount point for the path was incorrect.

User response: Ensure that you have superuser authority to issue commands for UNIX System Services (USS), including delete access to the frombmc directory. Then, verify the following items:

- The mount point for the specified path is the same one that you created in the HFS or ZFS allocation job.
- HFS or ZFS is mounted and active in USS.

For more information, see the z/OS V1R9.0 UNIX System Services Messages and Codes manual from IBM.

Unable to delete outgoingPath.

Explanation: BMC ISR was unable to delete the specified path due to insufficient authority or because the mount point for the path was incorrect.

User response: Ensure that you have superuser authority to issue commands for UNIX System Services (USS), including delete access to the tobmc directory. Then, verify the following items:

- The mount point for the specified path is the same one that you created in the HFS or ZFS allocation job.
- HFS or ZFS is mounted and active in USS.

Messages BMCBMRA1 through BMCBMRAI

This group includes messages for the BMC Internet Service Retrieval (ISR).

No pathName_or_HLQ name specified.

Explanation: A required path name or high-level qualifier (HLQ) is missing in the BMRRSR12 program execution step.

User response: In the first parameter of the execution step, specify the required path name or HLQ as follows:

- If LOCN = ACUST or ABMC and Action Type = MKZIP, specify a data set HLQ.
- If LOCN = ACUST and Action Type = UNZIP, specify the path name for the frombmc directory.
If LOCN = ABMC and Action Type = UNZIP, specify the path name for the incoming directory.

**BMCBMRA2E**  
**No HLQ for file names specified.**

*Explanation:* A required HLQ is missing in the BMRRSR12 program execution step.

*User response:* In the second parameter of the execution step, specify a valid data set HLQ.

**BMCBMRA3E**  
**No REQID name specified.**

*Explanation:* A required request ID is missing in the BMRRSR12 program execution step.

*User response:* In the third parameter of the execution step, ensure that the request ID is valid.

**BMCBMRA4E**  
**GIMZIP Action Type is blank.**

*Explanation:* The Action Type parameter (fourth input parameter in the BMRRSR12 program execution step) is blank. This parameter requires a value.

*User response:* Specify one of the following values for the action type: ZIP, UNZIP, GTPKG, MKZIP, or MKUNZIP.

**BMCBMRA5E**  
**GIMZIP Action Type is not ZIP, UNZIP, GTPKG, MKZIP, or MKUNZIP**

*Explanation:* The Action Type parameter (fourth input parameter in the BMRRSR12 program execution step) does not specify a valid value.

*User response:* Specify one of the following values for the action type:

- If LOCN = ACUST, specify MKZIP or MKUNZIP.
- If LOCN = ABMC, specify ZIP, UNZIP, or GTPKG.

**BMCBMRA6E**  
**LOCN Type is blank**

*Explanation:* The LOCN parameter (last input parameter in the BMRRSR12 program execution step) is blank.

*User response:* Specify one of the following values for the LOCN parameter: ACUST (at customer) or ABMC (at BMC).

**BMCBMRA7E**  
**LOCN Type is not ACUST or ABMC**

*Explanation:* The LOCN parameter (last input parameter in the BMRRSR12 program execution step) is not ACUST or ABMC.

*User response:* Specify one of the following values for the LOCN parameter: ACUST (at customer) or ABMC (at BMC).
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</thead>
<tbody>
<tr>
<td>BMCBMRA8E</td>
<td><strong>Syscall environment error RC=returnCode</strong></td>
<td>The Syscall environment contains errors. See the return code for additional explanation.</td>
<td>Ensure that BMC ISR is running on a system that supports Syscall commands for UNIX System Services (USS).</td>
</tr>
<tr>
<td>BMCBMRA9E</td>
<td><strong>Unable to open pathName</strong></td>
<td>BMC ISR could not read the specified path due to insufficient authority or because the HFS mount point for the path is incorrect.</td>
<td>Ensure that you have the proper authority to issue commands for Unix System Services (USS), including read and write access to the specified directory.</td>
</tr>
<tr>
<td>BMCBMRAAE</td>
<td><strong>No files were found to zip</strong></td>
<td>Either BMC ISR could not find <code>HLQ.TOBCMC</code>, or the file has an invalid format.</td>
<td>Ensure that the extract job completed successfully and that BMC ISR created <code>HLQ.TOBCMC</code>. Also, ensure that <code>HLQ.TOBCMC</code> contains member IPARMS.</td>
</tr>
<tr>
<td>BMCBMRABE</td>
<td><strong>Unable to write SYSERR error records.</strong></td>
<td>BMC ISR was unable to write errors to DD SYSERR because DD SYSERR was unavailable.</td>
<td>Ensure that DD SYSERR is available during the BMRRSR12 and BMRRMKDR execution steps.</td>
</tr>
</tbody>
</table>
Messages BMCAPT0000 through BMCAPT0299

This chapter includes messages for the High-speed Apply Engine product, and because High-speed Apply is a component of the Recovery Management for DB2 product, for Recovery Management as well.

Messages BMCAPT0000 through BMCAPT0099

This group includes messages for the High-speed Apply Engine product.

BMCAPT0000I  productName versionNumber Copyright (c) 1999-2008 BMC Software, Inc. as an unpublished licensed work. All rights reserved.

Explanation: This message displays the name, version number, and copyright information for High-speed Apply. Processing continues.

User response: No action is required.

BMCAPT0001I  Date: dateValue

Explanation: This informational message contains the current date. Additional messages provide more information. The surrounding messages provide the context for the date. Processing continues.

User response: No action is required.

BMCAPT0003I  messageText

Explanation: The text of this message contains output from external facilities that are used by High-speed Apply, including SQL or the interface to the database. Processing continues.

User response: No action is required.

BMCAPT0004S  DB2 connect failed for {ssid|groupName}

Explanation: This message is for DB2 only.
High-speed Apply tried to connect with the specified DB2 subsystem or data sharing group by using the DB2 CAF. The connection cannot be established. The ssid or groupName identifies the DB2 subsystem or group attachment name that cannot be connected. Processing terminates.

User response: Verify that the name that is listed in the message is a valid DB2 subsystem or data sharing group. If the subsystem or group does not exist, you must specify a valid name in the apply request or configuration file.

If the name that is listed in the message is valid, determine whether the error might be the result of a problem with the DB2 subsystem or data sharing group. If you need assistance, contact BMC Customer Support.

BMCAPT0005W DB2 disconnect failed for {ssid|groupName}
Explanation: This message is for DB2 only.

High-speed Apply cannot terminate the DB2 CAF connection to the specified DB2 subsystem or data sharing group. The ssid or groupName identifies the DB2 subsystem or group attachment name that cannot be disconnected. This message applies only to DB2 for mainframe targets. Processing continues.

User response: No action is required. However, the open CAF connection could cause an error if High-speed Apply needs to open a new connection to the specified subsystem or data sharing group.

BMCAPT0006S Plan open failed for planName on {ssid|groupName}
Explanation: This message is for DB2 only.

High-speed Apply cannot open the specified DB2 subsystem or data sharing group by using the plan name that is indicated in the message. Processing terminates.

User response: Verify that the plan name and the DB2 subsystem ID or group name are valid. If the plan, subsystem, or group does not exist, you must specify a valid name in the apply request or configuration file.

If the specified names are valid, determine whether the DB2 CAF is running and whether the specified DB2 subsystem is active.

BMCAPT0007W Plan close failed for planName on {ssid|groupName}
Explanation: This message is for DB2 only.
High-speed Apply cannot close the specified DB2 subsystem or data sharing group by using the plan name that is displayed in the message. Processing continues.

User response: No action is required. However, the open plan can cause an error if High-speed Apply tries to open the plan again.

BMCAPT0008I Unexpected SQLCODE: SQLCode text follows: text
Explanation: High-speed Apply received an unexpected result for an SQL statement. The SQL code indicates the type of error that might have occurred. The text describes the result. Processing continues.
User response: No action is required. However, you should determine whether the unexpected result affects the apply request and take appropriate action, based on your assessment.

BMCAPT0009W Extract failed for error message data - RC: returnCode Any available text follows: text
Explanation: High-speed Apply received an unexpected result for an SQL statement. It tried to retrieve the text that describes the error from DB2, but the attempt failed. The message contains any text that was retrieved. Processing continues.
User response: No action is required. However, you should determine whether the SQL statement that caused the message needs to be corrected or whether the results are acceptable for the apply request.

BMCAPT0010E Previous errors prevent continuation - see preceding message(s)
Explanation: High-speed Apply cannot continue processing. The messages that preceded this one provide more information about the errors that occurred. Processing terminates.
User response: Use the explanations for the preceding messages to diagnose and correct the problem. If you need assistance, contact BMC Customer Support.

BMCAPT0011I Unexpected Oracle error Error text follows: text
Explanation: This message is for Oracle only.
High-speed Apply received an unexpected result when it tried to execute an SQL statement. The text in the message provides more information about the result. Processing continues.
User response: No action is required. However, you should determine whether the SQL statement that caused the message needs to be corrected, or whether the results are acceptable for the apply request.

BMCAPT0012S Invalid parameter passed for Oracle processing
Explanation: This message is for Oracle only.
High-speed Apply received a parameter that is invalid for the Oracle apply request. Additional messages contain details about the invalid parameter. Processing terminates.

*User response:* Use the information in the messages to diagnose and correct the problem. Then, run the apply request again.

**BMCA0013U**  
**Create Instance failed: ComId nnnn CLSID nnnn IID nnnn HRESULT nnnn**

*Explanation:* High-speed Apply encountered an internal error during processing. High-speed Apply requires one of its internal parts (modules), but that module is not currently available. Many possible reasons exist for this problem, including installation problems or other failures in your environment. To determine the missing module, contact BMC Customer Support. Processing terminates.

For DB2 on mainframe targets, this message indicates that High-speed Apply cannot find the module in the STEPLIB concatenation.

*User response:* Contact BMC Customer Support.

**BMCA0014U**  
**Query Interface failed: ComId nnnn IID nnnn HRESULT nnnn**

*Explanation:* An internal error occurred during processing. This error might be because of a failed or corrupted installation. Processing terminates.

*User response:* Contact BMC Customer Support.

**BMCA0015U**  
**Interface error: ComId nnnn HRESULT nnnn**

*Explanation:* An internal error occurred during processing. This error might be because of a failed or corrupted installation. Processing terminates.

*User response:* Contact BMC Customer Support.

**BMCA0016I**  
**File: fileName**

*Explanation:* The message displays a file name or data set name that is associated with other messages. For example, this message might follow BMCA0017W. The action that High-speed Apply takes depends on the accompanying messages.

*User response:* No action is required. However, the accompanying messages might require you to take more action to resolve them.

**BMCA0017W**  
**I/O Error - ECB abnormal completion code: X’returnCode’**

*Explanation:* This message is for DB2 only.

An I/O operation on a file completed abnormally with the specified return code. A message containing the file name follows. Processing continues.

*User response:* No action is required. However, you might need to resolve the I/O operation that failed if the file must be used again.
Authorization switch failed - RC: returnCode, function: function

Explanation: This message is for DB2 only.

The configuration information for the apply request requires that RACF authority be used to open DB2 data sets. The attempt to switch to RACF authority failed. Processing continues, but parts of the apply request might fail.

User response: If your system does not use RACF, change the configuration to use the authority of the user ID that issues the apply request. The specified user ID must have authorization for all DB2 data sets that the apply request accesses.

File ddname: dataSetName allocated - elapsed time: hh: mm: ss

Explanation: This message is for DB2 only.

High-speed Apply dynamically allocated the specified data set in the displayed amount of time. The elapsed time is shown as \( hh: mm: ss \). \( hh \) represents the number of hours, \( mm \) is the number of minutes, and \( ss \) is the number of seconds. Processing continues.

User response: No action is required.

File ddname: dataSetName deallocated

Explanation: This message is for DB2 only.

High-speed Apply dynamically deallocated the specified data set. Processing continues.

User response: No action is required.

File deallocation failed

Explanation: This message is for DB2 only.

A data set cannot be dynamically deallocated. The message that follows contains the name of the data set. Processing continues. The data set remains allocated until the apply request ends.

User response: No action is required.

File allocation failed

Explanation: This message is for DB2 only.

A data set cannot be dynamically allocated. The message that follows contains the name of the data set. Additional messages provide details about any error conditions that might exist. The system action depends on the processing...
requirements for the data set that cannot be allocated. If processing continues, any attempts to access the deallocated data set will fail.

*User response:* Use the information in the subsequent messages to diagnose and correct the problem. If you need assistance, contact BMC Customer Support.

**BMCAPT0023W** **Extract failed for allocation messages - RC: returnCode, reason code: reasonCode, function: function**

*Explanation:* This message is for DB2 only.

High-speed Apply encountered an operating system allocation error, but it cannot return the messages that the operating system issued. The action of High-speed Apply depends on the circumstances that caused the warning to be issued. If processing continues, more errors might be encountered.

*User response:* No action is required. If this warning persists, contact BMC Customer Support.

**BMCAPT0024E** **Unknown Table: tableName**

*Explanation:* The specified table cannot be found in the catalog. Processing terminates.

*User response:* Correct the configuration file for the apply request so that the table name that you specify refers to a table that exists in the catalog. Then, run the request again.

**BMCAPT0025I** **Total input records processed: nnnnn**

*Explanation:* This message informs you of the number of records that High-speed Apply processed from the input file. Processing continues.

*User response:* No action is required.

**BMCAPT0026W** **File open failed**

*Explanation:* A failure occurred in an I/O open operation. Message BMCAPT0016I follows this message and identifies the file that caused the error. Processing continues, but more errors can occur if the file is required for the apply request.

*User response:* Review any related errors for more information about the problem. If you need assistance, contact BMC Customer Support.

**BMCAPT0027W** **File close failed**

*Explanation:* A failure occurred in an I/O close operation. Message BMCAPT0016I follows this message and identifies the file that caused the error. Processing continues, but the specified file remains open. More errors could occur if another request or application tries to open the file.

*User response:* Review any related errors for more information about the problem. If you need assistance, contact BMC Customer Support.
**BMCAPT0028W**  File write failed

*Explanation:* A failure occurred in an I/O write operation. Message BMCAPT0016I follows this message and identifies the file that caused the error. Processing continues, but the file cannot be updated. More errors might be issued.

*User response:* Review any related errors for more information about the problem. If you need assistance, contact BMC Customer Support.

**BMCAPT0029W**  File read failed

*Explanation:* A failure occurred in an I/O read operation. Message BMCAPT0016I follows this message and identifies the file that caused the error. Processing continues, but the file cannot be read. More errors might be issued.

*User response:* Use the surrounding messages to help diagnose the problem. If you need assistance, contact BMC Customer Support.

**BMCAPT0030W**  BIND failed: *returnCode*

*Explanation:* A failure occurred when High-speed Apply tried to bind a package, a plan, or a bind file for the apply request. The specified return code resulted from the bind attempt. Processing continues. More messages might be issued.

*User response:* Use the surrounding messages to help diagnose the problem. If you need assistance, contact BMC Customer Support.

**BMCAPT0031W**  FREE failed with DSN RC: *returnCode*

*Explanation:* This message is for DB2 only.

A failure occurred when High-speed Apply tried to free a package or plan after completing the apply request. The specified return code resulted from the attempt. Processing continues, but the plan or package is not freed. Other messages provide more information about the error.

*User response:* If necessary, you can issue the FREE command to free the package or plan bound by the apply request. If you need assistance, contact BMC Customer Support.

**BMCAPT0032I**  DSN output follows: *text*

*Explanation:* This message is for DB2 only.

High-speed Apply issued a DB2 command that resulted in the specified *text*. Processing continues.

*User response:* Use the *text* to determine the actions that you need to perform, if any. If you need assistance, contact BMC Customer Support.
**BMCAPT0033W**  *fileName File has no data for processing*

Explanation: The specified input file cannot be processed because it does not contain any data records that High-speed Apply recognizes. The file might be empty, or it might contain only comments. Processing terminates.

User response: Edit the configuration to specify an input file that contains data records. Then, run the apply request again.

**BMCAPT0034E**  *Invalid Logical Log control file - unknown record type recordType*

Explanation: This message is for DB2 only.

The configuration specified a logical log file as input to the apply request. The control file for the logical log has a record type that High-speed Apply does not recognize or cannot process. Processing continues, but the apply request might not succeed.

User response: Correct the record type in the logical log file, and run the apply request again.

**BMCAPT0035E**  *Invalid Logical Log control file - Missing or Invalid control record recordType*

Explanation: This message is for DB2 only.

The configuration specified a logical log file as input to the apply request. High-speed Apply expected to find the specified record in the control file, but the record is missing or invalid. Processing terminates.

User response: Correct the record type in the logical log file, and run the apply request again.

**BMCAPT0036E**  *Invalid Logical Log control file - unknown object type objectType for Logical Log Table Description Record*

Explanation: This message is for DB2 only.

A table object was specified in the logical log file with an object type other than TB. High-speed Apply requires that tables have the TB object type. Processing continues, but the apply request might not succeed.

User response: Correct the object type in the logical log file, and run the apply request again.

**BMCAPT0037U**  *Terminating due to component failure*

Explanation: A module of High-speed Apply failed with an unrecoverable, internal error. Processing terminates.

User response: If you need assistance, contact BMC Customer Support.
BMCAPT0038E Invalid Logical Log control file - unknown date format `dateFormat` for Logical Log data set

Explanation: This message is for DB2 only.

The logical log data file contained data in a date format that High-speed Apply did not recognize or cannot support. Valid formats are DB2I or SASTIME. DB2I represents DB2's internal date/time format (YYYY-MM-DD-hh:mm:ss.nnnnnn). SASTIME represents a date and time format compatible with software developed by the SAS Institute Inc. (YYYY/MM/DD/hh:mm:ss.nnnnnn). Processing terminates.

User response: Correct the date format indicator in the logical log file, and run the apply request again.

BMCAPT0039E Invalid Logical Log control file - unknown expand var value `expValue` on Logical Log Data Set record

Explanation: This message is for DB2 only.

The logical log control file contained a value for the Expand Var field that High-speed Apply does not recognize. Valid settings for the field are Y or N. Processing terminates.

User response: Correct the Expand Var field setting in the logical log control file, and run the apply request again.

BMCAPT0040W Mass delete record `statementID` ignored during UNDO processing

Explanation: This message is for DB2 only.

The input file contained a mass deletion record. High-speed Apply cannot process a mass delete action because the information about the deleted records is not available. For more information about the statement ID, see the High-speed Apply technical documentation. Processing continues. The specified record is not processed.

User response: Remove the mass deletion record from the input file, and run the apply request again.

BMCAPT0041E File open failed on file `fileName`

Explanation: High-speed Apply cannot open the specified file. Processing terminates.

User response: Determine whether the file exists and whether it is cataloged. Verify that the file has not been left open by an previous operation, and that it is not corrupted. Correct the file name in the configuration for the apply request if necessary. If the file appears to be correct, but the message persists, contact BMC Customer Support.
**BMCAPT0042E**  
*inputSource read failed*

*Explanation:* High-speed Apply cannot read data from the specified input source. The value of *inputSource* can be File or Internal. A value of File represents a disk file, and a value of Internal represents an internal read action (either within High-speed Apply, or when it works in conjunction with other software).

If the input source is a file, High-speed Apply displays another message to indicate the file name before processing terminates. If the error occurs during an internal read action, processing terminates.

*User response:* Your response depends on the input source:

- If the input source is a file, determine why the input source cannot be read. A file might be corrupted, or some other problem can cause this error. Use the surrounding messages to help you diagnose the problem. If you need assistance, contact BMC Customer Support.

- If the error occurs during an internal read action, contact BMC Customer Support.

**BMCAPT0043E**  
**Invalid Logical Log control file - unsupported source on XTYP record**

*Explanation:* This message is for DB2 only.

The configuration specifies that the input type for the apply request is a Log Master logical log file. The input specified in the configuration is not a logical log control file or the XTYP record type within the file is invalid. Processing terminates.

*User response:* Verify that the input file name is correct in the configuration file or in the apply request. Verify that the XTYP record is the first record in the logical log control file. If you need assistance, contact BMC Customer Support.

**BMCAPT0044E**  
**Invalid Logical Log control file - unsupported version v. r. mm**

*Explanation:* This message is for DB2 only.

High-speed Apply does not recognize or cannot support the Log Master version number (*v.r.mm*) found in the logical log control file. Processing terminates.

*User response:* Use a supported version of Log Master to create the input file. Alternatively, you can use Log Master to generate SQL that performs the tasks that you wanted to accomplish by using the logical log file. Then, use the generated SQL as the input for High-speed Apply. If you need assistance, contact BMC Customer Support.
**Invalid Logical Log control file - unknown column columnName for table tableName**

*Explanation:* This message is for DB2 only.

High-speed Apply cannot find the specified column in the specified table. Processing terminates.

*User response:* Correct the column name in the input file or in the configuration file. Then, run the apply request again. If you need assistance, contact BMC Customer Support.

**SQL Statement statementNumber exceeds maximum length of length**

*Explanation:* The input SQL statement is too long. The statementNumber is the line number of the statement in the input file. Processing terminates.

*User response:* Correct the SQL statement so that its length falls within the acceptable limit, then restart the apply request. If you need assistance with the restart, contact BMC Customer Support.

**TABLE STATISTICS - owner. tableName**

*Explanation:* This informational message provides performance and statistical data. The message summarizes the number and type of SQL statements that High-speed Apply is executing against one table. High-speed Apply gathers the statistics for this message as it processes the input file. Depending on the number of conflicts that occur during processing, the statement counts in this message might not match the number of statements that are committed against the database.

High-speed Apply displays this message once for each table that is affected by the apply request. Processing continues.

*User response:* No action is required.

**PARTITION STATISTICS - owner. tableName**

*Explanation:* This informational message provides performance and statistical data. The message summarizes the number and type of SQL statements that High-speed Apply has executed against one partition in a partitioned table space. High-speed Apply gathers the statistics for this message as it processes the input file. Depending on the number of conflicts that occur during processing, the statement counts in this message might not match the number of statements that are committed against the database.

High-speed Apply displays this message only when it distributes work between multiple agents based on partitions (logical or physical). It displays this message once for each partitioned table that is affected by the apply request, and includes one line of message output for each partition.
If you are processing logical log input and the partitioning limit keys of the target table are different than those of the source table from which the input was generated, the statistics this message might not accurately reflect the distribution of work for each partition.

Processing continues.

**User response:** No action is required.

**BMCAPT0049S**  
**High-speed Apply Engine Internal error - Options mismatch code option01-option02**

**Explanation:** High-speed Apply encountered a severe internal error. Processing terminates.

**User response:** If you need assistance, contact BMC Customer Support.

**BMCAPT0050E**  
**Failure locating license information. Code: returnCode**

**Explanation:** High-speed Apply cannot locate the BMC security table in the default search libraries. Processing terminates.

**User response:** Verify that the license (permanent or trial) for High-speed Apply was implemented correctly. If you need assistance, contact BMC Customer Support.

**BMCAPT0051E**  
**Failure accessing license information. Code: returnCode**

**Explanation:** High-speed Apply cannot verify its authorization. Processing terminates.

**User response:** Use the surrounding messages to help diagnose the problem. If you need assistance, contact BMC Customer Support.

**BMCAPT0052W**  
**High-speed Apply Engine trial will expire in nnnn days**

**Explanation:** High-speed Apply trial or grace period will end after the specified number of days. Processing continues.

**User response:** No action is required. To obtain a permanent license, contact your BMC sales representative.

**BMCAPT0053E**  
**Trial has expired. High-speed Apply Engine is not licensed on this system**

**Explanation:** High-speed Apply trial period has expired, and a permanent password has not been established for the system where you ran the apply request. Processing terminates.

**User response:** To obtain a permanent license, contact your BMC sales representative.
BMCAPT0054W  High-speed Apply Engine license will expire in nnnn days
Explanation: The permanent license for High-speed Apply will expire after the
specified number of days, unless you renew the license with BMC. Processing
continues.
User response: To renew the permanent license, contact your BMC sales
representative.

BMCAPT0055E  License has expired. High-speed Apply Engine is not licensed on this system
Explanation: The permanent license for High-speed Apply has expired. You
must renew the license with BMC. Processing terminates.
User response: To renew the permanent license, contact your BMC sales
representative.

BMCAPT0056E  High-speed Apply Engine is not licensed on this system
Explanation: You tried to run High-speed Apply on a system that has not been
licensed for it. Processing terminates.
User response: Either obtain a license for the current system or run High-speed
Apply on an authorized system. To obtain additional licenses, contact your
BMC sales representative.

BMCAPT0057I  Agent: agentID Statements nnnn Tables nnnn Indexes nnnn Objects nnnn
Explanation: This message displays statistics for the apply request. Processing
continues.
User response: No action is required.

BMCAPT0058W  Configuration warning - Duplicate item parameterName in section
sectionName value secondValue, using first value found firstValue
Explanation: High-speed Apply encountered two values in the configuration
file for a parameter that should only be specified once. The message text
includes the parameter and section names for the duplicated value. Processing
continues. High-speed Apply uses the first value found for the duplicated
parameter.
User response: No action is required. To prevent this message, remove one of
the parameter specifications from the configuration file.

BMCAPT0059E  Configuration error - Invalid value value for item parameterName in section
sectionName
Explanation: The value displayed in the message is not valid for the specified
parameterName. The value might be incorrect, the name of the parameter might
be spelled incorrectly, or the parameter might be included within an incorrect
section. Processing terminates.
User response: Correct the configuration file, and run the apply request again.
For more information about the specified parameter, see the High-speed Apply
technical documentation.
**BMCAPT0060E**  
Configuration error - Invalid item `parameterName` with value `value` in section `sectionName`  
*Explanation:* The specified `parameterName` is incorrect. The name might be misspelled, or the parameter might be included under the wrong section heading. Processing terminates.  
*User response:* Correct the configuration file, and run the apply request again. For more information about configuration parameters, see the High-speed Apply technical documentation.

**BMCAPT0061U**  
Configuration internal error - Code `errorCode`  
*Explanation:* An internal error occurred when High-speed Apply processed the configuration file. Processing terminates.  
*User response:* Record the specified `errorCode`, and note any other messages or diagnostic information associated with this message. Then, contact BMC Customer Support.

**BMCAPT0062E**  
Configuration error - Invalid section `sectionName`  
*Explanation:* The specified `section` is not valid. The name might be misspelled, or you might have misplaced a section-name indicator in the configuration file. Processing terminates.  
*User response:* Correct the configuration file, and run the apply request again. For more information about specifying section names, see the High-speed Apply technical documentation.

**BMCAPT0063E**  
Configuration error - Missing section `sectionName`  
*Explanation:* High-speed Apply cannot find the specified `section`. If the section is required, processing terminates. Otherwise, processing continues, and High-speed Apply uses the default values (if any) for the parameters in the missing section.  
*User response:* Check the configuration file for possible misspellings or other errors. If necessary, add the specified section to the configuration file. Then, run the apply request again.

**BMCAPT0064E**  
Configuration error - Missing item `parameterName` in section `sectionName`  
*Explanation:* High-speed Apply cannot find a value for the specified `parameterName` in the configuration information for the current apply request. If the parameter is required, processing terminates. Otherwise, processing continues, and High-speed Apply uses the default value (if any) for the missing parameter.  
*User response:* Check the configuration file for possible misspellings or other errors. If necessary, add the specified parameter to the configuration file. Then, run the apply request again.
BMCAPT0065E  Configuration error - Invalid value for item parameterName in section sectionName

Explanation: The value for the specified parameterName is incorrect. If the parameter is required, processing terminates. Otherwise, processing continues, and High-speed Apply uses the default value (if any) for the missing parameter.

User response: No action is required unless the parameter is required. To prevent the message from occurring, correct the configuration file by specifying a valid value for the specified parameter. Then, run the apply request again. For more information about parameter values, see the High-speed Apply technical documentation.

BMCAPT0066I  Input processing complete

Explanation: This informational message indicates that High-speed Apply has processed all of the SQL statements or logical log records in the input file. Processing continues.

User response: No action is required.

BMCAPT0067I  Request completed Return code: returnCode

Explanation: High-speed Apply completed the apply request with the return code shown. A return code of zero indicates that the request was completed with no warnings or errors. For more information about the return codes that are issued by High-speed Apply, see the High-speed Apply technical documentation. Processing ends normally.

User response: No action is required.

BMCAPT0068I  CONFLICT SKIP STATISTICS

Explanation: This informational message provides performance and statistical data. The message summarizes the number and type of SQL statements that High-speed Apply skipped (did not process) because the Action parameter that is specified in a conflict resolution rule was SkipUR or Skip. High-speed Apply includes one line of message output for each agent that it uses during an apply request. Processing continues.

User response: No action is required.

BMCAPT0069S  Internal Error - File fileName Line nnnn

Explanation: An internal error occurred during processing. Processing terminates.

User response: Note the fileName and line number (nnnn) shown in the message. Record any other error messages, trace messages, or dump information that High-speed Apply issues for this error. Then, contact BMC Customer Support.
**BMCAPT0070I**  
**Diagnostics: text**

*Explanation:* High-speed Apply issues this message to display diagnostic information about an internal error. Processing continues, but more messages might be issued.

*User response:* Use the text of this message and the information in surrounding messages to determine whether a problem exists that you can correct. If you need assistance, contact BMC Customer Support.

**BMCAPT0071E**  
**Bind failed for: planOrPackageName**

*Explanation:* This message is for DB2 only.

The BIND command for the specified plan or package failed. High-speed Apply requires this plan or package to continue processing the apply request. Processing terminates.

*User response:* Examine the messages preceding this one to determine the cause of the failure. Correct the problem, and run the apply request again.

If the preceding messages indicate authorization problems, one possible cause of this error condition is that the primary ID of the user that runs High-speed Apply does not have sufficient authority to bind plans, packages, or collections. Consider using the AuthID parameter to provide High-speed Apply with the required authority. For more information about authorization requirements, see the High-speed Apply technical documentation.

If you need assistance, contact BMC Software Customer Support.

**BMCAPT0072E**  
**Bind failure threshold of nnnn has been exceeded**

*Explanation:* This message is for DB2 only.

The apply request has exceeded the value that is specified for the MaxFailedBinds parameter. Processing terminates.

*User response:* Review the contents of the error and display output files for messages about the bind operations. Use the information in the messages to determine why the bind operations failed. To correct the problem, you can

- try to minimize the number of bind operations that fail
- increase the value specified for the MaxFailedBinds parameter

Then, run the apply request again.

**BMCAPT0073E**  
**Command processor attach failed for DSN RC: returnCode**

*Explanation:* This message is for DB2 only.
An attempt to attach the DSN command processor for DB2 BIND processing failed with the specified returnCode. Processing terminates.

User response: Contact BMC Customer Support. For a description of the return code, consult the appropriate IBM DB2 technical documentation.

**BMCAPT0074E**

**Messaging internal error - Requested buffer length too large**

*Explanation:* High-speed Apply encountered a request for a buffer length that is larger than the buffer pools specified for the apply request. Buffer pools are preconfigured as standard default values. You do not normally specify the size of the buffer pools. Processing terminates.

*User response:* Contact BMC Customer Support.

**BMCAPT0075E**

**Messaging internal error - The buffer pool for requested buffer length is empty**

*Explanation:* High-speed Apply cannot process a request for a buffer length because the requested buffer pool is empty. The maximum buffer pool size is preconfigured as a standard default value. You do not normally specify this value. Processing terminates.

*User response:* Contact BMC Customer Support.

**BMCAPT0076E**

**Messaging internal error - MsgQueue not found.**

*Explanation:* High-speed Apply has encountered an internal error because it cannot find a message queue that it requires. Processing terminates.

*User response:* Record the groupID, componentID, and agentID shown in the message, and note any other messages or diagnostic information associated with this message. Then, contact BMC Customer Support.

**BMCAPT0077E**

**Messaging Warning - Subscription active at termination.**

*Explanation:* High-speed Apply stopped processing apply requests, but the specified agent has not terminated. This is an internal error. All other processing terminates. The specified agent remains in an unstable condition.

*User response:* Contact BMC Customer Support.

**BMCAPT0078E**

**Messaging internal error - Blocking is restricted at current state**

*Explanation:* An internal messaging error occurred. The message block function failed. Processing terminates.

*User response:* Contact BMC Customer Support.
BMCAPT0079I  High-speed Apply Processing Started - Agent: agentID
Explanation: The displayed apply agent has begun processing an apply request. Processing continues.
User response: No action is required.

BMCAPT0080I  High-speed Apply Processing Ended - Agent: agentID
Explanation: The displayed apply agent completed processing. Processing ends normally.
User response: No action is required.

BMCAPT0081I  STATIC SQL PROCESSING STATISTICS
Explanation: This message is for DB2 only.

This informational message provides performance and statistical data. The message summarizes the work that each agent performs during a multi-threaded execution of High-speed Apply. Because these statistics reflect committed changes, the statement counts in this message might not match the statement counts in the input file (depending on the number of conflicts encountered during processing).

This message displays how many and what type of SQL statements each agent has executed by using static SQL processing (after packages and DBRMs have been bound). High-speed Apply processes some statements that are associated with dynamic SQL (such as EXECUTE and PREPARE) statically by using the base DBRM. Processing continues.

User response: No action is required.

BMCAPT0082I  DYNAMIC SQL PROCESSING STATISTICS
Explanation: This informational message provides performance and statistical data. The message summarizes the work performed by each agent during a multi-threaded execution of High-speed Apply. Because these statistics reflect committed changes, the statement counts in this message might not match the statement counts in the input file (depending on the number of conflicts encountered during processing).

This message tells you how many and what type of SQL statements each agent has executed by using dynamic SQL processing. (High-speed Apply displays numbers in the COMMIT and ROLLBACK columns of this message only for an Oracle target database. For DB2, High-speed Apply processes COMMIT, ROLLBACK, EXECUTE, and PREPARE statements statically by using the base DBRM.) Processing continues.

User response: No action is required.
BMCAPT0083E  Start failed for High-speed Apply Engine(s)

Explanation: An internal error occurred that prevented High-speed Apply from starting. Processing terminates. For the following DBMS, this message can have another meaning:

For a DB2 UDB database running on AIX, this message might be caused by an InitialAgents value greater than 8 in the configuration file. If your target is a DB2 UDB database on AIX, the maximum value for the InitialAgents parameter is 8.

User response: Contact BMC Customer Support. For the following DBMS, you might be able to respond as follows:

If your target is a DB2 UDB database on AIX, change the value of InitialAgents to an integer less than or equal to 8. If you need further assistance, contact BMC Customer Support.

BMCAPT0084I  Statement ID: statementID

Explanation: This message identifies an SQL statement in the apply request and is usually issued with other messages. Processing continues. Other messages might be issued.

User response: Use the surrounding messages to determine whether a problem occurred that requires action. If a problem exists, use the statement ID in this message to help diagnose the problem. For more information about the statement ID, see the High-speed Apply technical documentation.

BMCAPT0085I  sectionName

Explanation: This message identifies a section name in the configuration of the apply request and is usually issued with other messages. Processing continues. Other messages might be issued.

User response: Use the surrounding messages to determine whether a problem occurred that requires action. If a problem exists, use the section name in this message to help diagnose the problem.

BMCAPT0086U  APF authorization required

Explanation: This message is for DB2 only.

The High-speed Apply load libraries were not authorized with the IBM application program facility (APF). Any libraries referenced in the apply request STEPLIB DD statements must also be APF authorized. Processing terminates.

User response: Verify that the High-speed Apply load libraries and any libraries that are referenced in the STEPLIB DD statements are APF authorized. Then, run the apply request again.
**BMCAPT0087I**  
**Configuration file name not specified - checking for default: fileName**  
*Explanation:* High-speed Apply is running without a specified name for the configuration file and attempts to use a default value for the configuration file name. The configuration file name is normally specified by  
- the FileName (CFN) parameter included in the PARM parameter of the EXEC statement (for DB2 for mainframe targets)  
- the FileName (CFN) parameter included in the apply request (for any target DBMS on either UNIX or Windows platforms)  

Processing continues. High-speed Apply tries to obtain configuration information from the file that is displayed in the message.  

*User response:* If the file that is displayed in the message contains appropriate configuration information, no action is required. Otherwise, you can stop the apply request, edit the job to refer to an appropriate configuration file, and run the request again.

**BMCAPT0088E**  
**Input file not specified or indeterminate**  
*Explanation:* High-speed Apply cannot locate an input file for the apply request. Processing terminates.  

*User response:* Edit the apply request or the configuration file to include a valid input file name. Then, run the request again.

**BMCAPT0089E**  
**Column schema not found for column columnName in table tableName**  
*Explanation:* High-speed Apply cannot locate a column in the target table that corresponds to the specified column in the source table. Processing terminates.  

*User response:* If the column exists in the target table, but it is named differently than in the source table, you can use the [ObjectMap] parameters to map the column names for the apply request. Then, run the request again.

**BMCAPT0090W**  
**Logical log record skipped - Statement statementID has no changed columns**  
*Explanation:* This message is for DB2 only.  

The logical log input file contained an update record, but the data did not change. High-speed Apply compares the before-image and the after-image of the data to determine whether changes were actually made. Processing continues, but the specified record is skipped.  

*User response:* No action is required. For more information about the statement ID, see the High-speed Apply technical documentation.

**BMCAPT0091W**  
**System service serviceName failed - RC: returnCode reason: reasonCode information: text**  
*Explanation:* This message is for DB2 only.
High-speed Apply received an unexpected return code from the service identified by *serviceName*. The service is usually an operating system or DB2 service that High-speed Apply uses during processing. The return code, reason code, and any information that accompanied them are also shown in the message text. The action that High-speed Apply takes depends on the nature of the service failure. Other messages are issued to notify you whether processing can continue.

**User response:** Use the information in this message and any surrounding messages to help diagnose and correct the problem. For information about the specified return and reason codes, consult the appropriate IBM technical documentation. If you need assistance, contact BMC Customer Support.

**BMCAPT0092E System utility *utilityName* abended with code *abendCode***

*Explanation:* This message is for DB2 only.

High-speed Apply received the specified abend code. The utility identified by *utilityName* is usually a DB2 or operating system utility that High-speed Apply uses during processing. The action that High-speed Apply takes depends on the nature of the failure. Other messages are issued to notify you whether processing can continue.

**User response:** Use the information in this message and any surrounding messages to help diagnose and correct the problem. For information about the specified return and reason codes, consult the appropriate IBM technical documentation. If you need assistance, contact BMC Customer Support.

**BMCAPT0093E System utility *utilityName* ended with RC: *returnCode***

*Explanation:* This message is for DB2 only.

High-speed Apply received the specified return code. The utility identified by *utilityName* is usually a DB2 or operating system utility that High-speed Apply uses during processing. The action that High-speed Apply takes depends on the nature of the return code. Additional messages are issued to notify you whether processing can continue.

**User response:** Use the information in this message and any surrounding messages to help diagnose and correct the problem. For information about the specified return code, consult the appropriate IBM technical documentation. If you need assistance, contact BMC Customer Support.
BMCAPT0094W  System utility sort processing incomplete - nnnn of nnnn output records processed

Explanation: High-speed Apply cannot finish sorting the input file because sort processing terminated before all of the records were retrieved. Processing terminates.

User response: If other messages are issued, use them to help diagnose and correct the problem. If you need assistance, contact BMC Customer Support.

BMCAPT0095I  Conflict management (warning | error) detected

Explanation: High-speed Apply identified a warning or error situation during conflict resolution. If a warning was issued, processing continues. If an error was issued, processing terminates.

User response: If other messages are issued, use them to help diagnose and correct the problem. If you need assistance, contact BMC Customer Support.

BMCAPT0096I  Conflict Management processing action request for Statement ID: statementID SQLCODE: code

Explanation: High-speed Apply is responding to the conflict represented by the displayed SQL code or database message by performing the displayed action. This action corresponds to one of the Action parameters specified in your apply request. Processing continues, unless the specified action stops the apply request.

User response: Depending on the action, you might need to resolve the conflict and restart the apply request. For more information about the types of actions available for conflict resolution and the statement ID, see the High-speed Apply technical documentation. For more information about the SQLCODE, consult your DBMS documentation.

BMCAPT0097I  Request ID: requestID Restart ID: restartID

Explanation: If you specified the RestartType parameter as New, High-speed Apply uses this message to display the restart ID for the apply request. If you specified the RestartType parameter as None, High-speed Apply does not generate a restart ID. Processing continues.

User response: No action is required. If you need to restart the apply request, you can use the restart ID in this message to enable restart processing.

BMCAPT0098E  Conflict management failed - Multiple non-terminating conflicts

Explanation: The configuration information for the apply request contained conflict resolution rules that will result in endless retry attempts. For example, if you specified the action for the RetryFail parameter as Retry, this message is issued. Processing terminates.

User response: Correct the configuration information, and run the apply request again.
Restart failed - Restart ID `restartID` not restartable or invalid

**Explanation:** High-speed Apply cannot find restart information in the restart table for the specified restart ID. Either the restart ID is invalid or the restart table name in the configuration is invalid. Processing terminates.

**User response:** Check the previous job output for the apply request that you are trying to restart. Correct the restart ID or restart table name as necessary. Then run the restart request again. If both the restart ID and restart table name were correctly specified, contact BMC Customer Support.

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**Messages BMCAPT0100 through BMCAPT0199**

This group includes messages for the High-speed Apply Engine product.

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**BMCAPT0100I**  
**Multiple rows affected: `nnnn`**

**Explanation:** An SQL statement resulted in a conflict that affects multiple rows. Additional messages provide more information about the conflict. If the value of `nnnn` is -1, the number of affected rows cannot be determined. The action that High-speed Apply takes depends on the type of conflict and the conflict resolution rules specified in the configuration for the apply request.

**User response:** Some action might be required to resolve the conflict. For more information about conflict resolution rules, see the High-speed Apply technical documentation.

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**BMCAPT0101I**  
**No rows affected**

**Explanation:** An SQL statement was issued, but no rows in the target table were updated. The action that High-speed Apply takes depends on the type of conflict and the conflict resolution rules specified in the configuration for the apply request.

**User response:** Some action might be required to resolve the conflict. For more information about conflict resolution rules, see the High-speed Apply technical documentation.

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**BMCAPT0102E**  
**File setup failed - File `fileName` exists**

**Explanation:** The conflict file was configured with a disposition of NEW, but the file already exists. Processing terminates.

**User response:** Correct the configuration for the conflict file, and run the apply request again.
File setup failed - File fileName does not exist

Explanation: The conflict file was configured with a disposition of OLD or SHR, but the file does not exist. Processing terminates.

User response: Correct the configuration for the conflict file, and run the apply request again.

DB2 command failed - No output from command commandName

Explanation: This message is for DB2 only.

A DB2 command was issued, but no output was returned. This error is an internal processing error. Processing terminates.

User response: Contact BMC Customer Support.

Output from command commandName follows: text

Explanation: High-speed Apply issued a command to the target DBMS. The output from the command follows this message. Processing continues.

User response: This message can indicate that the target DBMS encountered an error. Use the information following this message to diagnose the problem and take appropriate action.

ObjectMap configuration error - Incompatible mapping from sourceObject to targetObject

Explanation: An error occurred when High-speed Apply tried to map the specified objects. The object names can be either table or column names. High-speed Apply displays this message only when one of the [ObjectMap] parameters uses a wildcard character to match multiple table or column names. Processing terminates.

User response: Examine the [ObjectMap] section of the configuration information to diagnose the problem. Verify that the object-name mapping is correct, and that any wildcards are used correctly.

Mapping source object sourceObject to target object targetObject

Explanation: High-speed Apply issues this message when you map source tables to target tables by using a wildcard pattern as part of the table name. The message occurs each time that High-speed Apply finds a valid mapping for the pattern that you specified. Processing continues.

User response: No action is required.

Object Mapping error - Unable to fully parse DML statement or DDL statement encountered

Explanation: High-speed Apply is running an apply request that specifies object mapping ([ObjectMap] parameters are defined). Processing terminates. Other messages provide a statement ID to identify the statement that cannot be processed. The following situations can cause this error:
A DML statement for a table that requires object name mapping is complex enough that High-speed Apply does not parse the statement (for example, High-speed Apply cannot parse a SELECT clause embedded within an INSERT statement). Because the statement cannot be completely parsed, High-speed Apply cannot guarantee that the object-name mapping is correct.

The input file includes a data definition language (DDL) statement. High-speed Apply does not support the combination of object mapping and DDL input.

**User response:** Your response depends on the cause of the error:

- Review the DML statement that caused the error. Try to simplify the statement or include the specific targets as part of the statement. Alternatively, revise the [ObjectMap] section of the configuration so that the statement can be processed. Then, run the apply request again.

- Change the apply request to remove either the [ObjectMap] section of the configuration or to remove the DDL statements from the input. Run the apply request again.

**BMCAPT0110W**  
**ObjectCluster specification overrides RI clustering**

**Explanation:** The [ObjectCluster] section is part of the configuration for the apply request. This warning alerts you that High-speed Apply will use your object cluster definitions, regardless of the referential integrity constraints defined for the target tables. Processing continues.

**User response:** No action is required.

**BMCAPT0111I**  
**INPUT PROCESSING STATISTICS**

**Explanation:** This informational message provides performance and statistical data. It summarizes the number and type of SQL statements that High-speed Apply found in the input file. Because these statistics reflect the input file, the statement counts in this message might not match the number of statements that are committed against the database (depending on the number of conflicts encountered during processing).

This message displays both the number and type of statements that High-speed Apply processed and the number and type of statements that High-speed Apply skipped for various reasons. High-speed Apply displays skipped statements only when the number of skipped statements is greater than zero. Processing continues.

The following items describe the statistics displayed in this message:

- INSERT: Number of statements that are processed.

- UPDATE, DELETE, DDL, COMMIT, ROLLBACK: Depending on the value of the DistributionType parameter, the numbers in the COMMIT and
ROLLBACK columns might not reflect the original COMMIT and ROLLBACK statements in the input.

- TEMPLATE: Number of entries that are processed in template file associated with SQL input file.

- RESTART: Number of statements that are skipped when the apply request is restarted (does not include statements counted in message BMCAPT0210).

- INCOMPLET (Logical log input only): Number of statements that are skipped because they are part of an incomplete or aborted transaction (unit of recovery).

- UPDATE RI (Logical log input only), DELETE RI: Number of statements that are skipped because the value of the IncludeRI parameter (in the [LogicalLog] section) is No.

- DB2CAT (Logical log input only): Number of DML statements that are skipped because they affected tables in the DB2 catalog.

- SQL TYPE (Logical log input only): Number of statements that are skipped because of the value of the SQLType parameter (REDO or UNDO).

- DDLOBJ (Logical log input only): Number of DDL objects that are skipped because of the value of the IncludeDDL parameter is No.
  (Remember that one DDL object can represent several DDL statements.)

- OTHER: Number of statements that are skipped for several reasons, including:
  - Logical log input only: No columns were changed
  - Logical log input only: No SET clause in UPDATE
  - SQL input only: SET statements
  - SQL input only: Empty statements
  - Original COMMIT or ROLLBACK statements when DistributionType is Object and CommitOnDemand is No.

- TOTAL: Total number of input statements that processed and skipped.

User response: No action is required.
BMCAPT0112E  ObjectPartition configuration error - Graphic data type not supported
Table: owner. tableName Column: columnName
Explanation: The [ObjectPartition] section referenced a column that has a graphic data type. The message identifies the parameters that are in error. Processing terminates.
User response: Correct the configuration, and run the apply request again.

BMCAPT0113E  ObjectPartition configuration error - Invalid column name
Table: owner. tableName Column: columnName
Explanation: The [ObjectPartition] section referenced a column name that cannot be processed. The message identifies the parameters that caused the error. Processing terminates.
User response: Verify that the column exists and that the name is spelled correctly. Correct the configuration, and run the apply request again.

BMCAPT0114E  ObjectPartition configuration error - Number of Column and Value entries does not match
Table: owner. tableName Partition: partitionName
Explanation: The [ObjectPartition] section contained an unequal number of Value and Column parameters. Within a partition definition, each Column parameter must have a corresponding Value parameter. Processing terminates.
User response: Correct the configuration, and run the apply request again.

BMCAPT0115E  ObjectPartition configuration error - LimitKey and Value(s) defined
Table: owner. tableName Partition: partitionName
Explanation: The [ObjectPartition] section contained a LimitKey and a Value specification for the same partition. The LimitKey and Value parameters are mutually exclusive. Processing terminates.
User response: Correct the configuration, and run the apply request again.

BMCAPT0116E  ObjectPartition configuration error - Invalid value
Table: owner. tableName Partition: partitionName Column: columnName
Explanation: The [ObjectPartition] section contained an invalid value. The message identifies the table, partition, and column parameters that caused the error. Processing terminates.
User response: Verify that the value parameters contain the correct data types for the corresponding columns. Correct the configuration, and run the apply request again.

BMCAPT0117I  CONFLICT DEFER STATISTICS
Explanation: This informational message provides performance and statistical data. It summarizes the number and type of SQL statements that High-speed Apply wrote into conflict files because the Action specified for a conflict resolution rule was DeferUR or DeferStatement. High-speed Apply includes a
line of message output for each conflict file used in an apply request (including the conflict file name and the number of the agent). Processing continues.

**User response:** No action is required.

**BMCAPT0118I**  
**Input statements processed: numOfStatements Statement ID: statementID**

**Explanation:** This informational message provides performance and statistical data. High-speed Apply displays this message periodically during processing, depending on the value of the InputTrigger and InputValue parameters. The message displays the number of SQL statements in the input file that the input processor has processed so far. (The input processor either skips a statement or parses it and passes it on to other portions of High-speed Apply for application to the target tables.) For more information about the statement ID, see the High-speed Apply technical documentation. Processing continues.

**User response:** No action is required.

**BMCAPT0119E**  
**ObjectPartition configuration error - Partition key for partition02 must be greater than the key for partition01 Table: owner. tableName**

**Explanation:** The [ObjectPartition] section contains an invalid partition definition for the specified table. The partition identified by partition02 has a high-key value that is less than the high-key value for the partition identified by partition01. Processing terminates.

**User response:** Correct the configuration, and run the apply request again.

**BMCAPT0120E**  
**ObjectPartition configuration error - Invalid limit key Table: owner. tableName Partition: partitionName**

**Explanation:** This message is for DB2 only.

The [ObjectPartition] section contains an invalid limit key definition for the specified partition and table. Processing terminates.

**User response:** Correct the configuration, and run the apply request again.

**BMCAPT0121W**  
**Logical Log record skipped - Statement statementID updates a DB2 catalog table**

**Explanation:** This message is for DB2 only.

The logical log that provided the input for the apply request contains a record that updates a DB2 catalog table. The statement is identified by statementID. High-speed Apply cannot update the DB2 catalog tables. Processing continues, but the record that contains the identified statement is skipped.

**User response:** No action is required. However, if the update to the DB2 catalog is required, you must use another method to apply the update. For more information about the statement ID, see the High-speed Apply technical documentation.
BMCAPT0122E  Unsupported connection version

Explanation: This message is for Oracle only.

High-speed Apply does not support the Oracle version specified in the configuration. The Oracle version is specified by the ConnectionVersion parameter in the [StartUp] section, or obtained dynamically during apply processing. Processing terminates.

User response: You must use a version of Oracle that High-speed Apply supports. For a list of supported Oracle versions for UNIX and Windows, see the High-speed Apply technical documentation.

BMCAPT0123E  Unable to determine connection version

Explanation: This message is for Oracle only.

High-speed Apply cannot determine the Oracle version number for the apply request. The Oracle version was not specified by the ConnectionVersion parameter in the [StartUp] section of the configuration file, and High-speed Apply cannot obtain the version during apply processing. Processing terminates.

User response: Specify an appropriate connection version in the configuration file, and run the apply request again. For more information about specifying a connection version, see the High-speed Apply technical documentation.

BMCAPT0124E  Maximum concurrent users exceeded

Explanation: High-speed Apply detected more simultaneous users than your license agreement permits. Processing terminates.

User response: Limit the number of simultaneous users for High-speed Apply, or contact your BMC sales representative to increase the number of users for your license agreement.

BMCAPT0143E  Invalid Logical Log control file - Unknown segmentation indicator character on Logical Log Data Set Record

Explanation: This message is for DB2 only.

High-speed Apply tried to process an input Logical Log control file, but it encountered an indicator character that it did not expect and could not interpret correctly. The character variable displays the unexpected indicator character. Processing terminates.

User response: Contact BMC Customer Support.

BMCAPT0144E  Invalid Logical Log control file - XTYP record must precede DLDS record

Explanation: This message is for DB2 only.
High-speed Apply detected an error in the sequence of records within the input Logical Log control file. The XTYP record and the DLDS record did not occur in the proper order. Processing terminates.

User response: Contact BMC Customer Support.

BMCA0T0145W Agent start failed due to resource shortage - No more agents will be started

Explanation: High-speed Apply tried to start another apply agent, but it was unable to start the agent because of a resource shortage in the operating environment. Examples of resource shortages include insufficient memory, no available threads, or problems with the target database. Processing continues (using the apply agents that were already running).

User response: No action is required. If the reduced number of agents creates a performance problem, investigate and resolve the resource shortage before running High-speed Apply again.

BMCA0T0146W Configuration warning - InitialAgents exceeds MaxAgents, using MaxAgents

Explanation: In the [Agent] section of the current configuration, you have specified a value for InitialAgents that is greater than the value of the MaxAgents parameter. InitialAgents must be less than or equal to MaxAgents. Processing continues (using the number of agents specified by MaxAgents).

User response: Edit the [Agent] section of the configuration so that InitialAgents is less than or equal to MaxAgents. If you need assistance, contact BMC Customer Support.

BMCA0T0148E Bind started for package packageName - Trigger statistics:

Explanation: This message is for DB2 only.

High-speed Apply has started bind processing for the package indicated because one of the bind-triggering thresholds specified in the [BindTuning] parameters has been exceeded. Statistics about the triggering criteria follow this message. Processing continues.

User response: You can use the statistics presented to refine the [BindTuning] parameters.

BMCA0T0149E Conflict action action02 may not follow action action01 for code codeName in section sectionName

Explanation: High-speed Apply detected a logical inconsistency in the conflict rules specified for the indicated code and section. The action represented by action02 cannot follow action01. For example, you cannot specify a rollback action followed by a continue action because the sequence would cause High-speed Apply to loop indefinitely. Processing terminates.

User response: Edit the configuration to remove the inconsistency and specify a valid sequence of actions. If you need assistance, contact BMC Customer Support.
BMCAPT0150W  DROP PACKAGE failed for: packageName

Explanation: This message is for DB2 only.

High-speed Apply displays this informational message as it terminates an apply request. This message informs you that High-speed Apply tried to drop a package that it created during processing, but that the DROP PACKAGE command issued to the target database returned an error. More information is displayed in subsequent messages. High-speed Apply continues the termination process.

User response: Examine the apply request's output (as displayed in the subsequent messages) to determine the reason for the failure. If necessary, change your operating procedures to ensure that High-speed Apply can drop the packages that it creates dynamically during processing.

BMCAPT0151E  High-speed Apply processing terminated by request

Explanation: An external request has been received to terminate High-speed Apply processing. Processing terminates.

User response: No action is required. Other messages provide more information.

BMCAPT0152E  Configuration Error - Configuration parameters parameter01 and parameter02 specified in section sectionName are mutually exclusive

Explanation: The specified parameters cannot be used together in the specified section. Processing terminates.

User response: Correct the configuration file, and run the apply request again. For more information about configuration parameters, see the High-speed Apply technical documentation.

BMCAPT0153I  Database name is required for a DBMS connection

Explanation: This message is for DB2 UDB only.

A database name was not identified in the configuration. For DB2 UDB, the database name is a required parameter for startup. Processing terminates.

User response: Edit the apply request or the configuration file to include the database name. Then, run the request again.

BMCAPT0154I  Bind output follows:

Explanation: This message is for DB2 UDB only.

This message precedes messages that High-speed Apply retrieves after it internally invokes a BIND command. Processing continues.

User response: Examine the messages to determine what action, if any, is required. For further assistance, contact BMC Customer Support.
BMCAPT0155E  **DBMSVersion is not supported by High-speed Apply for Distributed Systems on OS OSVersion**

*Explanation:* This message is for UNIX and Windows only.

High-speed Apply does not support the specified DBMS on the specified operating system. Processing terminates.

*User response:* You must use versions of the DBMS and operating system that High-speed Apply supports. For a list of supported DB2 UDB and Oracle versions for UNIX or Windows, see the High-speed Apply technical documentation.

BMCAPT0156I  **Current installation of High-speed Apply is not optimal for OS OSVersion**

*Explanation:* This message is for UNIX and Windows only.

The current installation of High-speed Apply is not optimal for the specified version of the operating system. The installation CD for High-speed Apply provides another version of High-speed Apply that will run better on the operating system. Processing continues, but High-speed Apply runs slower than it would with a different installation of High-speed Apply.

*User response:* Use High-speed Apply installation CD to load the installation program that is appropriate for your operating system. For further assistance, contact BMC Customer Support.

BMCAPT0157E  **Invalid SQL statement lineNumber - Invalid value value for SQL terminator**

*Explanation:* An invalid value was specified for the SQL terminator in the input SQL file. Processing terminates.

*User response:* Edit the input SQL to specify a valid SQL terminator. Then, restart the request.

BMCAPT0158E  **Invalid control (--#SET) statement lineNumber - value not supported**

*Explanation:* This message is for DB2 only.

The input SQL file contained an invalid control statement. Processing terminates.

*User response:* Correct the control statement. Then, restart the apply request.

BMCAPT0159E  **Invalid SQL statement lineNumber - Unterminated comment**

*Explanation:* This message is for DB2 only.

The SQL input file contains an unterminated comment beginning at the specified line number. Processing terminates.

*User response:* Make sure that the comment in the SQL input file terminates properly. Then, restart the apply request.
BMCAPT0160W  SQL Set statement statementID ignored

Explanation: High-speed Apply ignores the SET statement that begins at the point in the input file represented by statementID. For more information about the statement ID, see the High-speed Apply technical documentation. Processing continues.

User response: No action is required.

BMCAPT0161W  Column length columnLength exceeds supported length supportedLength - Truncation may occur Table: owner. tableName Column: columnName

Explanation: The catalog-defined length of the column, most likely a LONG data type, a LOB data type, or an XML data type, exceeds the processing capability of High-speed Apply. Truncation occurs when the amount of data exceeds the supported length. Processing continues.

User response: Verify whether any truncation has occurred. If necessary, prepare updates by using the concatenation operator.

BMCAPT0162E  Invalid character conversion information in transSource for CCSID sourceCcsid to targetCcsid Table: tableName Column: columnName

Explanation: This message is for DB2 only.

The source represented by transSource contains no string conversion information about the specified source and target CCSIDs. High-speed Apply is searching for string conversion information in the form of either SYSSTRINGS information in the DB2 catalog, or information from an operating system conversion service. The transSource variable represents the DB2 catalog or a logical log control file, depending on the type of input the apply request is processing. Processing terminates.

User response: Determine whether the CCSIDs are compatible:

- If the CCSIDs are compatible, set the value of the CCSIDCompatible parameter to Yes in the [LogicalLog] section of the configuration. Run the apply request again. This response is valid only when High-speed Apply reads logical log input from a file.

- If the CCSIDs are not compatible, either add the appropriate conversion information into the SYSSTRINGS table of the DB2 catalog or install an operating system conversion service that handles conversion between the two CCSIDs. Run the apply request again.

BMCAPT0163E  Unsupported character conversion using conversion procedure for CCSID sourceCcsid to targetCcsid Table: tableName Column: columnName

Explanation: This message is for DB2 only.
High-speed Apply does not support character conversion using a conversion procedure that is defined in the SYSIBM.SYSSTRINGS table of the DB2 catalog. Processing terminates.

*User response:* Contact BMC Customer Support.

**BMCAPT0164E**  
**Invalid Logical Log control file - Translation table length invalid for CCSID sourceCcsid to targetCcsid**

*Explanation:* This message is for DB2 only.

The translation table record in the Logical Log control file is too long for the specified CCSIDs. Processing terminates.

*User response:* Contact BMC Customer Support.

**BMCAPT0165E**  
**Translation Error statementID - Conversion of mixed source data string containing DBCS characters to an SBCS column unsupported. CCSIDs ccsid01, ccsid0 Table: sourceTable Column: sourceColumn**

*Explanation:* High-speed Apply displays this message when a column in the source table is defined as mixed data (data that contains both single-byte and double-byte characters mixed together), but the corresponding column in the target table is defined as single-byte data. As High-speed Apply tried to translate this character string using the translation table for the displayed CCSIDs, it encountered at least one double-byte character. High-speed Apply cannot translate a double-byte character using a translation table, it must use a defined translation procedure or utility. Processing terminates.

*User response:* Depending on the circumstances in your environment, either

- edit the input file to remove any double-byte characters from the *sourceColumn* in the statement represented by *statementID*

  (For more information about the statement ID, see the High-speed Apply technical documentation.)

- define a translation procedure or utility for the CCSIDs displayed in the message

If the column does not contain double-byte characters, contact BMC Customer Support.

**BMCAPT0166I**  
**STATEMENTS COMMITTED STATISTICS**

*Explanation:* This informational message provides performance and statistical data. It summarizes the work performed by each agent during a multi-threaded execution of High-speed Apply. Because these statistics reflect committed changes, the statement counts in this message might not match the statement counts in the input file (depending on the number of conflicts encountered during processing). This particular message tells you how many and what type
of SQL statements each agent has committed. This message also displays the total numbers of statements that each agent has executed. Processing continues.

User response: No action is required.

**BMCAPT0167E**  
Translation Error - a string that contains DBCS characters cannot be converted using a translation table. CCSIDs ccsid01, ccsid02Table: sourceTable Column: sourceColumn

Explanation: High-speed Apply is trying to convert a character string using the translation table defined for the displayed CCSIDs in the SYSIBM.SYSSTRINGS table of the DB2 catalog. As High-speed Apply tried to translate this character string, it encountered at least one double-byte character. High-speed Apply cannot translate a double-byte character using a translation table, it must use a defined translation procedure or utility. Processing terminates.

User response: Depending on the circumstances in your environment, either

- edit the input file to remove any double-byte characters from the sourceColumn
- define a translation procedure for the CCSIDs displayed in the message

If the column does not contain double-byte characters, contact BMC Customer Support.

**BMCAPT0168E**  
Translation Error from conversion procedure or utility transName, return code returnCode, reason code reasonCode. CCSIDs ccsid01, ccsid02Table: sourceTable Column: sourceColumn

Explanation: High-speed Apply is calling a conversion procedure or utility to translate characters between the displayed CCSIDs. The procedure has returned the error condition indicated by the displayed return code and reason code. Processing terminates.

User response: Verify that the conversion procedure or utility defined for the displayed CCSIDs is the correct procedure, and that it is available. If the procedure is valid and available, use the reason and reason codes and any other related messages to diagnose the problem. If you cannot diagnose or correct the problem, contact BMC Customer Support.

**BMCAPT0170E**  
Configuration error - Invalid configuration record recordText in section sectionName

Explanation: High-speed Apply has encountered a record in its configuration information that it cannot process. Processing terminates. Some common causes for this error include

- a record that is longer than 1024 bytes
- a record that is not a comment, a section name, or that does not use the documented Parameter= Value format
The invalid configuration record is displayed in this message.

User response: Review the configuration information and correct the error. Resubmit the apply request.

BMCAPT0171E Invalid SQL statement statementID - Unterminated statement

Explanation: High-speed Apply is processing an input SQL file and has encountered an SQL statement that is not terminated with the SQL terminator character—by default, the semicolon (;). The unterminated statement is frequently the last statement in the SQL file. High-speed Apply cannot be certain that it has read the entire SQL statement. For more information about the statement ID, see the High-speed Apply technical documentation. Processing terminates.

User response: Edit the input SQL file. If necessary, add a valid SQL terminator character. Resubmit the apply request.

BMCAPT0172E Invalid mass delete record statementID. At least one partition key column of the source table is excluded.

Explanation: This message is for DB2 only.

High-speed Apply displays this message only when it is processing logical log input and it is trying to apply a mass delete action based on the information in the logical log file. However, the source table is a partitioned table and one of the columns that make up the partitioning key was excluded when the logical log file was generated. For more information about the statement ID, see the High-speed Apply technical documentation. Processing terminates.

User response: Verify that all columns that make up the partitioning key are included in the logical log file. If necessary, regenerate the logical log input file and resubmit the apply request.

BMCAPT0173E Statement statementID has a bad data length currentLength, valid length is expectedLength

Explanation: This message is for DB2 only.

High-speed Apply displays this message only when it is processing logical log input. It occurs most frequently when High-speed Apply is reading input from an MQSeries message queue, and the logical record length (LRECL) of the queue is less than the length of the logical log data records.

The message indicates that High-speed Apply has encountered a logical log record that defines the data's length as expectedLength, but the actual length of the data is currentLength. This message might indicate corruption of the logical log file. Processing terminates.

User response: Verify whether the information in the logical log file is correct. For more information about the statement ID, see the High-speed Apply
technical documentation. If necessary, increase the LRECL value of the queue and regenerate the logical log file. If the error persists, contact BMC Customer Support.

**BMCAPT0174E**  
**File write failed - S abendCode- reasonCode out of space condition detected**  
*Explanation:* This message is for DB2 only.

High-speed Apply has encountered an error condition as it tries to write information to a file. A subsequent message provides the name of the file. The parameters used when the file was allocated did not provide enough disk space for the amount of information that High-speed Apply must write. The abend code and reason code in the message provide more details about the cause of the error. Processing terminates.

*User response:* Use the abend and reason codes displayed in the message (along with any other related messages) to determine the cause of the error. If necessary, reallocate the file and resubmit the job.

If the file is a partitioned data set, allocate a new file (with a different name) using adjusted parameters and change your configuration to use the new file. If the file is not a partitioned data set, you can adjust the allocation parameters within your configuration. You might also need to adjust the default values of existing disk space parameters (for example, the SPACE, SpacePri, or SpaceSec parameters).

**BMCAPT0175E**  
**Load of default options module failed: moduleName**  
*Explanation:* This message is for DB2 only.

High-speed Apply is unable to either locate or read the installation options module (also known as a default options or DOPTs module) listed in the message. Processing terminates.

*User response:* Take either of the following actions:

- Ensure that a valid installation options module resides in the APF-authorized libraries specified during installation (the libraries where the High-speed Apply load modules reside).

- Specify NONE as the value of the DefaultOpts parameter in the [Startup] section of the configuration.

**BMCAPT0176W**  
**Length of terse DDL statement exceeds buffersize of size**  
*Explanation:* This message is for DB2 only.
While processing data definition language (DDL) information, High-speed Apply encountered a statement that exceeds the internal DDL statement buffer size. High-speed Apply ignores the current DDL statement. Processing continues.

*User response:* To avoid this error condition, change the conditions under which you generate the DDL information so that the DDL input does not contain the specific DDL statement indicated by the message. Resubmit the apply request with the new input.

**Encountered 'ALTER TABLE owner. tableName ADD COLUMN columnName' which cannot be undone by DDL UNDO processing**

*Explanation:* High-speed Apply displays this message as it processes UNDO DDL information when it has encountered an ALTER TABLE ADD COLUMN statement for the table and column displayed in the message. Because of current DB2 processing constraints, High-speed Apply cannot execute this data definition language (DDL) statement in the order required to undo the ALTER statement.

High-speed Apply ignores the ALTER TABLE ADD COLUMN statement. Processing continues.

*User response:* No action is required.

**Reference on CREATE/ALTER TABLE owner. tableName has columns specified for index owner. indexName. The Logical Log Record cannot be executed**

*Explanation:* This message is for DB2 only.

DB2 allows a CREATE or ALTER statement to create a referential integrity constraint on a table by using a column that is part of a UNIQUE, but not PRIMARY, index. In such cases, the information logged by DB2 (specifically a row in the DB2 catalog table SYSIBM.SYSRELS) contains an index name. However, the data definition language (DDL) syntax used in a REFERENCE clause of a CREATE or ALTER statement requires a column name, not an index name. High-speed Apply cannot determine the required column names based on the index name, and therefore cannot execute the required DDL statement.

High-speed Apply ignores the CREATE or ALTER statement. Processing continues.

*User response:* If migrating DDL, update the affected REFERENCE clause to include the column names before you execute the DDL.

**--Set terminator character could not be determined for CREATE TRIGGER triggerName execution**

*Explanation:* High-speed Apply is trying to process a data definition language (DDL) statement that creates a trigger in DB2. The syntax of the CREATE TRIGGER statement requires that any multiple embedded SQL statements
(within the BEGIN ATOMIC and END keywords) must be terminated with a semicolon (;) character. Because of this requirement, High-speed Apply inserts a SET TERMINATOR CHARACTER comment in the generated DDL to change the terminator for the entire CREATE TRIGGER statement so that the entire statement can be processed by DB2. (High-speed Apply also inserts another SET TERMINATOR comment after the CREATE TRIGGER statement to reset the terminator character to a semicolon.)

High-speed Apply tries to use five different terminator characters (#, @, ^, !, and $). If all five terminator characters occur within the text of the CREATE TRIGGER statement, High-speed Apply generates the statement using semicolons for all terminators and does not insert the SET TERMINATOR comments.

User response: Edit the DDL output file to add the SET TERMINATOR comments to set and reset the terminator character. Use a terminator character that does not occur in the text of the CREATE TRIGGER statement. Change the terminator character for the entire CREATE TRIGGER statement to use your newly-defined terminator character.

BMCAPT0180I Logical Log DDL record statementID skipped as requested

Explanation: This message is for DB2 only.

High-speed Apply displays this informational message only when the value of the IncludeDDL parameter in the [LogicalLog] section is No. The message indicates that the logical log record indicated by the statementID contains data definition language (DDL) information and that High-speed Apply has ignored the record. For more information about the statement ID, see the High-speed Apply technical documentation. Processing continues.

User response: No action is required. If you need to process DDL information, edit the configuration to change the value of the IncludeDDL parameter and submit the apply request again.

BMCAPT0181I solutionName versionNumber Solution

Explanation: This informational message tells you that High-speed Apply is installed as part of a solution from BMC. High-speed Apply displays this message only when it is installed and licensed as a component of a solution and displays it for all active solutions that High-speed Apply is part of. Processing continues.

User response: No action is required.

BMCAPT0182I OTHER STATISTICS

Explanation: This informational message provides performance and statistical data. It summarizes the work performed by each agent during a multi-threaded execution of High-speed Apply. Processing continues. This particular message tells you
how many times each agent was unable to prepare an SQL statement for execution during dynamic SQL processing (when a PREPARE of a statement fails, the agent processes the statement as EXECUTE IMMEDIATE)

how many times each agent retried execution of statements because the Action specified for a conflict resolution rule was Retry

the total amount of time that each agent spent in the target database

User response: No action is required.

**BMCAPT0183I** Request elapsed time: elapsedTimeValue

*Explanation:* This informational message provides performance and statistical data. It provides the total elapsed time that High-speed Apply required to process an apply request. High-speed Apply displays this message at the end of processing. (Under multi-threaded execution, this total time differs from the total of all agents’ DBMS time displayed in message BMCAPT0182.) Processing continues. (High-speed Apply will shortly end processing normally.)

*User response:* No action is required.

**BMCAPT0185I** Statements committed: numOfStatements

*Explanation:* This informational message provides performance and statistical data. High-speed Apply displays this message periodically during processing, depending on the value of the CommitTrigger and CommitValue parameters. The message displays the number of SQL statements that High-speed Apply has currently committed against the target tables. Processing continues.

*User response:* No action is required.

**BMCAPT0186I** Table tableName01 assigned by assignType01 to Agent agentID01, to be reassigned to Agent agentID02 by assignType02

*Explanation:* This informational message tells you that High-speed Apply has changed which agent is processing the input related to the table displayed as tableName01. The message displays the original agent and the original criteria used to assign the table to that agent. High-speed Apply displays this message only if either the new agent or the criteria has changed.

High-speed Apply can dynamically change the distribution of tables between agents for several reasons. For example, if High-speed Apply is distributing work between agents based on referential integrity (RI) and the input file contains data definition language (DDL) that changes the RI relationships of an existing table, High-speed Apply must adjust its distribution. Similarly, High-speed Apply might adjust distribution if the input file contains DDL that changes the schema of a table. Processing continues.

*User response:* No action is required.
BMCACT0187E  ObjectMap Error - Unknown target table tableName01 Source table tableName02

Explanation: High-speed Apply is trying to translate table names according to the [ObjectMap] parameters in your apply request. A name that you specified as a target table does not currently exist in the catalog of the target database. High-speed Apply terminates processing.

User response: Edit your configuration so that you specify the name of an existing table as tableName01. Submit the apply request again.

BMCACT0188E  ObjectMap Error - Unknown target column columnName01 in target table tableName01 Source column columnName02 in source table tableName02

Explanation: High-speed Apply is trying to translate table names according to the [ObjectMap] parameters in your apply request. One of the target column names that you specified does not currently exist as part of your target table in the catalog of the target database. High-speed Apply terminates processing.

User response: Edit your configuration so that the value you specify as columnName01 is the name of an existing column in tableName01. Submit the apply request again.

BMCACT0189I  Restarting request with Restart ID restartID Checkpoint statement ID statementID

Explanation: High-speed Apply displays this informational message only when you restart a partially completed apply request. The message indicates that High-speed Apply will read the input file up to the point indicated by the statement ID and then begin examining input records to determine which records have already been processed. For more information about the statement ID, see the High-speed Apply technical documentation. Processing continues.

User response: No action is required.

BMCACT0190I  No restart information found for Restart ID restartID, executing as RestartType=NEW

Explanation: High-speed Apply displays this informational message only when you restart a partially completed apply request. This message indicates that the value of the RestartType parameter is New/Restart, but that the restart table does not contain any information from previous runs of the displayed restart ID.

High-speed Apply continues processing the current restart action as if the RestartType parameter was set to New.

User response: No action is required.

BMCACT0191I  Deleting restart information with date more than retainTime days old

Explanation: High-speed Apply displays this informational message only when you restart a partially completed apply request. This message indicates
that the value of the RestartType parameter is New or New/Restart and any restart information in the current restart table is older than the number of days specified by the RetainTime parameter.

High-speed Apply deletes all of the restart information in the current restart table that is older than the RetainTime value. Processing continues with the current restart action.

User response: No action is required.

**BMCAPT0192I** Deleting all restart information for Restart ID restartID

Explanation: High-speed Apply displays this informational message only when you restart a partially completed apply request. This message indicates that the restart table contains restart information from previous runs of the displayed restart ID, but the value of the RestartType parameter is New. This parameter value tells High-speed Apply start the apply request from the beginning of the input file. High-speed Apply deletes any existing information for the current restart ID from the restart table and continues with the current restart action.

User response: No action is required.

**BMCAPT0193I** DistributionTuning config parameter01 overridden due to parameter02

Explanation: This informational message tells you that High-speed Apply cannot honor the specified value of one configuration parameter because it conflicts with the value of a different parameter. Some examples:

- High-speed Apply ignores PartitionClustering=No when DistributionType=UR. (Partition clustering is valid only when DistributionType is Object.)

- High-speed Apply overrides RIClustering=Yes when the MaxAgents=1. (RI clustering is valid only with multiple agents.)

High-speed Apply ignores the value of parameter01. Processing continues.

User response: No immediate action is required. You might need to change your apply request, depending on the type of processing you require:

- If you require the type of processing specified by parameter01, edit your configuration to remove or change the value of parameter02. Submit the apply request again.

- If you require the type of processing specified by parameter02, consider editing your configuration parameters when convenient to remove or change the value of parameter01.
**BMCAPT0194W**

**ObjectPartition ignored for table **`tableName`** due to RI or Partition Clustering**

*Explanation:*  High-speed Apply cannot honor the [ObjectPartition] parameters that you specified for a given table because at least one of the following conditions is true:

- DistributionType is UR (disables any distribution by object)
- MaxAgents is 1 (prevents distribution to multiple agents)
- PartitionClustering is Yes (disables any distribution by partition)
- target tables have database-defined RI relationships (and RIClustering is Yes)


*User response:*  Your response depends on whether you require distribution to multiple agents based on your [ObjectPartition] parameters:

- If you require logical partitions, edit your configuration to change the value of the DistributionType, MaxAgents, RIClustering or PartitionClustering parameter. Submit the apply request again.

- If you do not require logical partitions, no action is required. To avoid confusion, consider editing your configuration parameters when convenient to remove your [ObjectPartition] parameters.

**BMCAPT0195W**

**ObjectPartition ignored due to PartitionClustering specified or reset to YES**

*Explanation:*  High-speed Apply cannot honor the [ObjectPartition] parameters that you specified for any target tables in the apply request because either

- the value of PartitionClustering is Yes
  
  (When PartitionClustering is Yes, High-speed Apply requires that the same agent process the SQL statements that affect all partitions in target tables. This requirement conflicts with your parameters.)

- the value of MaxAgents is one
  
  (High-speed Apply cannot distribute work to multiple agents.)


*User response:*  Your response depends on whether you require distribution to multiple agents based on the logical partitions defined by your [ObjectPartition] parameters:
To honor logical partitions, edit your configuration to change the value of PartitionClustering or MaxAgents. Submit the apply request again.

If you do not require logical partitions, no action is required. To avoid confusion, consider editing your configuration parameters when convenient to remove your [ObjectPartition] parameters.

**BMCAPT0196E** DML execute immediate threshold of `thresholdValue` has been exceeded

*Explanation:* The number of data manipulation language (DML) statements that High-speed Apply has processed as EXECUTE IMMEDIATE is greater than the value of the MaxExecuteImmediateDML parameter in the [DistributionTuning] section.

BMC provides this parameter to stop High-speed Apply from executing an unusually large number of DML statements in a less than optimal manner. Depending on the parameter value for your apply request, this message can indicate that High-speed Apply is not optimizing for static or dynamic SQL processing as much as it should be. (Normally, High-speed Apply uses EXECUTE IMMEDIATE to process only certain complex DML statements, such as a SELECT clause embedded in an INSERT statement.)

Processing terminates.

*User response:* Examine your input data and any statistical output messages to determine why High-speed Apply has processed so many SQL statements as EXECUTE IMMEDIATE. Adjust your configuration parameters and submit the apply request again. For assistance in tuning your apply request, contact BMC Customer Support.

**BMCAPT0197W** Data type (`type`) for column (`columnName`) table (`tableName`) as part of a partition key is not supported

*Explanation:* This message is for Oracle only.

High-speed Apply cannot use a column of the displayed data type as part of a partition key. (For example, High-speed Apply cannot process certain timestamp data types.)

High-speed Apply does not distribute work between agents based on your partitioning key. Instead it sends all SQL statements that affect any partition in the target table to the same agent. Processing continues.

*User response:* No immediate action is required. If you require distribution based on partitions, edit your configuration to change your partitioning key to use only supported data types and submit the apply request again.
BMCAPT0198I BindTuning Synchronous option ignored due to using enteredAuthorizationID authid as the binder

Explanation: This informational message tells you that High-speed Apply has ignored your specification for the Synchronous parameter because you have also specified a value for the AuthID parameter. When you specify a value of No for Synchronous, you allow High-speed Apply to perform other processing during the bind actions. When you specify a value for AuthID, High-speed Apply must wait until the bind actions (that run under a different authorization ID) are complete before performing other processing.

The two specifications conflict. High-speed Apply gives precedence to the AuthID parameter and forces the value of Synchronous to be Yes. Processing continues.

User response: No action is required.

BMCAPT0199I Commit triggers are ignored due to UR distribution

Explanation: This informational message tells you that High-speed Apply is ignoring the specified or default values of the [CommitTriggers] parameters. High-speed Apply takes this action because the DistributionType parameter is UR. The [CommitTriggers] parameters are valid only when DistributionType is Object. Processing continues.

User response: No action is required.

Messages BMCAPT0200 through BMCAPT0299

This group includes messages for the High-speed Apply Engine product.

BMCAPT0200I EXECUTE IMMEDIATE PROCESSING STATISTICS

Explanation: This informational message provides performance and statistical data. It summarizes the work performed by each agent during a multi-threaded execution of High-speed Apply. Because these statistics reflect committed changes, the statement counts in this message might not match the statement counts in the input file (depending on the number of conflicts encountered during processing).

This particular message tells you how many and what type of SQL statements each agent has processed as EXECUTE IMMEDIATE. Processing continues.

User response: No action is required.

BMCAPT0201I UNPARSED STATEMENTS - tableName

Explanation: This informational message provides performance and statistical data. It summarizes the number and type of data manipulation language
(DML) statements that High-speed Apply processed as EXECUTE IMMEDIATE because it could not parse the statements. High-speed Apply cannot fully parse some types of complex SQL statements (for example, INSERT statements with an embedded SELECT clauses). High-speed Apply displays this message once for each table affected by any unparsed SQL statements, but does not display this message when the number of unparsed statements is zero. Processing continues.

User response: No action is required.

BMCAPT0202E I/O Error - DDL Generation

Explanation: High-speed Apply is trying to generate data definition language (DDL) statements based on the DDL objects contained in a logical log input file. High-speed Apply has encountered an error and cannot generate the correct output. Processing terminates.

User response: If possible, determine cause of error and resubmit the apply request. If you cannot determine the cause of the error, contact BMC Customer Support.

BMCAPT0203I Processing template file fileName

Explanation: This message is for DB2 and DB2 UDB.

This message tells you that High-speed Apply is using a template file to optimize processing of SQL input. The template file is a separate file that the Log Master for DB2 product can generate at the same time as it generates SQL statements. High-speed Apply can use the template file to efficiently process SQL input as static SQL against DB2 for mainframe or DB2 UDB targets. Processing continues.

User response: No action is required.

BMCAPT0204W Template file is empty fileName

Explanation: This message is for DB2 and DB2 UDB.

High-speed Apply is trying to use a template file to optimize processing of SQL input, but the file does not contain any information. High-speed Apply obtains the name of the template file from a comment on the first line of the SQL input file. (A template file is a separate file generated by the Log Master for DB2 product that High-speed Apply can use to efficiently process SQL input as static SQL against DB2 for mainframe or DB2 UDB targets.) Processing continues, but performance might be less than optimal.

User response: Examine the first line of the SQL input file. Ensure that the file name in the SQL comment correctly indicates an existing template file. Examine the template file to be sure that it has not been overwritten or corrupted. If the file name and the content of the template file appear to be correct, contact BMC Customer Support.
BMCAPT0205W  MaxPackages threshold reached

*Explanation:* This message is for DB2 and DB2 UDB.

High-speed Apply has bound and processed input using multiple packages in addition to the original base plan or package. High-speed Apply has bound as many packages as permitted by the MaxPackages parameter of this apply request. Processing continues, but High-speed Apply will process any new distinct statement types either as dynamic SQL or as EXECUTE IMMEDIATE. Performance might be less than optimal.

*User response:* No action is required, but you should consider the following items:

- Increasing the value of MaxPackages for this apply request in the future. You can also adjust the values of the PackageUsage, StatementCount, and StatementUsage parameters to change how many packages High-speed Apply binds.
- Splitting your SQL input into more than one file to avoid reaching the MaxPackages limit.

BMCAPT0206I  PACKAGE STATISTICS

*Explanation:* This message is for DB2 and DB2 UDB.

This informational message provides performance and statistical data. High-speed Apply displays one message per apply request. The statistics include data for all packages that High-speed Apply uses during the request. The statistics include the number of distinct statement types in each package and the number of times that High-speed Apply used each package. Processing continues.

*User response:* No action is required.

BMCAPT0207W  Agent *agentID* issued force COMMIT due to resource shortage. Last Statement ID processed: *statementID*

*Explanation:* High-speed Apply has executed a COMMIT statement against the target database that was not determined by the settings of your [CommitTriggers] parameters or by a COMMIT statement in the input. High-speed Apply executed this COMMIT because of resource shortages affecting internal data buffers. The commit action took place at the point in the input file indicated by the *statementID*. For more information about the statement ID, see the High-speed Apply technical documentation.

If the apply request uses distribution by object, this message can indicate that the [CommitTriggers] parameters are set too high, requiring High-speed Apply to store information from too many SQL statements before work is committed. If the apply request uses distribution by UR, this message can indicate that the
original transactions (units of recovery) are too large for High-speed Apply to process efficiently with current resources.

Processing continues, but more commit actions might occur at points other than those determined by your parameters.

User response: No action is required, but you should consider the following items:

- Adjusting your [CommitTriggers] parameters to commit work more frequently (for distribution by object).
- Adjusting the number of SQL statements in the original transactions (for distribution by UR).

If your environment prevents you from adjusting High-speed Apply parameter values or the content of the original transactions, contact BMC Customer Support for assistance with adjusting internal data buffers.

**BMCACT0208I**  
**RIClustering is ignored due to RI checking option in UR distribution**

Explanation: This informational message tells you that High-speed Apply is ignoring the specified or default value of the RIClustering parameter. High-speed Apply takes this action because the URCheckRI parameter is Yes. High-speed Apply ignores the RIClustering parameter when either URCheckRI is Yes and DistributionType is UR. Processing continues.

User response: No action is required.

**BMCACT0209W**  
**Logical log DDL records skipped - unable to apply DDL catalog objects from versionNumber logical log input**

Explanation: This message is for DB2 only.

High-speed Apply is ignoring all data definition language (DDL) objects in an input logical log file because the DDL objects were generated by an earlier version of the Log Master for DB2 product. The current version of High-speed Apply cannot interpret DDL objects generated by an earlier version of Log Master for DB2. Processing continues.

Remember that DDL objects in an input logical log file are not the same as DDL statements in an input SQL file. A DDL object can represent multiple DDL statements and a DDL statement can represent multiple insert, update, or delete actions against several tables in the DB2 catalog.

User response: If you do not need to process the DDL objects, no action is required. If you need to process the DDL objects, work around the problem by using the version of the Log Master for DB2 product that was distributed with the current version of High-speed Apply. Using that version of Log Master for DB2, read the logical log file as input and generate an output logical log file.
The data content of the new logical log file is identical to the old, but the format of the DDL objects is compatible with the current version of High-speed Apply.

**BMCAPT0210I**  Updating Checkpoint Statement ID: `statementID`

*Explanation:* High-speed Apply displays this informational message only when it processes an apply request that saves restart information (The RestartType parameter is other than None). High-speed Apply displays the message each time it writes checkpoint information in the restart table. Processing continues.

The `statement id` represents the latest point in the input file that all apply agents have already processed. If you subsequently restart this apply request, High-speed Apply reads (but does not process) the input file to the point indicated by `statementID` before it begins examining the input file to determine which input statements have already been processed. For more information about the statement ID, see the High-speed Apply technical documentation.

*User response:* No action is required.

**BMCAPT0211I**  Number of input records skipping due to restart: `nnnnn`

*Explanation:* High-speed Apply displays this informational message only when you restart a partially completed apply request. It indicates that High-speed Apply will read (but not process) the number of records displayed in the message and then begin examining the input file to determine which input statements have already been processed. Processing continues.

The statements that are skipped during this portion of restart processing are not reflected in the RESTART count included in message BMCAPT111.

*User response:* No action is required.

**BMCAPT0212W**  QUIT statement ignored, but the statement was not the last statement in the input file

*Explanation:* This message is for Oracle only.

This warning message indicates that High-speed Apply is ignoring an SQL QUIT statement that did not occur at the end of the input. Some DBMSs support a QUIT statement to terminate an online SQL input session. The statement is normally the last statement in the input. Processing continues. (High-speed Apply does not honor the QUIT statement.)

*User response:* The response depends on whether the position of the QUIT statement is intentional. If the QUIT statement is positioned in error, High-speed Apply has ignored it and no action is required. If the QUIT statement is positioned intentionally (you intended to terminate processing before the end of the input), you should update your target database to reverse the effects of any SQL statements that occurred after the QUIT statement. In the future, do
not use the QUIT statement to control processing. Edit your input file to remove any SQL statements that you do not want to process.

**BMCAPT0213I**  
**Version of DBMS does not support SQL statements greater than length stmtLength**

*Explanation:* High-speed Apply displays this informational message when it encounters an SQL statement in the input that is longer than the maximum length supported by the target DBMS. The message displays the maximum statement length, based on the current version of the target DBMS.

High-speed Apply applies the long statement to the target DBMS. When the DBMS returns a negative SQL code for excessive length, the response depends on your conflict resolution rules. (By default, High-speed Apply terminates processing.)

*User response:* Examine the input to determine if the long statement can be split into two statements or changed in some other way. If necessary, run High-speed Apply again to apply the edited statement or statements to the target database.

**BMCAPT0214I**  
**supportingCodeText**

*Explanation:* This informational message displays the name and version number of supporting code from BMC that High-speed Apply uses. For example, High-speed Apply uses load modules that are part of the Solution Common Code for DB2 (SCC) component.

*User response:* No action is required. If your job does not complete successfully, you might need to provide this information to BMC Customer Support.

**BMCAPT0215I**  
**MAINT: productMaintenanceText**

*Explanation:* This informational message displays a list of maintenance fixes that have been applied to the load module that is currently running.

*User response:* No action is required. If your job does not complete successfully, you might need to provide this information to BMC Customer Support.

**BMCAPT0216**  
**DB2 VERSION versionNumber IS NOT SUPPORTED BY THIS UTILITY**

*Explanation:* This message is for DB2 only.

High-speed Apply displays this message when it is executed against a version of DB2 that is earlier than the earliest supported version. For more information on the supported versions of DB2, see the High-speed Apply technical documentation. Processing terminates.

*User response:* Execute High-speed Apply against a supported version of DB2.
BMCAPT0217I  An **codeValue** ABEND has occurred during execution, program proceeding with termination

Explanation: This message is for DB2 only.

High-speed Apply displays this informational message when its error recovery routine has been invoked in response to an abnormal termination. High-speed Apply continues with the process of termination.

User response: Determine the nature of the abnormal termination. If you can correct the situation, submit the job again. If you cannot correct the situation, contact BMC Customer Support. Have the output from the abnormally terminated job available (including the APTDUMP dump, if one was taken).

BMCAPT0218E  Invalid Logical Log control file - Duplicate control record **recordType**

Explanation: This message is for DB2 only.

Your configuration specifies a logical log file as input to the apply request. The control file for the logical log has more than one occurrence of a record that should only occur once. The message displays the type code of the duplicated record.

This error can occur when multiple logical log files are concatenated, instead of merged by using the Log Master for DB2 product. The error can also occur when a GDG base is incorrectly specified as an input file. Processing terminates.

User response: Examine your input file specification and input file. Correct any errors and run the apply request again.

BMCAPT0219W  Found untranslatable characters in **objectType** name, Unicode string in HEX: **hexValue** TABLE: **tableName**

Explanation: This message is for DB2 only.

High-speed Apply displays this warning message when it encounters Unicode characters in an object name within an input logical log file and it cannot translate at least one of the characters to EBCDIC. The message displays the type of the object (table creator, table, or column), the name of the affected table, and the character representation of the hexadecimal UTF-8 values of the original Unicode object name. Processing continues. High-speed Apply ignores the input record that contains the untranslatable characters.

User response: No action is required.

BMCAPT0220E  Dynamic Bind Exception - **errorType** - RC: **returnCode** - Output follows:

Explanation: This message is for DB2 only.

High-speed Apply is attempting to bind a package or plan by using services provided by the Solution Common Code for DB2 (SCC) component. Processing
has encountered the error condition displayed in the message. High-speed Apply displays the text description of the error as part of this message. Processing terminates.

User response: Contact BMC Customer Support.

BMCAPT0221E  Invalid DSN - dataSetName

Explanation: This message is for DB2 only.

High-speed Apply has resolved the symbolic substitutions in the conflict file (defer file) name provided in your configuration, but the result is not a valid data set name. High-speed Apply also issues a subsequent BMCAPT0059 message. Processing terminates.

User response: Edit your configuration to correct the specification of the conflict file name. Resubmit the apply request.

BMCAPT0222I  CONFLICT STATISTICS

Explanation: This informational message provides performance and statistical data. The message displays the number and type of conflicts that occurred during the apply request, based on the conflict rules defined in your configuration (or by default values). The values in this message reflect the number of conflicts that occur, not the number of statements that encounter conflicts. (One statement can encounter multiple conflicts, based on retry values and other conditions.)

High-speed Apply tracks conflicts based on the numeric SQL code associated with them. Conflict rules that use alphanumeric names (for example, Code=NoRows) are listed under the SQL code that the name resolves to (for example, 100). Each line of data in the message displays the number of INSERT, UPDATE, DELETE, and DDL (data definition language) statements that encountered a specific SQL code. The message also displays the total number of conflicts for each SQL code and totals for each type of statement.

High-speed Apply issues this message only when conflicts occur. The message includes lines of data only if a count value on the line is greater than zero. Processing continues.

User response: No action is required.

BMCAPT0223E  Version mismatch - Application Version callingVersion API Version apiVersion

Explanation: High-speed Apply is attempting to call another component, product or solution such as the Solution Common Code for DB2 (SCC) component. The current version of High-speed Apply is not compatible with
the version of the other software that is currently available. Processing
terminates.

User response: Contact BMC Customer Support.

**BMCAPT0224W**  
**Found untranslatable characters in DDL statement(s)**  

**Explanation:** High-speed Apply displays this warning when it encounters
Unicode characters in a data definition language (DDL) statement, but cannot
translate at least one of the characters to the CCSID required by the target DB2
subsystem. The untranslatable characters can occur in a DB2 object name or in a
string constant within a DDL statement. High-speed Apply includes substitute
characters (for example, \x'3F' ) in the DDL statement and continues
processing.

**User response:** If the untranslatable characters occur in a string constant, edit
the output DDL file before executing it. Use hexadecimal representation of
UTF-8 values to specify the complete constant. If the untranslatable characters
occur in a DB2 object name and you execute the file, you can encounter
negative SQL codes or create a DB2 object with a name that contains substitute
characters. Contact BMC Customer Support.

**BMCAPT0225W**  
**softwareName does not have a valid license on this system**  

**Explanation:** The password associated with the product or solution displayed
in this message is either expired or not valid. High-speed Apply has located
another password that is valid (for example, a password for a BMC solution).
Processing continues under the license associated with the valid password.

**User response:** No immediate action is required. Examine the license status of
the product or solution displayed in this message. If a license needs to be
issued or renewed, contact your BMC sales representative. If your research
indicates that the license for the displayed software should be valid, contact
BMC Customer Support.

**BMCAPT0226W**  
**INCLUDETRIGGER is not valid because LLOG input is inputType**  

**Explanation:** This message is for DB2 only.

The value of the IncludeTrigger parameter directs High-speed Apply to either
include or exclude input logical log records that result from trigger activity. High-
speed Apply displays this message when input records do not contain the
information needed to distinguish trigger records. This message can occur for
the following reasons:

- logical log input files were generated by a version of DB2 earlier than
  version 8.1
- logical log input files were generated by a version of Log Master for DB2
  earlier than 7.3
High-speed Apply ignores the IncludeTrigger parameter. Processing continues.

*User response:*  No action is required.

**BMCAPT0227E**  Restart failed - Mismatch configuration values in section *sectionName*

*Initial:*  *parameterNameValue01*

*Restart:*  *parameterNameValue02*

*Explanation:*  High-speed Apply displays this message only when you restart a partially completed apply request. The message indicates that

- at least one parameter value within a section of the configuration has changed between the initial run and the restarted run of the apply request

- the change to this parameter prevents High-speed Apply from restarting the apply request

Only changes to a limited set of parameters prevent a successful restart action. For example, parameters that change the distribution of work between agents (such as MaxAgents, DistributionType, PartitionClustering, or RIClustering).

*User response:*  Change the values of the displayed parameters to restore their original settings. Submit the apply request again.

**BMCAPT0228E**  Restart failed - *errorType* configuration section *sectionName* in restart

*Explanation:*  High-speed Apply displays this message only when you restart a partially completed apply request. The message indicates that at least one section of the configuration has been added or deleted between the initial run and the restarted run of the apply request. The message displays the name of the section and whether it is missing or extra (added after the initial run).

*User response:*  Your response depends on the content of the message:

- If the configuration section is extra, delete the section and all parameters within it, then submit the apply request again.

- If the configuration section is missing, restore the missing section and all parameters within it, then submit the apply request again.

To determine the parameter values in the missing section, examine the diagnostic file that High-speed Apply generates when it terminates with an error. The name of the file is specified by the FileName parameter in the [DiagnosticOutput] section. If the diagnostic output file is not available, explicitly specify the FileName parameter and submit the apply request again.

**BMCAPT0229W**  Table *tableName* does not have a usable unique index, all columns will be used for WHERE clause

*Explanation:*  This message is for DB2 only.
High-speed Apply displays this warning message when your job requests that the WHERE clauses for any applied database changes include the columns of a table's primary key index (the value of the Qualify configuration parameter is Key). However, the target table has no usable primary key index or unique key index. In this case, High-speed Apply includes all columns in the generated WHERE clauses. Processing continues.

User response: The response depends on the existence of a primary or unique index for the target table. If a primary or unique index does not exist, either create one for the target table or change the value of the Qualify parameter to a different value.

If a primary or unique index does exist, then determine why it was not usable. High-speed Apply Engine does not use an index for the following reasons:

- One of the target index key columns is not included in the source data.
- The column is a LOB column type, but IncludeLOB is set to NO or logical log data has no LOB info.
- The column is an XML column type, but IncludeXML is set to NO or logical log data has no XML info.
- The target column is a DB2 generated DOCID column for an XML column.
- The target column is a ROWID with GENERATED ALWAYS.
- The target column is defined with ROW CHANGE with GENERATED ALWAYS.
- The target column is an IDENTITY column with GENERATED ALWAYS.

Make appropriate changes, if necessary. For example, change the target column from IDENTITY column with GENERATE ALWAYS to BY DEFAULT.

---

**BMCAPT0230E**  
**Failure in DBD access - RC: returnCode - Any available text follows:**  
*Explanation:* This message is for DB2 only.

High-speed Apply is attempting to obtain information about DB2 objects from the database descriptor (DBD) by using the Solution Common Code for DB2 (SCC) component. High-speed Apply attempts to continue processing and obtain the required information directly from the DB2 catalog. Any available diagnostic information is displayed following this message.

High-speed Apply sometimes displays this message when the SCC component cannot acquire the “above the bar” memory that it needs to process. One common cause for this failure is that the MEMLIMIT parameter in SMS is set to...
0 and the REGION parameter in your JCL is set to a value other than 0M. These settings prevent the operating system from providing any memory above the bar.

If High-speed Apply can obtain the required information, it displays this message as a warning and processing continues. If it cannot obtain the required information, High-speed Apply displays this message as an error and processing terminates.

_user response:_ Verify whether above the bar memory is available to your job. If necessary, change your settings to allow the SCC component to obtain above the bar memory. If this message is displayed as an error, or for additional help determining the cause of the access failure, contact BMC Customer Support.

<table>
<thead>
<tr>
<th>BMCAPT0231I</th>
<th>dataValue will be used for columnType column columnName due to no logging Table: tableName [Partition: partitionNumber]</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Explanation:</em> This message is for DB2 only.</td>
<td></td>
</tr>
</tbody>
</table>

High-speed Apply displays this informational message as it attempts to process a logical log input file that includes data from a column with large volumes of data (such as an XML column or a LOB column). The message displays the type of large volume column.

The input file does not include any of the required column data for the displayed large volume column. The file does not contain the required data because the logging attribute of the table space associated with the large volume column was turned off during the period covered by the input file.

High-speed Apply generates and applies the database changes that are contained in the input file, but includes either default values or inline data (for inline LOBs) in the displayed large volume column. Processing continues.

_user response:_ If possible, obtain the required data for the large volume column from other sources and insert it into the column of the displayed table (or partition). If necessary, contact BMC Customer Support.

<table>
<thead>
<tr>
<th>BMCAPT0232W</th>
<th>LOB column not included in INSERT (for UNDO DELETE) due to LOB data not available on DELETE records Table: tableName</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Explanation:</em> This message is for DB2 only.</td>
<td></td>
</tr>
</tbody>
</table>

High-speed Apply displays this warning message when all of the following conditions exist:

- High-speed Apply is generating undo information from your logical log input file (the value of SQLType is Undo).
- The input file includes LOB column data (the value of IncludeLOB is Yes).
- The input file contains a delete action.
As High-speed Apply generates an INSERT statement to undo the delete action, it cannot include the appropriate LOB column data in the INSERT statement because the DB2 log record of the original delete action does not contain the required LOB column data.

High-speed Apply generates and applies an INSERT statement that does not include any LOB columns. After the INSERT statement is applied, each LOB column contains the column's defined default values. Processing continues.

User response: If possible, obtain and insert the required LOB column data into the LOB column of the displayed table. If necessary, contact BMC Customer Support.

**BMCAPT0233W**

LOB column `columnName` not included in UPDATE statement `statementID` due to LOB data not available

Table: `tableName`

Explanation: This message is for DB2 only.

High-speed Apply displays this warning message as it attempts to process a logical log input file that includes LOB column data (the value of IncludeLOB is Yes). The specific update action indicated by `statementID` includes a LOB column, but the input file does not include the required LOB column data. For more information about the statement ID, see the High-speed Apply technical documentation.

High-speed Apply generates and applies an UPDATE statement that does not include the displayed LOB column. After the UPDATE statement is applied, each LOB column contains the column's defined default value. Processing continues.

User response: If possible, obtain the required LOB column data from other sources and insert it into the displayed LOB column. If necessary, contact BMC Customer Support.

**BMCAPT0234I**

**ROW STATISTICS**

Explanation: This informational message provides performance and statistical data. It summarizes the number of table `rows` that are inserted, updated, or deleted during a given apply request. Other messages (for example, BMCAPT0081, BMCAPT0082I, or BMCAPT0166) display statistics for each type of `statement` that High-speed Apply commits, but in many cases one statement affects multiple rows. The number of statements committed can be very different from the number of rows affected, particularly when the value of the MultiRowInsert parameter is Yes.

This message displays row totals for each agent and the total of all agents. The values in the INSERT, UPDATE, and DELETE columns represent numbers of affected rows. The value in the MASSDEL column represents the number of mass delete actions that High-speed Apply performs and is not included in the total number of rows affected. (Some target DBMSs do not return the number
of rows affected by a TRUNCATE statement or a DELETE statement with no WHERE clause.) Processing continues.

User response: No action is required.

**BMCAPT0235I Multi-Row Inserts not supported for distribution by UR**

*Explanation:* This message is for DB2 only.

High-speed Apply displays this warning message when your job requests that

- one INSERT statement should be used to insert multiple rows (the value of the MultiRowInsert parameter is Yes)
- distribution of work between agents should be based on units of recovery (the value of the DistributionType parameter is UR)

High-speed Apply does not support this combination of processing modes. It honors the value of DistributionType and ignores the value of MultiRowInsert. Processing continues.

User response: To obtain multiple-row insert actions, change the value of the DistributionType parameter. If distribution by UR is required, change the value of (or delete) the MultiRowInsert parameter to avoid confusion in subsequent runs of your job.

**BMCAPT0236I High-speed Apply starting with Multi-Row Inserts**

*Explanation:* This message is for DB2 only.

This informational message tells you that High-speed Apply is using one INSERT statement to insert multiple rows (the value of the MultiRowInsert parameter is Yes). High-speed Apply uses the values of parameters in the [MultiRowInsert] section of the configuration. Processing continues.

User response: No action is required.

**BMCAPT0237W MaxConflicts threshold exceeded for Multi-Row Inserts, switching to Single-Row Inserts - Agent agentID**

*Explanation:* This message is for DB2 only.

High-speed Apply is using one INSERT statement to insert multiple rows (the value of the MultiRowInsert parameter is Yes). High-speed Apply keeps track of the number of times a conflict is encountered for any of the rows being inserted. This warning message tells you that the number of multi-row conflicts has exceeded the threshold value in your configuration (the value of the MaxConflicts parameter in the [MultiRowInsert] section). Remember that to simplify conflict processing, when a SQL code other than 0 or -911 is returned
for any row in a multi-row insert action, High-speed Apply counts the conflict as a multi-row conflict.

Processing continues, but during the remainder of your apply request the agent displayed in the message generates one INSERT statement for each row to be inserted.

**User response:** Use the contents of the conflict file and any additional messages to determine the reasons for the multi-row conflicts. If possible, change your processing to avoid the conflicts. If the cause of the conflicts is unavoidable, raise the value of the MaxConflicts parameter. If you need assistance, contact BMC Customer Support.

**BMCAPT0238I**  
**Successful connect to ssid (Release DB2Version DB2CatalogMode of DBMSName)**

*Explanation:* This message is for DB2 only.

This informational message tells you that High-speed Apply has successfully connected to the DB2 subsystem displayed in the message. This message also displays the name and the version number of the target subsystem. The message also displays the DB2 catalog migration mode (compatibility, enable-new-function, or new-function mode). Processing continues.

**User response:** No action is required.

**BMCAPT0239W**  
**Using default value for columnType column columnName in statement statementID due to data not available Table: tableName**

*Explanation:* This message is for DB2 only.

High-speed Apply displays this warning message as it attempts to process an input file that includes data from a column with large volumes of data (such as an XML column or a LOB column). The message displays the type of large volume column. The database change indicated by *statementID* includes the large volume column, but the input file does not include the required data for that column.

High-speed Apply generates and applies the required database change, but includes default values in the displayed large volume column. Processing continues.

**User response:** If possible, obtain the required data for the large volume column from other sources and insert it into the displayed column. If necessary, contact BMC Customer Support.

**BMCAPT0240I**  
**Multi-Row Inserts not supported on DB2 Version versionNumber**

*Explanation:* This message is for DB2 only.
Your job requests that High-speed Apply use one INSERT statement to insert multiple rows (the value of the MultiRowInsert parameter is Yes), but the target DBMS does not support this type of insert processing. The version of the target DBMS is displayed in the message.

*User response:* Either change the value of the MultiRowInsert parameter to disable multi-row insert processing or submit your job against a different target DBMS.

**BMCAPT0241E**  
*Input file and defer file are specified as the same file* `fileName`  
*Explanation:* Your apply request directs High-speed Apply to write any input statements to a conflict file if they encounter a conflict during processing (a conflict file is sometimes referred to as a defer file). However the name of the conflict file is the same as the name of the input file. Processing terminates.  
*User response:* Correct your apply request to specify a unique name for the conflict file and run the apply request again.

**BMCAPT0242E**  
*Operating system levels do not meet minimum requirements*  
*Explanation:* To take advantage of beneficial features, High-speed Apply relies on a minimum level of the current operating system. The requirements for operating system support are listed in the High-speed Apply technical documentation. The current operating environment does not meet these requirements.  
*User response:* Run your apply request on an operating system that meets the documented requirements. If the operating system appears to meet the minimum requirements, contact BMC Customer Support.

**BMCAPT0243E**  
*Missing XML String File*  
*Explanation:* This message is for DB2 only.  
High-speed Apply is attempting to apply data from an XML column to your target tables, but the current logical log input file does not define a separate XMLSTRINGS control file. (There is no DXSF record in the logical log control file.)  
The XMLSTRINGS control file contains the string IDs and string data that DB2 used to condense the XML data. (DB2 stores this data in the catalog table SYSIBM.SYSXMLSTRINGS.) If the target DB2 subsystem is not the same as the subsystem where the logical log was generated, High-speed Apply cannot decompress the XML data. Processing terminates.  
*User response:* Regenerate your logical log input and transport it so that the XMLSTRINGS control file is available and the logical log control file points to it. (One possible method is to use the XMLSTRING syntax keyword of the Log Master *for DB2* product). Use the new logical log file as input and run your apply request again.
BMCAPT0244E  actionType XML xmlAPIName API errorType - RC : returnCode, RS: reasonCode
Any available text follows: errorText

Explanation: This message is for DB2 only.

High-speed Apply has encountered a problem as it uses its internal XML software to process data that is related to XML column. This message can be a warning message or an error message, depending on the severity of the problem. The actionType and xmlAPIName values describe the XML software that High-speed Apply is attempting to use. The message displays the return code, reason code, and error text that the XML software returns to High-speed Apply. Processing can continue or terminate, depending on the severity of the problem.

User response: Use the information contained in this message and any other related messages to determine the cause of the problem. If possible, correct the problem. If necessary, contact BMC Customer Support.

BMCAPT0245I  XML - utilityOutputText

Explanation: This message is for DB2 only.

High-speed Apply displays this informational message as it calls a utility, service, or access method to processes data that is related to an XML column. This message displays the output that the other software returns to High-speed Apply. Processing continues.

User response: No immediate action is required. Examine any preceding or subsequent messages to determine your course of action. If necessary, contact BMC Customer Support.

BMCAPT0246E  recordBufferType buffer size bufferSize too small, record length_recordLength

Explanation: This message is for DB2 only. The specified type of record buffer is too small.

User response: Contact BMC Customer Support.

BMCAPT0247W  Found pending change(s) for table space tableName, cannot undo the specific pending change(s) for UNDO DDL

Explanation: This message is for DB2 only. High-speed Apply is trying to process a data definition language (DDL) statement. The product cannot UNDO a specific pending change for UNDO DDL. Comments in the DDL output show the pending changes.

User response: No action is required.

BMCAPT0248W  Some DDL statement text(s) not available due to LOB text data not found

Explanation: This message is for DB2 only. High-speed Apply is trying to process a data definition language (DDL) statement in an input logical log file.
The DDL statement text is stored in LOB data. This error occurs when you are running the product on a DB2 version 10 or later subsystem, and one of the following conditions exists:

- The input logical log file that you are using was not generated with INCLUDE LOBS or INCLUDE DDL.

- The LOB data is not available. This condition usually occurs on DELETE records when the product cannot find LOB data from a LOB table space image copy.

**User response:** If you are using an input logical log file, ensure that the file is generated with INCLUDE LOBS or INCLUDE DDL and submit the job again. To avoid the unavailable LOB data condition, regularly make image copies of system catalog and LOB table spaces. If the problem persists, contact BMC Customer Support.
BMCDBC0001 through BMCDBC0299

This message range contains error messages for the DBC component.

Messages BMCDBC0001 through BMCDBC0099

This group includes messages for the DBC component.

**BMCDBC0001**

**Message messageID not found**

*Explanation:* This message indicates an internal error.

*User response:* Gather all DBC output and contact BMC Customer Support.

**BMCDBC0002E**

**Error loading moduleName**

*Explanation:* An attempt to load module `moduleName` failed.

*User response:* Ensure that the module exists in the library containing the DBC product. If you cannot determine the cause of the error, gather all DBC output and the SYSLOG from the time of the error and contact BMC Customer Support.

**BMCDBC0003E**

**Cannot open file ddname reason = reasonText**

*Explanation:* An attempt to open file `ddname` failed.

*User response:* If `ddname` is DBCPARMS, ensure that this DD name is present in the DBC JCL and points to the DBC startup options. If `ddname` is DBCPRINT, ensure that this DD name is present in the DBC JCL and is defined as a SYSOUT file. If you cannot determine the cause of the error, gather all DBC output and contact BMC Customer Support.

**BMCDBC0004E**

**DBC|DBCUTIL is not APF authorized**

*Explanation:* The library from which DBCMAIN or DBCUTIL is executing is not APF authorized.

*User response:* Ensure that the library is added to the list of authorized libraries.
**BMCDBC0005E**  
**DBCASUBS function code=**functionCode**, return code=**returnCode**  
*Explanation:* This message indicates an internal error.  
*User response:* Gather all DBC output and contact BMC Customer Support.

**BMCDBC0006E**  
**Invalid cell pool descriptor at** cellPoolAddress  
*Explanation:* This message indicates an internal error.  
*User response:* Gather all DBC output and contact BMC Customer Support.

**BMCDBC0007E**  
**Attempt to free unallocated storage at** storageAddress  
*Explanation:* This message indicates an internal error.  
*User response:* Gather all DBC output and contact BMC Customer Support.

**BMCDBC0008E**  
**Read error on** dsname**, errorDescription**  
*Explanation:* An error occurred while DBC was trying to read data set dsname.  
*User response:* Browse the data set to ensure that it is not physically damaged. If you cannot determine the cause of the error, gather all DBC output and the SYSLOG from the time of the error and contact BMC Customer Support.

**BMCDBC0009I**  
**informationText**  
*Explanation:* This informational message displays the following types of information:  
- DBC control information  
- current list of applied PTF numbers  
- 80-bytes of a product definition XML document  
*User response:* No action is required.

**BMCDBC0010I**  
**XML string area expanded to** byteCount** bytes**  
*Explanation:* The internal buffer that contains the XML string has been expanded.  
*User response:* No action is required.

**BMCDBC0011E**  
**DBC parser failed to** errorText**, return code=**returnCode**, reason code=**reasonCode**  
*Explanation:* An XML parsing error occurred. The errorText identifies the specific parsing error.  
*User response:* Review the following table to determine possible errors and the appropriate responses.
<table>
<thead>
<tr>
<th>Error text</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| get `<TARGET>` DBCSSID node value            | A `<DBCSSID>` node was found within the scope of the `<TARGET>` specification, but the parser was unable to return the node value. This issue might indicate corruption in the internal XML parse structure.  
`User response:` Retry the request. If the problem persists, gather all diagnostic information and contact BMC Customer Support. |
| get `<TARGET>` MVSNNAME node value           | A `<MVSNNAME>` node was found within the scope of the `<TARGET>` specification, but the parser was unable to return the node value. This issue might indicate a corruption in the internal XML parse structure.  
`User response:` Retry the request. If the problem persists, gather all diagnostic information and contact BMC Customer Support. |
| get `<TARGET>` node sibling                  | A `<TARGET>` XML element was found but no actual command was found.  
`User response:` Add a command following the `<TARGET>` specification and retry the request.                                                                                                                                   |
| get `<TARGET>` node sibling name             | A command node was found following the `<TARGET>` specification, but the parser was unable to return the node name. This issue might indicate corruption in the internal XML parse structure.  
`User response:` Retry the request. If the problem persists, gather all diagnostic information and contact BMC Customer Support.                                                                 |
| get `<TARGET>` SMFID node value              | A `<SMFID>` node was found within the scope of the `<TARGET>` specification but the parser was unable to return the node value. This issue might indicate corruption in the internal XML parse structure.  
`User response:` Retry the request. If the problem persists, gather all diagnostic information and contact BMC Customer Support.                                                                 |
| invalid `<TARGET>` DBCSSID length            | A `<DBCSSID>` node value was found but the length of the supplied SSID is invalid. The maximum length for a SSID is 4 bytes.  
`User response:` Correct the `<DBCSSID>` value and retry the request.                                                                                       |
<table>
<thead>
<tr>
<th>Error text</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| invalid `<TARGET>` MVSNAME length              | A `<MVSNAME>` node value was found but the length of the supplied MVSNAME is invalid. The maximum length for MVSNAME is 8-bytes.  
*User response:* Correct the `<MVSNAME>` value and retry the request |
| invalid `<TARGET>` SMFID length                 | A `<SMFID>` node value was found but the length of the supplied SMFID is invalid. The maximum length for a SMFID is 4-bytes.  
*User response:* Correct the `<SMFID>` value and retry the request |
| get `<COMMAND>` node child                     | The `<COMMAND>` XML element was found but does not contain a required command.  
*User response:* Add a valid DBC command after the `<COMMAND>` element and retry the request. |
| get `<COMMAND>` node child name                | The parser failed to return 1st child node name of the `<COMMAND>` element. This may indicate an internal corruption in the parser structure.  
*User response:* Retry the request. If the problem persists, gather all diagnostic information and contact BMC Customer Support. |
| get `<TRACE>` PRINT node value                  | The `<PRINT>` element of the TRACE command has no value.  
*User response:* Supply one of the valid node values (YES|NO|ALL) and retry the request. |
| invalid `<EVENTDEF>` NAME value                | The supplied `<NAME>` value for the EVENTDEF element is invalid.  
*User response:* Correct the `<NAME>` value and retry the request. |
| invalid `<EVENTDEF>` DATAVAR value              | The supplied `<DATAVAR>` value for the EVENTDEF element is invalid.  
*User response:* Correct the `<DATAVAR>` value and retry the request. |
| get EVENTPUB `<NAME>` node sibling             | The parser failed while attempting to locate any optional `<DATAVAR>` XML elements.  
*User response:* Retry the request. If the problem persists, gather all diagnostic information and contact BMC Customer Support. |
<table>
<thead>
<tr>
<th>Error text</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| invalid <EVENTSUB> SUBID value | The supplied <SUBID> value for the EVENTSUB element is invalid.  
User response: Correct the <SUBID> value and retry the request.                                      |
| get doc element node          | The parser failed to locate the top node element of the current XML document. This issue might indicate an internal corruption in the parser structure.  
User response: Retry the request. If the problem persists, gather all diagnostic information and contact BMC Customer Support. |
| get node name                 | The parser failed to return the top node element name of the current XML document. This issue might indicate an internal corruption in the parser structure.  
User response: Retry the request. If the problem persists, gather all diagnostic information and contact BMC Customer Support. |
| get <PRODUCT> LOADLIB node value | The parser failed to return a value for the <LOADLIB> child node of the PRODUCT XML element. This issue might indicate an internal corruption in the parser structure.  
User response: Retry the request. If the problem persists, gather all diagnostic information and contact BMC Customer Support. |
<table>
<thead>
<tr>
<th>Error text</th>
<th>Description and user response</th>
</tr>
</thead>
<tbody>
<tr>
<td>get <code>&lt;EVENTPUB&gt;</code> NAME node value</td>
<td>The parser failed to return a value or name for the XML element identified in the error text. This may indicate an internal corruption in the parser structure. <em>User response:</em> Retry the request. If the problem persists, gather all diagnostic information and contact BMC Customer Support.</td>
</tr>
<tr>
<td>get <code>&lt;EVENTDEL&gt;</code> NAME node value</td>
<td></td>
</tr>
<tr>
<td>get <code>&lt;EVENTSUB&gt;</code> NAME node value</td>
<td></td>
</tr>
<tr>
<td>get <code>&lt;EVENTUNSUB&gt;</code> NAME node value</td>
<td></td>
</tr>
<tr>
<td>get <code>&lt;EVENTSUB&gt;</code> SUBID node value</td>
<td></td>
</tr>
<tr>
<td>get <code>&lt;EVENTDEF&gt;</code> NAME node value</td>
<td></td>
</tr>
<tr>
<td>get <code>&lt;EVENTDEF&gt;</code> DATAVAR node value</td>
<td></td>
</tr>
<tr>
<td>get <code>DBCCMD</code> node value</td>
<td></td>
</tr>
<tr>
<td>get DATAVAR node name</td>
<td></td>
</tr>
<tr>
<td>get DATAVAR node value</td>
<td></td>
</tr>
<tr>
<td>get PRODUCT node value</td>
<td></td>
</tr>
<tr>
<td>get FMID node value</td>
<td></td>
</tr>
<tr>
<td>get PIID node value</td>
<td></td>
</tr>
<tr>
<td>get SAFCLASS node value</td>
<td></td>
</tr>
<tr>
<td>get VERSION node value</td>
<td></td>
</tr>
<tr>
<td>get GROUP node value</td>
<td></td>
</tr>
<tr>
<td>get FUNCTION node value</td>
<td></td>
</tr>
<tr>
<td>get <code>&lt;FUNCTION&gt;</code> LOADLIB node value</td>
<td></td>
</tr>
<tr>
<td>get INIT node value</td>
<td></td>
</tr>
<tr>
<td>get TERM node value</td>
<td></td>
</tr>
<tr>
<td>get ENCLAVE node value</td>
<td></td>
</tr>
<tr>
<td>get SRB node value</td>
<td></td>
</tr>
<tr>
<td>get QUEUE node value</td>
<td></td>
</tr>
<tr>
<td>get AGENT node value</td>
<td></td>
</tr>
<tr>
<td>get <code>&lt;AGENT&gt;</code> CMD node value</td>
<td></td>
</tr>
<tr>
<td>get <code>&lt;AGENT&gt;</code> LOADLIB node value</td>
<td></td>
</tr>
<tr>
<td>get <code>&lt;AUTOEXEC&gt;</code> INIT node value</td>
<td></td>
</tr>
<tr>
<td>get PROCESS node value</td>
<td></td>
</tr>
<tr>
<td>get <code>&lt;PROCESS&gt;</code> CMD node value</td>
<td></td>
</tr>
<tr>
<td>get <code>&lt;PROCESS&gt;</code> STPARMS node value</td>
<td></td>
</tr>
<tr>
<td>get <code>&lt;PROCESS&gt;</code> PERM node value</td>
<td></td>
</tr>
<tr>
<td>get <code>&lt;PROCESS&gt;</code> SWAP node value</td>
<td></td>
</tr>
<tr>
<td>get <code>&lt;PROCESS&gt;</code> CANCEL node value</td>
<td></td>
</tr>
</tbody>
</table>

**BMCDBC0012E**  
**DBC parse error:** *descriptiveText*

*Explanation:* An internal parsing error occurred.

*User response:* Gather all DBC output and contact BMC Customer Support.
**BMCDBC0013E**  
DBC {Invalid DBCPARMS | Invalid OPTIONS | Duplicate OPTIONS | Missing OPTIONS | Invalid DBC_SAF_OPTIONS | Invalid DPRREPOS | Duplicate DPRREPOS} keyword *keyword*

*Explanation:* An invalid XML keyword was detected.

*User response:* Verify that the format of the DBC startup and security options is correct. If you cannot determine the incorrect option, gather all DBC output and contact BMC Customer Support.

**BMCDBC0014E**  
DBC unable to obtain storage for *object*

*Explanation:* Insufficient private area storage was available to satisfy a request.

*User response:* Ensure that the private area storage for the DBC address space is not limited by an installation exit, a region size default, or the REGION parameter. BMC recommends that you specify the REGION parameter as 0M. If the region does not appear to be limited, gather all DBC output and contact BMC Customer Support.

**BMCDBC0015E**  
DBC error {creating | retrieving} name/token, return code= *returnCode*

*Explanation:* This message indicates an internal error.

*User response:* Gather all DBC output and contact BMC Customer Support.

**BMCDBC0016E**  
DBC SSI {query | add | put | SSVT create | SSVT exchange | SSID activate | SSID deactivation} services error, return code= *returnCode*, reason code= *reasonCode*

*Explanation:* This message indicates an internal error.

*User response:* Gather all DBC output and contact BMC Customer Support.

**BMCDBC0017E**  
(Non-)DBC subsystem *ssid* already {active | defined}

*Explanation:* Another active DBC subsystem already used the specified *ssid* value in its DBC startup parameters, or another application already defined the *ssid* value.

*User response:* Ensure that a DBC subsystem with the specified *ssid* is not already active, and that the *ssid* is not being used for another application.

**BMCDBC0018E**  
DBC return code= *returnCode*, reason code= *reasonCode*

*Explanation:* This message is issued with other messages to list return and reason codes.

*User response:* For more information about the error, see the message that was issued with BMCDBC0018E.

**BMCDBC0019I**  
DBC created message queue, ID= *queueID*

*Explanation:* A DBC subsystem address space communication message queue was successfully created.

*User response:* No action is required.
BMCDBC0020I  DBC removed message queue, ID= queueID
Explanation: A DBC subsystem address space communication message queue was successfully deleted.
User response: No action is required.

BMCDBC0021E  DBC unable to remove message queue, ID= queueID, return code= returnCode, reason code= reasonCode
Explanation: This message indicates an internal error.
User response: Gather all DBC output and contact BMC Customer Support.

BMCDBC0022E  DBC unable to create queueName queue, reason code = reasonCode
Explanation: This message indicates an internal error.
User response: Gather all DBC output and contact BMC Customer Support.

BMCDBC0023E  DBC unable to create DPRCOMP
Explanation: This message indicates an internal error.
User response: Gather all DBC output and contact BMC Customer Support.

BMCDBC0024E  DPR XM queue service error, rc= returnCode rsn= reasonCode
Explanation: The request to start the DPR service for cross-address-space communication failed. The hexadecimal reason code indicates the cause of the error.
User response: Restart the DBC subsystem. If the problem persists, gather all DBC output and contact BMC Customer Support.

BMCDBC0025E  DBC unknown message type= messageType, rc= returnCode rsn= reasonCode
Explanation: The read request for the work queue failed because the returned message type is not known. This exceptional condition reflects internal data corruption within DBC.
User response: Retry the request. If the problem persists, gather all DBC output and contact BMC Customer Support.

BMCDBC0026E  component command queue read request error, rc= returnCode rsn= reasonCode
Explanation: A read request for the main service work queue for the specified DBC component failed with a return code greater than a warning. The hexadecimal value for the reason code indicates the reason for the failure.
User response: If possible, retry the request. If the problem persists, gather all DBC output and contact BMC Customer Support.
BMCDBC0027W  DPR XM queue read request warning, rc= returnCode rsn= reasonCode
Explanation: The read request returned a warning message. Processing continued with the next incoming request.
User response: Check for any DBC output that indicates the reason for the warning message.

BMCDBC0028E  DPR XM queue read request error, rc=returnCode rsn=reasonCode
Explanation: The request handler task for the service for cross-address-space communication detected an error while reading a request from the USS message queue. If the USS queue is removed from the system, or if the error count exceeded the maximum allowable error count of 100, the task terminates and restarts itself.
User response: Retry the request. If the error persists, check the SYSLOG for messages indicating the removal of a USS message queue, gather all DBC output, and contact BMC Customer Support.

BMCDBC0029E  DBC service(serviceName) start read response error, rc= returnCode rsn= reasonCode
Explanation: The service start request for the named service detected an error while attempting to read the response from the service manager. This exceptional condition reflects an internal error within DBC.
User response: Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

BMCDBC0030E  DBC service(serviceName) start error, rc= returnCode rsn= reasonCode
Explanation: The service manager response to a start request for the named service indicates an error. The service manager issues the message to indicate the cause of the error. This exceptional condition reflects an internal error within DBC.
User response: Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

BMCDBC0031E  DBC service(serviceName) stop read response error, rc= returnCode rsn= reasonCode
Explanation: The service stop request for the named service detected an error while attempting to read the response from the service manager. This exceptional condition reflects an internal error within DBC.
User response: Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

BMCDBC0032E  DBC service(serviceName) stop error, rc= returnCode rsn= reasonCode
Explanation: The service manager response to a stop request for the named service indicates an error. The service manager issues the reason code to
indicate the cause of the error. This exceptional condition reflects an internal error within DBC.

User response: Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

BMCDBC0033E  DBC service(serviceName) send cmd/msg read response error, rc=returnCode rsn=reasonCode

Explanation: The request to read the service manager response from a message or command send function for the named service failed. This exceptional condition reflects an internal error within DBC.

User response: Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

BMCDBC0034E  DBC service(serviceName) send cmd/msg error, rc=returnCode rsn=reasonCode

Explanation: The service manager response to a send message or send command function for the named service failed. The service manager issues the reason code to indicate the cause of the error. This exceptional condition reflects an internal error within DBC.

User response: Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

BMCDBC0035E  DBC service(serviceName) read request failed, rc=returnCode rsn=reasonCode

Explanation: The service manager request to read from the local work queue for the named service failed. This exceptional condition reflects an internal error within DBC.

User response: Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

BMCDBC0036E  DBC service(serviceName) invalid command='commandName', rc=returnCode rsn=reasonCode

Explanation: The process command function of the service manager for the named service has detected an unknown command. Valid internal commands for the service manager are SHUTDOWN, START, STOP, and MAXTASKS. This exceptional condition reflects an internal error within DBC.

User response: Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.
**BMCDBC0037E**  
**DBC service(serviceName) send request= requestName failed, rc= returnCode rsn= reasonCode**  
*Explanation:* The service manager detected an error while sending a work request to the service work task. This exceptional condition reflects an internal error within DBC.  
*User response:* Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

**BMCDBC0038E**  
**DBC service(serviceName) invalid START command, rc= returnCode rsn= reasonCode**  
*Explanation:* The service manager detected an error while processing an internal START work task command for the named service. The reason code identifies the cause of the error. This exceptional condition reflects an internal error in DBC.  
*User response:* Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

**BMCDBC0039W**  
**DBC service(serviceName) invalid STOP option, rc= returnCode rsn= reasonCode**  
*Explanation:* The service manager detected an invalid STOP service command that uses the FORCE option for the named service.  
*User response:* Review the accompanying message (BMCDBC0040W), which identifies the incorrect option.

**BMCDBC0040W**  
**DBC service(serviceName) STOP option='optionText' ignored**  
*Explanation:* This message follows message BMCDBC0039W and identifies the incorrect FORCE option that is being ignored. The service STOP command defaults to an action type of QUIESC.  
*User response:* BMC recommends that you report this warning to BMC Customer Support because the command responsible for this message is generated by DBC and should not cause a warning message.

**BMCDBC0041W**  
**DBC service(serviceName) request='stopAllTasks', rc= returnCode rsn= reasonCode**  
*Explanation:* The service manager detected a nonzero return value from the stopAllTasks function for the named service. The reason code identifies the cause of the error.  
*User response:* BMC recommends that you report this message to BMC Customer Support because this function normally does not generate a warning message.
**BMCDBC0042E**  
**DBC service**(*serviceName*) **invalid queue type=’queueType’, rc= returnCode rsn= reasonCode**

*Explanation:* The service class constructor detected an invalid queue type for the named service. This exceptional condition reflects an unrecoverable internal error in DBC.

*User response:* Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

**BMCDBC0043E**  
**DBC service**(*serviceName*) **task manager start failed, rc= returnCode rsn= reasonCode**

*Explanation:* The service class routines detected an error while attempting to start the service manager task for the named service. This exceptional condition reflects an internal error in DBC.

*User response:* Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

**BMCDBC0044E**  
**DBC task start request invalid, rc= returnCode rsn= reasonCode**

*Explanation:* The task class routines detected an invalid module name on the task start request. The reason code clarifies the cause of the error. This exceptional condition reflects an internal error in DBC.

*User response:* Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

**BMCDBC0045E**  
**DBC task start for module=’moduleName’ failed, rc= returnCode rsn= reasonCode**

*Explanation:* The task class routines detected an error during the ATTACH process for the named module. The task object created for this module is marked as being in error. The reason code clarifies the cause of the error. This exceptional condition reflects an internal error in DBC.

*User response:* Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

**BMCDBC0046E**  
**DBC task **taskClass** sendRequest=’request’ failed, rc= returnCode rsn= reasonCode**

*Explanation:* The send request function of the task class failed. The address identifies the instance of the task class, and the reason code clarifies the cause of the error. This exceptional condition reflects an internal error in DBC.

*User response:* Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.
**DBC task** taskClass invalid queue type='queueType', rc= returnCode rsn= reasonCode

Explanation: The task class routines detected an invalid queue type condition. The invalid queue type value is identified in the message. This exceptional condition reflects an internal error in DBC.

User response: Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

**DBC service(serviceName) task taskClass start failed, rc= returnCode rsn= reasonCode**

Explanation: The service class routines detected an error while attempting to start the service-managed work task. The reason code identifies the cause of the error. This exceptional condition reflects an internal error in DBC.

User response: Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

**DBC service(serviceName) SHUTDOWN opt='optionText' invalid, rc= returnCode rsn= reasonCode**

Explanation: The service class routines for the named service detected an invalid shutdown command option. The message identifies the invalid option. This exceptional condition reflects an internal error in DBC.

User response: Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

**DBC service(serviceName) SHUTDOWN request ignored**

Explanation: This message is issued by the service class routines and accompanies message BMCDBC0049E. The messages indicate that the service shutdown request was invalid and will be ignored.

User response: No action is required.

**DBC component main service start failed, rc= returnCode rsn= reasonCode**

Explanation: The service start request for the specified DBC component of the DBC subsystem failed. This exceptional condition reflects an internal error within DBC.

User response: If possible, retry the request. If the problem persists, gather all DBC output and contact BMC Customer Support.

**DBC service(serviceName) shutdown response error, rc= returnCode rsn= reasonCode**

Explanation: The service shutdown method sent a shutdown request to the service manager for the named service; however, the subsequent read response to the shutdown request failed. The reason code indicates the cause of the failure. This exceptional condition reflects an internal error within DBC.

User response: Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.
**BMCDBC0054E**  
DBC service(*serviceName*) shutdown error, rc= *returnCode* rsn= *reasonCode*  

*Explanation:* The service shutdown method successfully sent a shutdown request to the service manager for the named service; however, the response from the service manager indicates a problem. The return code and reason code in the messages are from the service manager itself and indicate the cause of the failure. This exceptional condition reflects an internal error within DBC.  

*User response:* Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

---

**BMCDBC0055W**  
DBC service(*serviceName*) start for 'programName' rejected, rc= *returnCode* rsn= *reasonCode*  

*Explanation:* A service start request for *programName* was rejected for the named service. The reason code indicates the cause of the failure. The most common cause of the problem is that the subsystem is already shutting down or the service is stopping.  

*User response:* Confirm the subsystem status and retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

---

**BMCDBC0056W**  
DBC service(*serviceName*) command 'commandName' rejected, rc= *returnCode* rsn= *reasonCode*  

*Explanation:* A request to send the displayed command to the named service was rejected. The reason code indicates the cause of the failure. The most common cause of the problem is that the subsystem is already shutting down or the service is stopping.  

*User response:* Confirm the subsystem status and retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

---

**BMCDBC0057W**  
DBC service(*serviceName*) request error, rc= *returnCode* rsn= *reasonCode*  

*Explanation:* A request to send a message to the work task for the named service failed. The reason code indicates the cause of the failure. The most common cause of the problem is that the subsystem is already shutting down or the service is stopping.  

*User response:* Confirm the subsystem status and retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

---

**BMCDBC0058W**  
DPR invalid SHUTDOWN option, rc= *returnCode* rsn= *reasonCode*  

*Explanation:* The DPR component of the DBC subsystem received a shutdown request; however, the syntax for the optional FORCE option was invalid. The DPR component ignores the FORCE option, and the system defaults to a normal shutdown.  

*User response:* No action is required.
BMCDBC0059W  DPR SHUTDOWN option='optionName' ignored

*Explanation:* This message accompanies BMCDBC0058W to indicate that the invalid FORCE option is ignored.

*User response:* No action is required.

BMCDBC0060E  DPR SHUTDOWN request failed, rc= returnCode rsn= reasonCode

*Explanation:* The request to shut down the cross-address-space communication service of the DPR component of the DBC subsystem failed. The reason code indicates the cause of the error. This exceptional condition reflects an internal error within DBC.

*User response:* Gather all DBC output and contact BMC Customer Support.

BMCDBC0061E  component invalid command='commandName', rc= returnCode rsn= reasonCode

*Explanation:* The specified DBC component received an invalid command. The command in error is displayed.

*User response:* If the command was issued manually by an operator, correct the syntax and retry the command. If the error occurred as a result of a DBC subsystem STOP request, gather all DBC output and contact BMC Customer Support.

BMCDBC0062E  DPR service='serviceName' STOP request failed, rc= returnCode rsn= reasonCode

*Explanation:* During deactivate processing of the DPR component of the DBC subsystem, the main service stop request failed. The reason code identifies the cause of the error. This exceptional condition reflects an internal error within DBC.

*User response:* Gather all DBC output and contact BMC Customer Support.

BMCDBC0063E  component request='requestName' is invalid, rc=returnCode rsn=reasonCode

*Explanation:* The specified DBC component received an invalid request. The name of the request in error is displayed.

*User response:* Review the following table to determine possible errors and the appropriate responses:

<table>
<thead>
<tr>
<th>Component</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| CMD       | The main request handler of the CMD component of the DBC subsystem received an invalid request.  
  *User response:* If the DBC batch utility program (DBCUTIL) sent the request, correct the syntax and restart the job. If another BMC product generated the request, gather all DBC output and contact BMC Customer Support. |
### Component Description and user response

<table>
<thead>
<tr>
<th>Component</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| DPR       | The cross-address-space request handler of the DPR component of the DBC subsystem received an invalid request. This message is accompanied by message BMCDBC0064I, which lists the recognized DPR requests.  

*User response:* If the DBC batch utility program (DBCUTIL) sent the request, correct the syntax and restart the job. If another BMC product generated the request, gather all DBC output and contact BMC Customer Support. |
| XCF       | The main request handler of the XCF component of the DBC subsystem received an invalid request. This exceptional condition reflects an internal error within the DBC.  

*User Response:* Gather all DBC output and contact BMC Customer Support. |

#### BMCDBC0064I

**component requests are 'requestNames'**

*Explanation:* This message accompanies BMCDBC0063E and lists all of the valid requests for the specified DBC component.  

*User response:* No action is required.

#### BMCDBC0065E

**DPR PDM loadlib='loadLibraryName' allocation error, rc= returnCode rsn= reasonCode**

*Explanation:* The DPR component of the DBC subsystem failed to allocate the load library while processing an initialization request.  

*User response:* Ensure that the <PDM_LOCATION> XML parameter of the <INITPRODBYPDM> command identifies a valid cataloged load library data set, and retry the request.

#### BMCDBC0066E

**DPR PDM pdmName failed for module='moduleName', rc= returnCode rsn= reasonCode**

*Explanation:* The DPR component of the DBC subsystem was processing an initialization request, but the OPEN or LOAD for the named product definition module (PDM) failed.  

*User response:* Ensure that the <PDM_LOCATION> XML parameter of the <INITPRODBYPDM> command identifies a valid cataloged load library data set, and retry the request. If the problem persists, check the DBC subsystem JESMSGLG for JES messages that help to identify the specific cause of the problem.

#### BMCDBC0067I

**DPR (tcbAddress) calling PDM= loadLibraryName(moduleName) for FMID='fmid' and PIID='piid'**

*Explanation:* The DPR component of the DBC subsystem is starting to call the named product definition module (PDM) for the specified FMID and optional PIID. The PDM returns the product definition XML document to the DPR component. The document contains all of the attributes of the product (identified by the FMID and optional PIID) that will be initialized within the address space of the DBC subsystem.  

*User response:* No action is required.
**BMCDBC0068E**  
**DPR (tcbAddress) PDM get error code= errorCode, rc= returnCode rsn= reasonCode**

*Explanation:* The named PDM, called by the DPR component of the DBC subsystem as a result of an `<INITPRODBYPDM>` request, returned an error condition. The error code and the return code are returned directly from the PDM. The codes should be documented in the message manual for the product that is identified by the FMID in message BMCDBC0067I. The reason code indicates which specific DPR module detected the error, and the action it was performing at the time of error.

*User response:* Retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.

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**BMCDBC0069E**  
**DPR <INITPROD> request='requestString' failed, rc= returnCode rsn= reasonCode**

*Explanation:* The DPR component failed to process an `<INITPRODBYPDM>` request. The request string identifies the specific PDM that returned the product definition XML document that is being processed. The request string has the following form:

```
pdmLocation(pdmName) FMID=pdmFmid PIID=pdmID
```

The variables represent the following values:

- The `pdmLocation` value represents the data set name of the load library that contains the PDM.
- The `pdmName` value represents the name of the PDM.
- The `pdmFmid` value represents the SMP/E FMID for this product.
- *(optional)* The `pdmID` value represents the unique product ID within the scope of the FMID.

If this error is due to a badly formed product definition XML document, message BMCDBC0011E is also issued. Otherwise, this message occurs because of an error during product initialization.

*User response:* Check for other error and informational messages that help to identify the specific cause of the problem. If the problem is due to a badly formed product definition XML document, check the product manuals that are associated with the BMC product identified by the FMID for information about correcting the product definition XML document. After correcting the document, retry the request. If the error persists, gather all DBC output and contact BMC Customer Support.
**BMCDBC0070E**  
DPR parser handle is invalid, rc= returnCode rsn= reasonCode  

*Explanation:* This internal error indicates that a null XML parser handle was passed to the initialization method of the product object. This condition should not occur, and the most likely cause of this condition is memory corruption.

*User response:* Gather all DBC output and contact BMC Customer Support.

**BMCDBC0071E**  
DPR <INITPROD> failed, error= errorText rc= returnCode rsn= reasonCode  

*Explanation:* The DPR component of the DBC subsystem detected an error during <INITPROD> request processing.

*User response:* Review the following table to determine possible errors and perform the appropriate responses:

<table>
<thead>
<tr>
<th>Error condition</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| add AGENT keyed list         | *(internal error)* The failure occurred when the DPR component attempted to add a data set name to the list of load libraries associated with an agent.  
User response: Gather all output and contact BMC Customer Support |
| add FUNCTION keyed list      | *(internal error)* A failure occurred when the DPR component attempted to add a data set name to the list of load libraries associated with a function.  
User response: Gather all output and contact BMC Customer Support. |
| add PRODUCT keyed list       | *(internal error)* A failure occurred when the DPR component attempted to add a product to the list of initialized products.  
User response: Gather all output and contact BMC Customer Support. |
| add product loadlib list     | *(internal error)* A failure occurred when the DPR component attempted to add an entry to the product load library list.  
User response: Gather all output and contact BMC Customer Support. |
| add SRB keyed list           | *(internal error)* A failure occurred when an entry was added to the product SRB list object.  
User response: Gather all output and call BMC Customer Support. |
| duplicate <PRODUCT> DSN      | Duplicate product load library data set names were specified in the product definition XML document.  
User response: Remove the duplicate product <LOADLIB> entry in the product definition XML document, and retry the initialization request. |
| duplicate <PRODUCT> key      | The product that is being initialized into this instance of the DBC subsystem was already initialized.  
User response: Terminate the existing product and retry the initialization request. |
| duplicate AGENT loadlib      | A duplicate load library data set name was detected within the scope of an individual agent definition.  
User response: Remove the duplicate <LOADLIB> data set name from the product definition XML document, and retry request. |
<table>
<thead>
<tr>
<th>Error condition</th>
<th>Description and user response</th>
</tr>
</thead>
<tbody>
<tr>
<td>duplicate AGENT name</td>
<td>A duplicate <code>&lt;AGENT&gt;</code> definition was found in the product definition XML document. <em>User response:</em> Remove the duplicate <code>&lt;AGENT&gt;</code> from the product definition XML document and retry the request.</td>
</tr>
<tr>
<td>duplicate ENCLAVE name</td>
<td>A duplicate <code>&lt;ENCLAVE&gt;</code> definition was found in the product definition XML document. <em>User response:</em> Remove the duplicate <code>&lt;ENCLAVE&gt;</code> from the product definition XML document and retry the request.</td>
</tr>
<tr>
<td>duplicate FUNCTION loadlib</td>
<td>A duplicate load library data set name was detected within the scope of an individual function definition. <em>User response:</em> Remove the duplicate <code>&lt;LOADLIB&gt;</code> entry for the function in the product definition XML document.</td>
</tr>
<tr>
<td>duplicate FUNCTION name</td>
<td>A duplicate <code>&lt;FUNCTION&gt;</code> definition was found in the product definition XML document. <em>User response:</em> Remove the duplicate <code>&lt;FUNCTION&gt;</code> from the product definition XML document and retry the request.</td>
</tr>
<tr>
<td>duplicate SRB name</td>
<td>A duplicate <code>&lt;SRB&gt;</code> definition was found in the product definition XML document. <em>User response:</em> Remove the duplicate <code>&lt;SRB&gt;</code> from the product definition XML document and retry the request.</td>
</tr>
<tr>
<td>init <code>&lt;AGENT&gt;</code> AUTOEXEC node table</td>
<td>A syntax error was found during processing of child nodes of the agent <code>&lt;AUTOEXEC&gt;</code> element in the product definition XML document. The child nodes are <code>&lt;INIT&gt;</code> and <code>&lt;TERM&gt;</code>. <em>User response:</em> Check for diagnostic messages that indicate the specific cause of the problem, correct the product definition XML document, and retry the request.</td>
</tr>
<tr>
<td>init <code>&lt;AGENT&gt;</code> node table</td>
<td>A syntax error was found processing the child nodes of the <code>&lt;AGENT&gt;</code> element in the product definition XML document. Child elements include <code>&lt;ENCLAVE&gt;</code>, <code>&lt;PRIORITY&gt;</code>, <code>&lt;LOADLIB&gt;</code>, and <code>&lt;AUTOEXEC&gt;</code>. <em>User response:</em> Check for diagnostic messages that indicate the exact cause of the problem, correct the product definition XML document, and retry the request.</td>
</tr>
<tr>
<td>init <code>&lt;FUNCTION&gt;</code> AUTOEXEC node table</td>
<td>A syntax error was found during processing of child nodes of the function <code>&lt;AUTOEXEC&gt;</code> element in the product definition XML document. Child nodes are <code>&lt;INIT&gt;</code> and <code>&lt;TERM&gt;</code>. <em>User response:</em> Check for diagnostic messages that indicate the specific cause of the problem, correct the product definition XML document, and retry the request.</td>
</tr>
<tr>
<td>init <code>&lt;FUNCTION&gt;</code> node table</td>
<td>A syntax error was found processing the child nodes of the <code>&lt;FUNCTION&gt;</code> element in the product definition XML document. Child elements include <code>&lt;ENCLAVE&gt;</code>, <code>&lt;PRIORITY&gt;</code>, <code>&lt;LOADLIB&gt;</code>, and <code>&lt;AUTOEXEC&gt;</code>. <em>User response:</em> Check for diagnostic messages that indicate the exact cause of the problem, correct the product definition XML document, and retry the request.</td>
</tr>
<tr>
<td>Error condition</td>
<td>Description and user response</td>
</tr>
<tr>
<td>---------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| init <INITPRODBYPDM> node table | The <INITPRODBYPDM> XML command document contains a syntax error.  
*User response:* Correct the XML for the INITPRODBYPDM command, and retry the request. |
| init <PROCESS> AUTOEXEC node table | A syntax error was found during processing of child nodes of the process <AUTOEXEC> element in the product definition XML document. The child nodes are <INIT> and <TERM>.  
*User response:* Check for diagnostic messages that indicate the specific cause of the problem, correct the product definition XML document, and retry the request. |
| init <PROCESS> node table | A syntax error was found during processing of child nodes of the <PROCESS> element in the product definition XML document. Child nodes are <CANCEL>, <PERM>, <SWAP>, <AUTOEXEC>, and <STPARMS>.  
*User response:* Check for diagnostic messages that indicate the specific cause of the problem, correct the product definition XML document, and retry the request. |
| init <PRODUCT> node table | An error occurred while the DPR component was parsing the product definition XML document.  
*User response:* Look for DBC diagnostic messages to identify the specific syntax error. Correct the error, and retry the initialization request. |
| init <SRB> node table | A syntax error was found processing the child nodes of the <SRB> element in the product definition XML document. The child elements include <ENCLAVE> and <AUTOEXEC>.  
*User response:* Check for diagnostic messages that indicate the exact cause of the problem, correct the product definition XML document, and retry the request. |
| invalid <AGENT> PRIORITY | The agent PRIORITY value identified by the <PRIORITY> node in the product definition XML document contains an invalid value. Valid values include LOW, MEDIUM, and HIGH.  
*User response:* Correct the PRIORITY value in the product definition XML document, and retry the request. |
| invalid <FUNCTION> PRIORITY | The function PRIORITY value identified by the <PRIORITY> node in the product definition XML document does not contain a valid value. Valid values are LOW, MEDIUM, and HIGH.  
*User response:* Correct the PRIORITY value in the product definition XML document, and retry the request. |
| invalid <PROCESS> CANCEL | The process CANCEL value identified by the <CANCEL> node in the product definition XML document does not contain a valid value. Valid values are YES and NO.  
*User response:* Correct the CANCEL value in the product definition XML document, and retry the request. |
<table>
<thead>
<tr>
<th>Error condition</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| `invalid <PROCESS>` STPARMS | The ASCRE start string is 124-bytes long and starts with the started task procedure name, optionally followed by a comma and parameters (for example, IEASYSAS,PROG=IEFBR14). The length of the `<STPARMS>` value must be less than the 124-byte length of the procedure name.  
*User response:* Correct the STPARMS value in the product definition XML document, and retry the request. |
| `invalid <PROCESS>` PERM | The process PERM value identified by the `<PERM>` node in the product definition XML document does not contain a valid value. Valid values are YES and NO.  
*User response:* Correct the PERM value in the product definition XML document, and retry the request. |
| `invalid <PROCESS>` SWAP | The process SWAP value identified by the `<SWAP>` node in the product definition XML document does not contain a valid value. Valid values are YES and NO.  
*User response:* Correct the SWAP value in the product definition XML document, and retry the request. |
| `invalid <PRODUCT>` DSN length | The load library data set name identified through a `<LOADLIB>` XML node of the product definition XML document has an invalid length.  
*User response:* Correct the `<LOADLIB>` data set name, and retry the initialization request. |
| `invalid <SRB> QUEUE value` | The `<QUEUE>` option controls whether an input work queue will be created for this SRB. The value specified for this option is incorrect.  
Valid values are YES or NO. A value of YES indicates that the SRB is capable of receiving messages through the DBC API `<SEND>` command and can respond to those messages through the provided queue service interface.  
*User response:* Modify the `<QUEUE>` value to be either YES or NO and retry the request. |
| `invalid AGENT <AUTOEXEC>` INIT value | The agent INIT value identified by the `<INIT>` node in the product definition XML document does not contain a valid value. Valid values are YES and NO.  
*User response:* Correct the INIT value in the product definition XML document, and retry the request. |
| `invalid AGENT <AUTOEXEC>` TERM value | The agent TERM value identified by the `<TERM>` node in the product definition XML document does not contain a valid value. Valid values are YES and NO.  
*User response:* Correct the TERM value in the product definition XML document, and retry the request. |
| `invalid AGENT <ENCLAVE>` value | The `<ENCLAVE>` name value associated with an AGENT definition is invalid. The length of the name can be a maximum of 8 bytes.  
*User response:* Correct the `<ENCLAVE>` name and retry the request. |
<table>
<thead>
<tr>
<th>Error condition</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| invalid AGENT length                  | The product agent module name identified by the `<AGENT>` node in the product definition XML document is invalid. The name cannot exceed 8 bytes.  
*User response:* Correct the AGENT name in the product definition XML document, and retry the request. |
| invalid ENCLAVE <ZIIP> value          | The `<ZIIP>` value associated with an `<ENCLAVE>` definition must specify either YES or NO.  
*User response:* Correct `<ZIIP>` value in product definition XML document and retry the INITPROD request.   |
| invalid FMID length                   | The product FMID identified by the `<FMID>` node in the product definition XML document is invalid. The length should be 7 bytes.  
*User response:* Correct the FMID value in the product definition XML document, and retry the request. |
| invalid FUNCTION <AUTOEXEC> INIT value| The function INIT value identified by the `<INIT>` node in the product definition XML document does not contain a valid value. Valid values are YES and NO.  
*User response:* Correct the INIT value in the product definition XML document, and retry the request. |
| invalid FUNCTION <AUTOEXEC> TERM value| The function TERM value identified by the `<TERM>` node in the product definition XML document does not contain a valid value. Valid values include YES and NO.  
*User response:* Correct the TERM value in the product definition XML document, and retry the request. |
| invalid FUNCTION <ENCLAVE> value      | The `<ENCLAVE>` name value associated with a FUNCTION definition is invalid. The length of the name can be a maximum of 8 bytes.  
*User response:* Correct the `<ENCLAVE>` name and retry the request. |
| invalid FUNCTION length               | The product function module name identified by the `<FUNCTION>` node in the product definition XML document is invalid. The name cannot exceed 8 bytes.  
*User response:* Correct the FUNCTION name in the product definition XML document, and retry the request. |
| invalid GROUP length                  | The product GROUP name identified by the `<GROUP>` node in the product definition XML document is invalid. The name cannot exceed 8 bytes.  
*User response:* Correct the GROUP value in the product definition XML document, and retry the request. |
| invalid pdmFmid length                | The length of the product FMID is invalid. The length should be 7 bytes. The FMID is identified through the `<PDMFMID>` element in the product definition XML document.  
*User response:* Correct the FMID value in the product definition XML document, and retry the request. |
<table>
<thead>
<tr>
<th>Error condition</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| invalid PDM_NAME length | The length of the load library data set name of the PDM module is invalid. The length cannot exceed 44 bytes. The PDM module is identified through the `<PDM_LOCATION>` element in the product definition XML document.  
*User response:* Correct the data set name, and retry the request. |
| invalid PDM_PIID length | The length of the PIID is invalid. The length cannot exceed 16 bytes. The PIID is identified through the `<PDM_PIID>` node in the product definition XML document.  
*User response:* Correct the PIID value in the product definition XML document, and retry the request. |
| invalid PIID length      | The product PIID identified by the `<PIID>` node in the product definition XML document is invalid. The PIID cannot exceed 16 bytes.  
*User response:* Correct the PIID value in the product definition XML document, and retry the request. |
| invalid PROCESS <AUTOEXEC> INIT value | The process INIT value identified by the `<INIT>` node in the product definition XML document does not contain a valid value. Valid values are YES and NO.  
*User response:* Correct the INIT value in the product definition XML document, and retry the request. |
| invalid PROCESS <AUTOEXEC> TERM value | The process TERM value identified by the `<TERM>` node in the product definition XML document does not contain a valid value. Valid values are YES and NO.  
*User response:* Correct the TERM value in the product definition XML document, and retry the request. |
| invalid PROCESS length   | The name of the product process started task identified by the `<PROCESS>` node in the product definition XML document is invalid. The name cannot exceed 8 bytes.  
*User response:* Correct the PROCESS name in the product definition XML document, and retry the request. |
| invalid SAF class length | The product SAF resource class identified by the `<SAFCLASS>` node in the product definition XML document is invalid. The class name cannot exceed 8 bytes.  
*User response:* Correct the SAFCLASS value in the product definition XML document, and retry the request. |
| invalid SRB              | The SRB value identified by the `<SRB>` node in the product definition XML document does not contain a valid value. Valid values are YES and NO.  
*User response:* Correct the SRB value in the product definition XML document, and retry the request. |
| invalid SRB <AUTOEXEC> INIT value | The `<AUTOEXEC>` option controls whether this SRB is started automatically during product initialization. The value specified for this value is incorrect. The only valid values are **YES** or **NO**. A value of **YES** indicates the SRB is automatically started.  
*User response:* Modify the `<AUTOEXEC>` value to be either **YES** or **NO**. |
<table>
<thead>
<tr>
<th>Error condition</th>
<th>Description and user response</th>
</tr>
</thead>
<tbody>
<tr>
<td>invalid SRB &lt;AUTOEXEC&gt; TERM</td>
<td>The &lt;AUTOEXEC&gt; option controls whether this SRB will be started automatically during product termination. The value specified for this value is incorrect. The only valid values are <strong>YES</strong> or <strong>NO</strong>. A value of <strong>YES</strong> indicates the SRB is automatically started. <strong>User response:</strong> Modify the &lt;AUTOEXEC&gt; value to be either YES or NO and retry the request.</td>
</tr>
<tr>
<td>invalid SRB &lt;ENCLAVE&gt; value</td>
<td>The &lt;ENCLAVE&gt; name value associated with an SRB definition is invalid. The length of the name can be a maximum of 8 bytes. <strong>User response:</strong> Correct the &lt;ENCLAVE&gt; name and retry the request.</td>
</tr>
<tr>
<td>invalid SRB length</td>
<td>The module name associated with the &lt;SRB&gt; definition has an invalid length. The length of the module name can be a maximum of 8 bytes. <strong>User response:</strong> Correct the &lt;SRB&gt; module name and retry the request.</td>
</tr>
<tr>
<td>loadlib DSN length</td>
<td>The length of the data set name for a load library associated with a product agent or function definition is invalid. <strong>User response:</strong> Correct the &lt;LOADLIB&gt; value in the product definition XML document, and retry the initialization request.</td>
</tr>
<tr>
<td>missing &lt;PRODUCT&gt;</td>
<td>The product definition XML document is invalid because the required &lt;PRODUCT&gt; node is missing. <strong>User response:</strong> Add the &lt;PRODUCT&gt; node to the product definition XML document, and retry the request.</td>
</tr>
<tr>
<td>persist command to DPR repository</td>
<td>The &lt;INITPROD&gt; or &lt;INITPRODBYPDM&gt; command could not be persisted to the DPR repository due to an error. <strong>User response:</strong> Refer to a previous DBC error message in the DBC message log to determine the specific cause of the error. If needed, gather all DBC output and contact BMC Customer Support.</td>
</tr>
<tr>
<td>product code length</td>
<td>The product code identified by the &lt;PRODUCT&gt; node in the product definition XML document is invalid. The length should be 3 bytes. <strong>User response:</strong> Correct the product code in the product definition XML document, and retry the request.</td>
</tr>
<tr>
<td>PRODUCT enable</td>
<td>The product ENABLE request failed. <strong>User response:</strong> Gather all output and contact BMC Customer Support.</td>
</tr>
<tr>
<td>SAFOPTS error</td>
<td><em>(internal error)</em> The request to retrieve the SAF resource class for the DPR COMMAND category failed. <strong>User response:</strong> Gather all output and contact BMC Customer Support.</td>
</tr>
<tr>
<td>SAFOPTS not found</td>
<td><em>(internal error)</em> The SAF security options object was not successfully initialized. <strong>User response:</strong> Gather all output and contact BMC Customer Support.</td>
</tr>
</tbody>
</table>
BMCDBC0072E  DBC required parameter='parameterName' not found, rc= returnCode, rsn= reasonCode

Explanation: The DPR component of the DBC subsystem detected a missing parameter, as identified by parameterName.

User response: Correct the XML command document by adding the required parameter, and retry the request.

BMCDBC0073E  DBC null pointer object pointer, rc= returnCode, rsn= reasonCode

Explanation: This internal error occurs when a NULL object pointer is found. This condition should not occur and might indicate internal data corruption.

User response: Gather all DBC output and contact BMC Customer Support.

BMCDBC0074E  DBC authorization check failed due to internal error, rsn= reasonCode

Explanation: The SAF authorization routine detected an internal error. The reason code identifies the error.

User response: Gather all DBC output and contact BMC Customer Support.

BMCDBC0075E  DBC user not authorized: userid= userID, class= className, resource= resourceName, SAF rc= returnCode, ESM rc= returnCode, ESM rsn= reasonCode

Explanation: A request for access to a DBC resource was denied due to an authorization failure. The message shows the user ID, SAF resource class, resource name, return code from the SAF call, and the External Security Manager’s return and reason code.

Possible reasons for this failure are as follows:

- The resource name has not been defined to the External Security Manager (ESM), and the ALLOW_SAF_RC4 option of the DBC SAF security options is set to NO.

- The user has not been granted permission to the resource that the error message identifies.

User response: Notify the security administrator of this failure, and determine whether the user identified in the message text should be granted authorization to the named resource.

BMCDBC0076E  DBC failed to process the DBC security XML

Explanation: This generic message indicates that a problem occurred while processing the DBC security options. The DBCSECUR DD statement, specified in the started task JCL procedure for the DBC subsystem, identifies the location of the DBC security options.

User response: Check for diagnostic error messages that identify the specific cause of the problem, correct the security options XML document, and retry the subsystem startup.
**BMCDBC0077E**  
**DBC function failed item='itemValue' ERR=\% function(\% item), rc=returnCode, rsn=reasonCode**

*Explanation:* This generic message indicates that an internal error was detected.

*User response:* Review the following table to determine possible errors and the appropriate responses:

<table>
<thead>
<tr>
<th>Function</th>
<th>Item</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| DECONCAT | DD   | The deconcatenation request for the given DD name failed. The ERR= value indicates the reason for the error, and the reason code identifies the DBC module that detected the problem.  
*User response:* Check the JESMSGLG output of the DBC subsystem for any messages that indicate the specific cause of the error, and retry the request. If the problem persists, gather all DBC output and contact BMC Customer Support. |
| ALLOC    | DSN  | The allocation request for the given data set name failed. The ERR= value indicates the reason for the error, and the reason code identifies the DBC module that detected the problem.  
*User response:* Ensure that the data set name exists and is cataloged. If the data set name is invalid, correct the data set name in the appropriate place:  
  - If the data set name is specified for a DPR product, correct the product definition XML document.  
  - If the data set name is specified for the DPR repository, correct the DPR repository name in the DBC startup options.  
  Check the JESMSGLG output of the DBC subsystem for any IEC\* messages that might indicate the specific cause of the error, and retry the request. If the problem persists, gather all DBC output and contact BMC Customer Support. |
| CONCAT   | DSN  | The concatenation request for the given data set name failed. The ERR= value indicates the reason for the error, and the reason code identifies the DBC module that detected the problem.  
*User response:* Ensure that the data set name exists and is cataloged. If the data set name is invalid, correct the product definition XML document. Check the JESMSGLG of the DBC subsystem for any IEC\* messages that might indicate the specific cause of the error, and retry the request. If the problem persists, gather all DBC output and contact BMC Customer Support. |
<table>
<thead>
<tr>
<th>Function</th>
<th>Item</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| IDENTIFY     | MODNAME               | The request to identify the named module failed. The ERR= value indicates the reason for the error, and the reason code identifies the DBC module that detected the problem.  
  *User response:* Retry the request. If the problem persists, gather all DBC output and contact BMC Customer Support. |
| IDENTIFY     | CREATE:DYNMOD         | The request to create a DYNMOD object failed. The ERR= value indicates the reason for the error, and the reason code identifies the DBC module that detected the problem.  
  *User response:* Retry the request. If the problem persists, gather all DBC output and contact BMC Customer Support. |
| IDENTIFY     | ADD:DYNMOD            | The request to add a DYNMOD object to the list of dynamic routines failed. The ERR= value indicates the reason for the error, and the reason code identifies the DBC module that detected the problem.  
  *User response:* Retry the request. If the problem persists, gather all DBC output and contact BMC Customer Support. |
| GETEPADDR    | DYNMOD                | The request to retrieve the entry point address for the named dynamic module failed. The ERR= value indicates the reason for the error, and the reason code identifies the DBC module that detected the problem.  
  *User response:* Retry the request. If the problem persists, gather all DBC output and contact BMC Customer Support. |
| DEALLOC      | DSN                   | The deallocation request for the given data set name failed. The ERR= value indicates the reason for the error, and the reason code identifies the DBC module that detected the problem.  
  *User response:* No action is necessary. If the problem persists, gather all DBC output and contact BMC Customer Support. |
| RESOURCE_CL  | COMPONENT create      | The request to create a SAFCLASS object for a given DBC component failed. The ERR= value indicates the reason for the error, and the reason code identifies the DBC module that detected the problem.  
  *User response:* Retry the request. If the problem persists, gather all DBC output and contact BMC Customer Support. |
<table>
<thead>
<tr>
<th>Function</th>
<th>Item</th>
<th>Description and user response</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAFCLASS create</td>
<td>CLASSLIST</td>
<td>The request to add a SAF resource class object to the class list for the component category identified by the CLASSLIST value failed. This failure is probably caused by a duplicate &lt;COMPONENT&gt; entry for the same category within the &lt;RESOURCE_CLASS&gt; XML element in the SAF start options. The SAF startup options are identified by the DBCSECUR DD statement in the started task for the DBC subsystem. <em>User response:</em> Correct the SAF startup options and restart the DBC subsystem.</td>
</tr>
</tbody>
</table>

**BMCDBC0078E**  
**DBC DPR Enable request for** **PRODUCT=** `productCode.fmid.piid` **failed, rc=** `returnCode`  
*Explanation:* The DPR component of the DBC subsystem detected an error while processing of product enable requests. This message is a generic error message and identifies the product instance:

- The *productCode* value represents the 3-byte product code.
- The *fmid* value represents the 7-byte SMP/E FMID of the product.
- The *piid* value represents the 16-byte product instance identifier that uniquely identifies a product within the scope of an FMID.

A more specific diagnostic message precedes this message to identify the specific cause of the problem.

*User response:* Check for more specific BMCDBC **nnnnx** error messages and perform the appropriate action.

**BMCDBC0079E**  
**DIRL function failed for** **DD=** `'function'`, **rc=** `returnCode`, **rsn=** `reasonCode`  
*Explanation:* The DBC directed load service issues this message to indicate that a specific function request failed.

*User response:* Review the following table to determine possible errors and the appropriate responses:
<table>
<thead>
<tr>
<th>Function</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| CREATE   | The request to create a directed load object failed. The reason code indicates the cause of the error, as follows:  
  - OBJECT=AGENT (agent object creation)  
  - OBJECT=FUNCTION (function object creation)  
  - OBJECT=PRODUCT (product object creation)  
  - OBJECT=PDM (product INITPRODBYPDM processing)  
  - OBJECT=TASK (agent or function execution)  
  - OBJECT=SRB (SRB object creation)  
  *User response:* Gather all DBC output and contact BMC Customer Support. |
| OPEN     | The request to open a logical load library failed. The DD value identifies the dynamic DD name in error, and the reason code indicates the cause.  
  *User response:* Check the JESMSGLG of the DBC subsystem for any messages that might help diagnose the problem. Gather all DBC output and contact BMC Customer Support. |
| LOAD     | The request to perform a directed load of the named module failed. The reason code indicates the cause of the error.  
  *User response:* Ensure that the named module exists in a load library that is defined either in the product definition XML file for the DPR-initialized product, or is in the STEPLIB concatenation of the DBC subsystem or the system LINKLIST concatenation. |
| CLOSE    | The request to close the named directed load DD failed. The reason code indicates the cause of the error.  
  *User response:* Check the JESMSGLG output of the DBC subsystem for any messages that might help diagnose the problem. Gather all DBC output and contact BMC Customer Support. |

**BMCDBC0080E**  
**DBC DD function failed for objectType='objectName', rc= returnCode rsn= reasonCode**  

*Explanation:* The DPR component of the DBC subsystem detected an error during allocation or concatenation of the logical load library (that is, the dynamic STEPLIB) for the named object type.

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALLOC</td>
<td>The dynamic allocation of all AGENT or FUNCTION load libraries failed. The reason code indicates the cause of the error.</td>
</tr>
<tr>
<td>Function</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
</tr>
<tr>
<td>CONCAT</td>
<td>The dynamic concatenation of the AGENT or FUNCTION load libraries failed. The reason code indicates the cause of the error.</td>
</tr>
</tbody>
</table>

*User response:* Check the DBCPRINT and JESMSGLG SYSOUT for the DBC subsystem for any messages that might help diagnose the problem. Ensure that all load libraries that are defined in the product definition XML document are cataloged and that their data set names are correct. Retry the request. If the problem persists, gather all DBC output and contact BMC Customer Support.

**BMCDBC0081S**  
**DBC unable to get SMFID because SMF is not active**

*Explanation:* This severe error indicates that the System Management Facilities (SMF) component of this z/OS system is not active, and the DBC security service is unable to extract the SMFID of the current LPAR. DBC needs the SMFID value to determine the resource name context for all internal security control points. This error causes the initialization of the security interface to fail.

*User response:* Ensure that the SMF component is active, and restart the DBC subsystem.

**BMCDBC0082I**  
**DPR PRODUCT='code.fmid.piid' successfully action, rc= returnCode**

*Explanation:* This informational message indicates that a specific instance of a BMC product has been initialized or terminated into the DBC subsystem address space:

- The `code` value represents the 3-byte BMC product code.
- The `fmid` value represents the 7-byte SMP/E FMID of the BMC product.
- The `piid` value represents the optional 16-byte field that identifies a unique instance of a product within the scope of an FMID.
- The `action` value indicates whether the product has been initialized or terminated.

*User response:* No action is required.

**BMCDBC0083E**  
**DPR <EXECUTE> failed, error='errorText' rc= returnCode rsn= reasonCode**

*Explanation:* The DPR component of the DBC subsystem detected an error during EXECUTE processing.

*User response:* Review the following table to determine possible errors and the appropriate responses:
<table>
<thead>
<tr>
<th>Error text</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| init `<EXECUTE>` node table    | The DPR component detected a syntax error while processing the child nodes of the `<EXECUTE>` element in the XML command stream. The child nodes include `<PRODUCT>`, `<FMID>`, `<PIID>`, and `<FUNCTION>`.  
  *User response:* Check for diagnostic messages that indicate the cause of the problem. Correct the command request and retry the command. |
| invalid product code length    | The length of product code value supplied by the `<PRODUCT>` element is invalid. The length should be 3 bytes.  
  *User response:* Correct the product code in the command request and retry. |
| invalid FMID length            | The length of product FMID value supplied by the `<FMID>` element is invalid. The FMID value should be 7 bytes.  
  *User response:* Correct the product FMID in the command request and retry. |
| invalid PIID length            | The length of product instance identifier (PIID) value supplied by the `<PIID>` element is invalid. The PIID value cannot exceed 16 bytes.  
  *User response:* Correct the product PIID in the command request and retry. |
| product not initialized        | The product identified by the product code, FMID, and optional PIID is not initialized in this DBC subsystem.  
  *User response:* Run the product `<INITPROD>` and retry the request. |
| invalid function name length   | The length of the function name supplied on the EXECUTE request through the `<FUNCTION>` element is invalid. The function name value cannot exceed 8 bytes.  
  *User response:* Correct the function name and retry the request. |
| function not found             | The function could not be found as part of the initialized product identified by the `<PRODUCT>`, `<FMID>`, and `<PIID>` values. The most likely causes of this problem are as follows:  
  ■ the function is not part of the product  
  ■ the function name is incorrect  
  *User response:* Correct the function name either on the EXECUTE command request or in the product definition XML document, and reinitialize the product |

**BMCDBC0084W**  
**DPR object='objectName' not found**  
*Explanation:* This common message indicates that an error was detected.  
*User response:* Review the following table to determine possible errors and the appropriate responses:
<table>
<thead>
<tr>
<th>Object name</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| Active AGENT | The DPR component could not locate an active agent task. Related message BMCDBC0099E identifies the function that is being performed. The active agent name has the following form: 
'code.fmid.piid.moduleName.taskid'  
- The `code` value represents the 3-byte BMC product code.  
- The `fmid` value represents the 7-byte SMP/E FMID of the product.  
- The `piid` value represents the optional 16-byte product instance ID.  
- The `moduleName` value represents the agent module name.  
- The `taskid` value represents the ID of the agent task.  
  *User response:* Correct the command request parameters (<PRODUCT>, <FMID>, <PIID>, <AGENT>, and <TASKID>). Retry the request, or start the agent task and retry the request. |
| Active SRB | The DPR component could not locate an active SRB. Related message BMCDBC0099E identifies the function that is being performed. The active SRB name has the following form:  
'code.fmid.piid(moduleName.srbid)'  
- The `code` value represents the 3-byte BMC product code.  
- The `fmid` value represents the 7-byte SMP/E FMID of the product.  
- The `piid` value represents the optional 16-byte product instance ID.  
- The `moduleName` value represents the SRB module name.  
- The `srbid` value represents the ID of the SRB.  
  *User response:* Correct the command request parameters (<PRODUCT>, <FMID>, <PIID>, <SRB>, and <SRBID>). Retry the request, or start the SRB and retry the request. |
| AGENT | The named agent could not be found. Related message BMCDBC0100E identifies the specific instance of the product that does not contain the named agent.  
  *User response:* Correct the command request XML parameters (<PRODUCT>, <FMID>, <PIID>, and <AGENT>) to identify an agent, and retry the request |
<table>
<thead>
<tr>
<th>Object name</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| FUNCTION        | The named function could not be found. Related message BMCDBC0085E identifies the specific instance of the product that does not contain the named function.  
User response: Correct the command request XML parameters (<PRODUCT>, <FMID>, <PIID>, and <FUNCTION>) to correctly identify a function, and retry the request. |
| PROCESS         | The named process could not be found. Related message BMCDBC0100E identifies the specific instance of the product that does not contain the named process.  
User response: Correct the command request XML parameters (<PRODUCT>, <FMID>, <PIID>, and <PROCESS>) to correctly identify a process, and retry the request |
| PRODUCT KEY     | The DPR component could not locate an initialized version of the requested product. A related message (BMCDBC0083E, BMCDBC0099E, or BMCDBC0106E) indicates the specific command request that failed. The product key is in the following form:  
'code.fmid.piid'  
- The code value represents the 3-byte BMC product code.  
- The fmid value represents the 7-byte SMP/E FMID of the product.  
- The piid value represents the optional 16-byte product instance ID.  
User response: Correct the command request XML parameters (<PRODUCT>, <FMID>, and <PIID>) to correctly identify an initialized product, or initialize the product by using the DPR <INITPROD> command request. |
| TASKSTOP <FORCE> option | The TASKSTOP command is an internal DPR request. The most likely cause of this error is internal data corruption.  
User response: Gather all DBC output and contact BMC Customer Support |

**BMCDBC0085E**  
**DPR command for object=‘code.fmid.piid(name.id)’ failed, rc= returnCode rsn= reasonCode**  
Explaination: The DPR component of the DBC subsystem detected an error during command request processing. This message identifies the object type and the specific instance of the product object to which the command relates:  
- The command value identifies the specific XML command request being processed.  
- The object value represents the DPR object type associated with this command.  
- The code value represents the 3-byte BMC product code.
• The *fnid* value represents the 7-byte SMP/E FMID of the product.

• The *piid* value represents the optional 16-byte product instance ID.

• The name value represents the object name.

• The optional *id* value represents the instance identifier for the object.

The reason code identifies the specific module detecting the error; see DBC error codes on page 36 for more information. The return code indicates the severity of the error.

*User response:* Your response depends on the value of the return code:

• A return code of 4 indicates a warning and could be caused by the unavailability of the optional DPR repository data set. Processing of the command request will continue. No action is required.

• A return code of 8 indicates an error and that the command request has aborted. Check the DBC subsystem log for messages that indicate the root cause of the problem, correct any invalid syntax, and retry the request. For further assistance, contact BMC Customer Support.

**BMCDBC0086E**

DPR BUILDM request for function='*object*' failed, rc= *returnCode* rsn= *reasonCode*

*Explanation:* The DBC directed load service issues this message to indicate that a specific function request failed.

*User response:* Review the following table to determine possible errors and the appropriate responses:

<table>
<thead>
<tr>
<th>Function</th>
<th>Description and user response</th>
</tr>
</thead>
<tbody>
<tr>
<td>CREATE</td>
<td>The request to create a directed load object failed. The reason code indicates the cause of the error:</td>
</tr>
<tr>
<td>• OBJECT=AGENT (agent object creation)</td>
<td></td>
</tr>
<tr>
<td>• OBJECT=FUNCTION (function object creation)</td>
<td></td>
</tr>
<tr>
<td>• OBJECT=PRODUCT (product object creation)</td>
<td></td>
</tr>
<tr>
<td>• OBJECT=PDM (product INITPRODBYPDM processing)</td>
<td></td>
</tr>
<tr>
<td>• OBJECT=TASK (agent/function execution)</td>
<td></td>
</tr>
<tr>
<td>• OBJECT=SRB (SRB object creation)</td>
<td></td>
</tr>
</tbody>
</table>

*User response:* Gather all DBC output, and contact BMC Customer Support.
<table>
<thead>
<tr>
<th>Function</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| OPEN | The request to open a logical load library failed. The DD value identifies the dynamic DD name in error, and the reason code indicates the cause.  
*User response:* Check the JESMSGLG of the DBC subsystem for any messages that help diagnose the problem. Gather all DBC output, and contact BMC Customer support. |
| LOAD | The request to perform a directed load of the named module failed. The reason code indicates the cause of the error.  
*User response:* Ensure that the named module exists in a load library that is defined in one of the following locations:  
- the product definition XML document for the DPR-initialized product  
- the STEPLIB concatenation of the DBC subsystem  
- the system LINKLIST concatenation |
| CLOSE | The request to close the named directed load DD failed. The reason code indicates the cause of the error.  
*User response:* Check the JESMSGLG of the DBC subsystem for any messages that might help diagnose the problem. Gather all DBC output and contact BMC Customer Support. |

**BMCDBC0087W**

DBC SERVICE(*svcName*) detected TASK(*taskAddr*) abnormally terminated:

*PGM=* *moduleName*, TCB=* tcbAddr*, TCBCMP=* tbcCompletionCode*

*Explanation:* The service manager component of the DBC subsystem detected a work task that abnormally failed. The message displays the following values:

- The *svcName* value represents the name of the DBC service  
- The *taskAddr* value represents the address of the task object  
- The *moduleName* value represents the program name of the failed task  
- The *tcbAddr* value represents the TCB address of failed task  
- The *tbcCompletionCode* value represents the TCB completion code

*User response:* No action is required.

**BMCDBC0088I**

DBC version *vv. rr. mm* initialization complete

*Explanation:* This informational message displays the version and release information of DBC. The message indicates that the subsystem initialization has completed and all DBC components have been activated.

*User response:* No action is required.
**BMCDBC0089I** DBC shutdown in progress

*Explanation:* This informational message indicates that the DBC subsystem is shutting down.

*User response:* No action is required.

**BMCDBC0090E** DBC SVC screening enablement failed, rc= returnCode rsn= reasonCode

*Explanation:* The DPR component of the DBC subsystem detected an error while attempting to enable SVC screening for an agent or function object. The reason code indicates the specific DPR component that detected the error. This error prevents the execution of a DPR-initializ ed agent or function.

*User response:* Gather all DBC output and contact BMC Customer Support.

**BMCDBC0091E** DBC BMC DBC issued SDUMPX (reasonCode)

*Explanation:* The DBC detected an internal error and issued the SDUMPX macro to create a dump for diagnostic purposes.

*User response:* Gather all DBC output and contact BMC Customer Support.

**BMCDBC0092E** DBC failed to read input due to internal error, rsn= reasonCode

*Explanation:* The internal DBC I/O service detected an invalid input parameter list. This critical error could indicate internal data corruption.

*User response:* Retry the request. If the problem persists, gather all DBC output and contact BMC Customer Support.

**BMCDBC0093E** DBC unauthorized request command object= objectName, rc= returnCode rsn= reasonCode

*Explanation:* The DBC component detected a security authorization failure. The reason code indicates the specific DBC component that detected the error. Related message BMCDBC0075E contains the USERID, SAF resource class, and resource name associated with the security violation.

<table>
<thead>
<tr>
<th>Command</th>
<th>Object name</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXECUTE</td>
<td>FUNCTION</td>
<td>The requestor was not authorized to execute the named function.</td>
</tr>
<tr>
<td>INITPROD</td>
<td>COMPONENT</td>
<td>The requestor was not authorized to issue the INITPROD command for the named DBC component.</td>
</tr>
<tr>
<td>SEND</td>
<td>COMPONENT</td>
<td>The requestor was not authorized to issue the SEND command for the named DBC component.</td>
</tr>
<tr>
<td>START</td>
<td>AGENT</td>
<td>The requestor was not authorized to issue the START command to the named agent.</td>
</tr>
<tr>
<td>START</td>
<td>PROCESS</td>
<td>The requestor was not authorized to issue the START command for the named process.</td>
</tr>
<tr>
<td>START</td>
<td>SRB</td>
<td>The requestor was not authorized to issue the START command for the named SRB.</td>
</tr>
<tr>
<td>Command</td>
<td>Object name</td>
<td>Explanation</td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td>STOP</td>
<td>AGENT</td>
<td>The requestor was not authorized to issue the STOP command to the named agent.</td>
</tr>
<tr>
<td>STOP</td>
<td>PROCESS</td>
<td>The requestor was not authorized to issue the STOP command for the named process.</td>
</tr>
<tr>
<td>STOP</td>
<td>SRB</td>
<td>The requestor was not authorized to issue the STOP command for the named SRB.</td>
</tr>
<tr>
<td>TRACE</td>
<td>COMPONENT</td>
<td>The requestor was not authorized to issue the TRACE command.</td>
</tr>
</tbody>
</table>

**User response:** Gather all diagnostic error messages (including message BMCDBC0075E), and contact your security administrator.

**BMCDBC0094E**  
**DBC internal authorization error, rc= returnCode rsn= reasonCode**  
**Explanation:** The DBC security interface detected an error on the call to the Security Authorization Facility (SAF) interface. This error indicates that the authorization request was never received by any External Security Manager (ESM) because the SAF call failed. The reason code indicates the specific DBC component that detected the error. This internal error condition might indicate internal data corruption.  
**User response:** Gather all DBC output and contact BMC Customer Support.

**BMCDBC0095E**  
**DBC parameter='parameterName' is invalid, rc= returnCode rsn= reasonCode**  
**Explanation:** A DBC component detected an invalid parameter. The message identifies the invalid parameter, and the reason code identifies the specific component.

<table>
<thead>
<tr>
<th>Parameter name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLASS NAME</td>
<td>The SAF resource class name supplied to the SAFCLASS object constructor is invalid.</td>
</tr>
<tr>
<td>COMPONENT NAME</td>
<td>The DBC component name supplied to the SAFCLASS object constructor is invalid.</td>
</tr>
</tbody>
</table>
| COMPONENT TYPE | The DBC component type supplied to the SAFCLASS object constructor is invalid. The known component types are:  
1=COMMAND 
| EPADDR         | The entry point address required by the dynamic module service is NULL. |
| EPNAME         | The entry point name passed to the dynamic module service is invalid. |
| FMID           | The supplied BMC FMID is invalid. All BMC FMID values should be 7-bytes in length. |
| PIID           | The supplied product instance identifier (PIID) in invalid. All PIID values should be a maximum of 16-bytes in length. |
| PRODUCT CODE   | The supplied BMC product code is invalid. All BMC product codes should be 3-bytes in length. |
These internal error conditions should not occur and could indicate internal data corruption.

*User response:* Retry the request. If the problem persists, gather all DBC output and contact BMC Customer Support.

**BMCDBC0096E**

DBC unable to locate DYNAMN routine='moduleName', rc= returnCode rsn= reasonCode

*Explanation:* A DBC component could not find the named module in the dynamic module list when trying to attach the dynamic module as a subtask. The reason code identifies the specific component that detected the error. This internal error condition should not occur and might indicate internal data corruption.

*User response:* Retry the request. If the problem persists, gather all DBC output and contact BMC Customer Support.

**BMCDBC0097E**

DBC identify failed for DYNAMN routine='moduleName', rc= returnCode rsn= reasonCode

*Explanation:* The dynamic module service failed to identify the named module’s entry point. The reason code identifies the specific component that detected the error. This internal error condition should not occur and could indicate internal data corruption.

*User response:* Retry the request. If the problem persists, gather all DBC output and contact BMC Customer Support.

**BMCDBC0098E**

DBC cannot locate objectName anchor, rc= returnCode rsn= reasonCode

*Explanation:* The dynamic module service failed to identify the anchor address of the named object. The following list identifies potential objects:

- DBCT indicates the DBC subsystem primary bootstrap object.
- DYNAMN indicates a dynamic module object.
- DPRCOMP indicates the DPR component object.
- DPRQUEUE indicates the DPR component queue object.
- DPRSERVICE indicates the DPR main service manager.
- MAI31QUEUE indicates the work queue object for DBCMAI31.
- CMDQUEUE indicates the command work queue object for the CMD component.
- EMSQUEUE indicates the EMS component queue object.
- XMQSERVICE indicates the DPR component service manager object.
- QUEUETOKEN indicates the queue object token.
- XCFCOMP indicates the XCF component object.
- XCFQUEUE indicates the XCF component queue object.
- CMDSRCLIST indicates the subsystem command queue object for the CMD component.

The reason code identifies the specific component that detected the error. This internal error condition should not occur and could indicate internal data corruption.

**User response:** Retry the request. If the problem persists, gather all DBC output and contact BMC Customer Support.

### BMCDBC0099E

**DPR command failed, error='errorText' rc= returnCode rsn= reasonCode**

**Explanation:** The DPR component of the DBC subsystem detected an error condition.

**User response:** Review the following table to determine possible errors and the appropriate responses:

<table>
<thead>
<tr>
<th>Error text</th>
<th>Command</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| ambiguous command syntax       | ENABLE   | The command is ambiguous due to conflicting object identification criteria.  
|                                | DISABLE  |                               |
|                                |          | **User response:** Correct the ambiguity by ensuring only one object type is specified (that is, FUNCTION, AGENT, PROCESS or SRB), and retry the request. |
| agent not active               | SEND     | A request to send a message to an active agent task failed because the agent is not active.  
|                                |          | **User response:** Ensure the agent task is started and the <TASKID> parameter correctly identifies an active agent. Check all other identification parameters (<PRODUCT>, <FMID> and the optional <PIID>) are valid and retry the request. |
| agent not active               | STOPAGENT| A request to stop an active agent task failed, because the agent was not active.  
<p>|                                |          | <strong>User response:</strong> Ensure that the &lt;TASKID&gt; parameter correctly identifies an active agent task. Ensure that all STOPAGENT command parameters are valid, and retry the request. |</p>
<table>
<thead>
<tr>
<th>Error text</th>
<th>Command</th>
<th>Description and user response</th>
</tr>
</thead>
<tbody>
<tr>
<td>agent not found</td>
<td>SEND</td>
<td>The agent could not be found in the specified product definition. <em>User response:</em> Correct the agent identification parameters (&lt;PRODUCT&gt;, &lt;FMID&gt; and the optional &lt;PIID&gt;), and retry the request. Ensure that the product definition XML document defines the agent object correctly. If necessary, issue the TERMPROD and INITPROD commands to reinitialize the product definition in the DBC subsystem, and retry the request.</td>
</tr>
<tr>
<td>DB2= ssid found on multiple LPARS</td>
<td>FINNDB2</td>
<td>This warning condition indicates that multiple DB2 subsystems with the same SSID have been found on different LPARS in the same sysplex. <em>User response:</em> No action is required.</td>
</tr>
<tr>
<td>DB2INFO= db2ssid - &gt; DBC= dbcssid</td>
<td>DB2INFO</td>
<td>A DB2INFO command request was routed to a remote DBC subsystem but a response to the command request was not received (that is, the command timed out). This issue can be caused by shutdown of the remote system, the shutdown of DBC subsystem running on that remote system, or a system problem that has prevented the DBC from processing the DB2INFO request in a timely manner. <em>User response:</em> Ensure that the remote system identified by SMFID and MVSNAME is still active. If the system itself is still active, check that the DBC subsystem identified by the DBC SSID value is running and retry the request. If the problem persists gather all diagnostic information from both the local and remote DBC subsystems and contact BMC Customer Support.</td>
</tr>
<tr>
<td>DB2INFO= db2ssid - &gt; Local info routine</td>
<td>DB2INFO</td>
<td>The find DB2 info routine on the local LPAR has failed. <em>User response:</em> Retry the request. If the problem continues, gather all diagnostic information and contact BMC Customer Support.</td>
</tr>
<tr>
<td>DB2INFO= db2ssid - &gt; Local info routine read</td>
<td>DB2INFO</td>
<td>The DB2INFO function was unable to read response messages from the local find DB2 info routine. This error may indicate some form of internal storage corruption. <em>User response:</em> Retry the request. If the problem continues, gather all diagnostic information and contact BMC Customer Support.</td>
</tr>
<tr>
<td>FINNDB2= db2ssid - &gt; DBC= dbcssid</td>
<td>FINNDB2</td>
<td>A FINNDB2 request was issued to a remote DBC, identified in message text; however, a response from the remote DBC was not received and the request was timed out. <em>User response:</em> If the remote DBC subsystem was in termination at the time the request was made this is a potentially normal response. Validate all required DBC subsystems are active and retry the request.</td>
</tr>
<tr>
<td>Error text</td>
<td>Command</td>
<td>Description and user response</td>
</tr>
<tr>
<td>-----------</td>
<td>---------</td>
<td>------------------------------</td>
</tr>
</tbody>
</table>
| FINDDB2= ssid -> local find routine DBCFDB2 failed | FINDDB2 | The DBC was processing a FINDDB2 request for the named DB2 SSID and detected a failure in the DBCFDB2 function. This failure could be caused by external activity such as a DB2 subsystem startup and shutdown.  
*User response:* Check the DBC subsystem messages for additional diagnostics and retry the request. If the problem persists, gather all diagnostic information and contact BMC Customer Support. |
| init <DB2CMD> node table | DB2CMD | The DPR component detected invalid parameters in the DB2CMD XML command request.  
*User response:* Ensure that the required `<SSID>` and `<CMD>` elements are specified. Check for DBC diagnostic error messages that identify the specific error, correct any invalid syntax, and retry the request. |
| init <DELETE> node table | DELETE | The DELETE request is used to remove DBC repository records of a provided type (for example, INITPROD and START).  
*User response:* Ensure the syntax of the DELETE repository record selection criteria is valid (that is, the `<PRODUCT>`, `<FMID>`, `<PIID>`, `<TYPE>`, `<NAME>`, and `<ID>` elements). Correct any invalid syntax and retry the request. |
| init <DISABLE> node table | DISABLE | The DPR component detected invalid parameters in the DISABLE XML command request.  
*User response:* Ensure that the required `<PRODUCT>` and `<FMID>` element are specified, check for DBC diagnostic error messages that identify the specific error, correct any invalid syntax, and retry the request. |
| init <ENABLE> node table | ENABLE | The DPR component detected invalid parameters in the ENABLE XML command request.  
*User response:* Ensure that the required `<PRODUCT>` and `<FMID>` element are specified, check for DBC diagnostic error messages that identify the specific error, correct any invalid syntax, and retry the request. |
| init <ENCLAVE> node table | ENCLAVE | The ENCLAVE command is an internal command that is issued as a result of an INITPROD request that contains an `<ENCLAVE>` definition.  
*User response:* Ensure the format of all `<ENCLAVE>` definition elements is valid in the INITPROD command request, correct any invalid syntax, and retry the request. |
<table>
<thead>
<tr>
<th>Error text</th>
<th>Command</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| init <FINDDB2> node table | FINDDB2      | The DPR component detected invalid parameters in the FINDDB2 XML command request. Ensure that the parameters contain the required <SSID> element that identifies the DB2 SSID to find.  
*User response:* Check for DBC diagnostic error messages that identify the error, correct any incorrect syntax, and retry the request |
| init <INITDB2CP> node table | INITDB2CP    | The INITDB2CP command is an internal command that is issued by the DBC to itself during system initialization to request that a DPR-managed DB2 command processor product is initialized for each currently active DB2 subsystem on the local LPAR. This error should not occur and could indicate an internal data corruption.  
*User response:* Gather all available diagnostic information and contact BMC Customer Support. |
| init <SRBTERM> node table | SRBTERM      | The SRBTERM command is an internal command that is issued to ensure all resources associated with the terminated SRB are cleaned up.  
*User response:* This problem should not occur in normal circumstances and might indicate an internal parser structure corruption. If this problem persists, gather all diagnostic information and contact BMC Customer Support. |
| init <STARTAGENT> node table | STARTAGENT   | The DPR component detected invalid parameters in the STARTAGENT XML command request.  
*User response:* Ensure that the following parameters are valid: <PRODUCT>, <FMID>, <PIID>, <AGENT>, and <TASKID>. Check for DBC diagnostic error messages that identify the error, correct the syntax, and retry the request. |
| init <STARTPROCESS> node table | STARTPROCESS | Invalid parameters were detected in the STARTPROCESS XML command request.  
*User response:* Ensure that the following parameters are valid: <PRODUCT>, <FMID>, <PIID>, <PROCESS>, and <PROCID>. Check for DBC diagnostic error messages that will identify the error, correct any incorrect syntax, and retry the request. |
| init <STARTSRB> node table | STARTSRB     | The DPR component detected invalid parameters in the STARTSRB XML command request.  
*User response:* Ensure that the following parameters are valid: <PRODUCT>, <FMID>, <PIID>, <SRB>, and <SRBID>. Check for DBC diagnostic error messages that will identify the error, correct any syntax issues, and retry the request. |
<table>
<thead>
<tr>
<th>Error text</th>
<th>Command</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| init <STOPAGENT> node table   | STOPAGENT   | The DPR component detected invalid parameters in the STOPAGENT XML command request.  
*User response:* Ensure that the following parameters are valid: `<PRODUCT>`, `<FMID>`, `<PIID>`, `<AGENT>`, and `<TASKID>`. Check for DBC diagnostic error messages that will identify the error, correct any syntax issues, and retry the request. |
| init <STOPPROCESS> node table | STOPPROCESS | The DPR component detected invalid parameters in the STOPPROCESS XML command request.  
*User response:* Ensure that the following parameters are valid: `<PRODUCT>`, `<FMID>`, `<PIID>`, `<PROCESS>`, and `<PROCID>`. Check for DBC diagnostic error messages that identify the error, correct any incorrect syntax, and retry the request. |
| init <TARGET> node table      | TARGET      | The `<TARGET>` XML element is an optional child element of `<COMMAND>` and is used to route requests to DBC subsystems running on a remote LPAR.  
*User response:* Ensure the `<DBCSSID>`, `<SMFID>`, or `<MVSNAME>` XML parameters are valid, correct any invalid syntax and retry the request. |
| init <TASKSTOP> node table    | TASKSTOP    | The TASKSTOP command is an internal command. This message indicates an internal error.  
*User response:* Gather all DBC output and contact BMC Customer Support. |
| init <TRACE> node table       | TRACE       | The DPR component detected invalid parameters in the TRACE XML command request.  
*User response:* Ensure that the `<PRINT>` parameter is valid. |
| init TERMPROD node table      | TERMPROD    | The TERMPROD XML command contains invalid parameters.  
*User response:* Ensure that the following parameters are valid: `<PRODUCT>`, `<FMID>`, `<PIID>`, and `<AUTOEXEC>`. Check for DBC diagnostic error messages that will identify the error, correct any incorrect syntax, and retry the request. |
| invalid agent length          | ENABLE      | The length of the agent name is invalid. The length cannot exceed 8 bytes.  
*User response:* Correct the agent name and retry the request. |
<p>| invalid agent length          | DISABLE     |                                                                                                                                           |
| invalid agent length          | INITPROD    |                                                                                                                                           |
| invalid agent length          | SEND        |                                                                                                                                           |
| invalid agent length          | STARTAGENT  |                                                                                                                                           |
| invalid agent length          | STOPAGENT   |                                                                                                                                           |</p>
<table>
<thead>
<tr>
<th>Error text</th>
<th>Command</th>
<th>Description and user response</th>
</tr>
</thead>
<tbody>
<tr>
<td>invalid AUTOEXEC length</td>
<td>INITPROD</td>
<td>The length of the <code>&lt;AUTOEXEC&gt;</code> element of the name command is invalid. <strong>User response:</strong> Ensure that the value of the <code>&lt;AUTOEXEC&gt;</code> parameter is YES or NO and remove any trailing white space. Correct any incorrect syntax, and retry the request.</td>
</tr>
<tr>
<td>invalid AUTOEXEC value</td>
<td>INITPROD</td>
<td>The <code>&lt;AUTOEXEC&gt;</code> value is invalid. <strong>User response:</strong> Ensure that the value of the <code>&lt;AUTOEXEC&gt;</code> parameter is YES or NO. Correct any incorrect syntax, and retry the request.</td>
</tr>
<tr>
<td>invalid ENCLAVE length</td>
<td>INITPROD</td>
<td>The <code>&lt;INITPROD&gt;</code> command request failed because the <code>&lt;ENCLAVE&gt;</code> name has an invalid length or is not supplied. <strong>User response:</strong> Ensure the required <code>&lt;ENCLAVE&gt;</code> name value is supplied and has a maximum length of 8 bytes. Correct the XML and retry the request.</td>
</tr>
<tr>
<td>invalid FMID length</td>
<td>DELETE</td>
<td>The length of the SMP/E FMID value in the <code>&lt;FMID&gt;</code> element is invalid. The length should be 7 bytes. <strong>User response:</strong> Correct the <code>&lt;FMID&gt;</code> value, and retry the request.</td>
</tr>
<tr>
<td>invalid FUNCTION length</td>
<td>ENABLE</td>
<td>The <code>&lt;FUNCTION&gt;</code> name length must be a maximum of 8 bytes in length. <strong>User response:</strong> Correct the function name and retry the request.</td>
</tr>
<tr>
<td>invalid ID length or invalid ID value</td>
<td>DELETE</td>
<td>The <code>&lt;ID&gt;</code> element of the DELETE request identifies a specific instance identifier of a START record to be deleted from the DBC repository. The ID relates to either the TASKID, PROCID, or SRBID associated with the STARTAGENT, STARTPROCESS, or STARTSRB commands respectively. <strong>User response:</strong> Correct the <code>&lt;ID&gt;</code> value to ensure it is a 4-byte numeric value in the range of 0 through 9999 and retry the request.</td>
</tr>
<tr>
<td>invalid NAME length</td>
<td>DELETE</td>
<td>The <code>&lt;NAME&gt;</code> element of the DELETE request identifies the specific type of START record to be deleted from the DBC repository (that is, AGENT, PROCESS or SRB), and has a maximum length of 8-bytes. <strong>User response:</strong> Ensure <code>&lt;NAME&gt;</code> value identifies a valid START command (AGENT, PROCESS, or SRB), and retry the request.</td>
</tr>
<tr>
<td>Error text</td>
<td>Command</td>
<td>Description and user response</td>
</tr>
<tr>
<td>----------------------</td>
<td>---------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>invalid PIID length</td>
<td>DELETE INITPROD STARTAGENT STARTPROCESS STARTSRB STOPAGENT STOPPROCESS STOPSRB TERMPROD</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>The length of the product identifier in the <code>&lt;PIID&gt;</code> element is invalid. The length cannot exceed 16 bytes.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>User response:</em> Correct the <code>&lt;PIID&gt;</code> value, and retry the request.</td>
</tr>
<tr>
<td>invalid PRINT value</td>
<td>TRACE</td>
<td>The value in the <code>&lt;PRINT&gt;</code> element is not YES, NO, or ALL.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>User response:</em> Specify a valid value.</td>
</tr>
<tr>
<td>invalid PROCESS</td>
<td>ENABLE DISABLE</td>
<td>The <code>&lt;PROCESS&gt;</code> name length must be a maximum of 8 bytes in length.</td>
</tr>
<tr>
<td>length</td>
<td></td>
<td><em>User response:</em> Correct the process name and retry the request.</td>
</tr>
<tr>
<td>invalid process name</td>
<td>SEND STARTPROCESS STOPPROCESS</td>
<td>The length of the <code>&lt;PROCESS&gt;</code> value is invalid. The length cannot exceed 8 bytes.</td>
</tr>
<tr>
<td>name length</td>
<td></td>
<td><em>User response:</em> Correct the <code>&lt;PROCESS&gt;</code> value and retry the request.</td>
</tr>
<tr>
<td>invalid PROCID</td>
<td>STARTPROCESS STOPPROCESS</td>
<td>The length of the <code>&lt;PROCID&gt;</code> value is invalid. The length cannot exceed 4 bytes, and the value must be in the range of 0 through 9999.</td>
</tr>
<tr>
<td>length</td>
<td></td>
<td><em>User response:</em> Correct the <code>&lt;PROCID&gt;</code> value and retry the request.</td>
</tr>
<tr>
<td>invalid PROCID value</td>
<td>STARTPROCESS STOPPROCESS</td>
<td>The <code>&lt;PROCID&gt;</code> value is invalid. The length cannot exceed 4 bytes, and the value must be in the range of 0 through 9999.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>User response:</em> Correct the <code>&lt;PROCID&gt;</code> value and retry the request.</td>
</tr>
<tr>
<td>invalid product code</td>
<td>DELETE INITPROD STARTAGENT STARTPROCESS STARTSRB STOPAGENT STOPPROCESS STOPSRB TERMPROD</td>
<td></td>
</tr>
<tr>
<td>length</td>
<td></td>
<td>The length of the product code in the <code>&lt;PRODUCT&gt;</code> value is invalid. The length should be 3 bytes.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>User response:</em> Correct the <code>&lt;PRODUCT&gt;</code> value, and retry the request.</td>
</tr>
<tr>
<td>invalid SRB length</td>
<td>ENABLE DISABLE</td>
<td>The <code>&lt;SRB&gt;</code> name length must be a maximum of 8 bytes in length.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>User response:</em> Correct the SRB name and retry the request.</td>
</tr>
<tr>
<td>Error text</td>
<td>Command</td>
<td>Description and user response</td>
</tr>
<tr>
<td>-------------------------</td>
<td>---------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| invalid SRBID length    | STARTSRB | The `<STARTSRB>` command request failed because the `<SRBID>` value has an invalid length.  
**User response:** Ensure the `<SRBID>` value is not greater than 4 bytes in length and has a value in the range 0 through 9999. Correct the XML and retry the request. |
| invalid SRBID length    | STOPSRB | The `<STOPSRB>` command request failed because the `<SRBID>` value has an invalid length.  
**User response:** Ensure the `<SRBID>` value is not greater than 4 bytes in length and has a value in the range 0 through 9999. Correct the XML and retry the request. |
| invalid SRBID value     | STARTSRB | The `<STARTSRB>` command request failed because the `<SRBID>` value is invalid.  
**User response:** Ensure the `<SRBID>` value is in the range 0 through 9999. Correct the XML and retry the request. |
| invalid SRBID value     | STOPSRB | The `<STOPSRB>` command request failed because the `<SRBID>` value is invalid.  
**User response:** Ensure the `<SRBID>` value is in the range 0 through 9999. Correct the XML and retry the request. |
| invalid SSID length     | DB2CMD  | The length of the `<SSID>` element of the named command is invalid.  
**User response:** Ensure that a value for the `<SSID>` parameter is specified and is not greater than 4-bytes in length. Correct invalid syntax and retry the request. |
| Invalid SSID length     | DB2INFO | The length of the `<SSID>` element of the named command is invalid.  
**User response:** Ensure that a value for the `<SSID>` parameter is specified and is not greater than 4-bytes in length. If a generic DB2 SSID is provided then the "*" mask character is supported in the following form:  
- `<SSID>*</SSID>` - All DB2 SSID's.  
- `<SSID>AB*</SSID>` - DB2 SSID's that begin with 'AB'.  
Correct invalid syntax and retry the request. |
| invalid SSID length     | FINDDB2 | The `<SSID>` value supplied to the FINDDB2 command has an invalid length.  
**User response:** Ensure the length of the SSID value supplied is no greater than 4 bytes. Correct the SSID value and retry the request. |
<table>
<thead>
<tr>
<th>Error text</th>
<th>Command</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| invalid SSID length         | INITDB2CP    | The INITDB2CP command is an internal command that is issued by the DBC to itself during system initialization to request that a DPR-managed DB2 command processor product is initialized for each currently active DB2 subsystem on the local LPAR. This error should not occur and could indicate an internal data corruption.  
**User response:** Gather all available diagnostic information and contact BMC Customer Support. |
| invalid TASKID length       | STARTAGENT   | The length of the `<TASKID>` value is invalid. The length cannot exceed 4 bytes. The value should contain a number in the range 0 through 9999.  
**User response:** Correct the `<TASKID>` value and retry the request. |
| invalid TASKID value        | STARTAGENT   | The value in the `<TASKID>` element is invalid. The length cannot exceed 4 bytes. The value should contain a number in the range 0 through 9999.  
**User response:** Correct the `<TASKID>` value and retry the request. |
| invalid TYPE length         | DELETE       | The `<TYPE>` XML element value has a maximum valid length of 13 bytes. The valid values for the `<TYPE>` XML element are INITPROD, INITPRODBYPDM, and START.  
**User response:** Ensure the `<TYPE>` value is valid, correct the invalid syntax and retry the request. |
| no DBCT                     | TRACE        | The DBCT control block could not be found.  
**User response:** Gather all DBC output and contact BMC Customer Support. |
| no TRACE object             | TRACE        | The TRACE control block could not be found.  
**User response:** Gather all DBC output and contact BMC Customer Support. |
| process not found           | SEND         | The process could not be found in the specified product definition.  
**User response:** Correct any invalid process command identification parameters (PRODUCT, FMID, and the optional PIID) and retry the request. Ensure that the product definition XML document defines the process object correctly. If necessary, issue the TERMPROD and INITPROD commands to reinitialize the product in the DBC subsystem, and retry the request. |
## Error text | Command | Description and user response
--- | --- | ---
product not initialized | STARTAGENT STARTPROCESS STARTSRB STOPAGENT STOPPROCESS STOPSRB TERMPROD | The product identified by the `<PRODUCT>`, `<FMID>`, and optional `<PIID>` parameters could not be found.
*User response:* Correct the product definition identification parameters and retry the request. Ensure that the product is successfully initialized, and run the TERMPROD and INITPROD commands as necessary.

### `<PRODUCT>` node missing

- **Command:** INITPROD
- **Description and user response:** The required `<PRODUCT>` element was not found in the INITPROD command request.
  *User response:* Add the required `<PRODUCT>` node to the INITPROD command or correct any invalid syntax and retry the request.

### `<PRODUCT>` serialize

- **Command:** INITPROD
- **Description and user response:** The parser failed to serialize the `<PRODUCT>` section of the INITPROD command.
  *User response:* This message could indicate a corrupt parser structure. Retry the request. If the problem persists, gather all available diagnostic information and contact BMC Customer Support.

### XML parser reset

- **Command:** INITPROD
- **Description and user response:** The parser class failed to reset the current parser instance.
  *User response:* This message could indicate a corrupt parser structure. Retry the request. If the problem persists, gather all available diagnostic information and contact BMC Customer Support.

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## Messages BMCDBC0100 through BMCDBC0199

This group includes messages for the DBC component.

**BMCDBC0100E**

**DPR command for productKey(objectName) failed, rc= returnCode rsn= reasonCode**

*Explanation:* The DPR component of the DBC subsystem detected an error condition while the component executed the named command.

The product key has the following form:

```
code.fmid.piid
```

- The `code` value represents the 3-byte BMC product code.
The `fmid` value represents the 7-byte SMP/E FMID of the product.

The `piid` value represents the optional 16-byte product instance ID.

The BMC product code, FMID, and optional PIID, which comprise the product key, are contained in the product definition XML document specified by an INITPROD request. The reason code identifies the specific DBC component that detected the error condition.

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>STARTAGENT</td>
<td>The request to start an agent task for the product instance identified by the product key failed.</td>
</tr>
<tr>
<td>STOPAGENT</td>
<td>The request to stop an agent task for the product instance identified by the product key failed.</td>
</tr>
<tr>
<td>STARTPROCESS</td>
<td>The request to start a process (that is, an address space) for the product instance identified by the product key failed.</td>
</tr>
<tr>
<td>STOPPROCESS</td>
<td>The request to stop a process (that is, an address space) for the product instance identified by the product key failed.</td>
</tr>
<tr>
<td>STARTSRB</td>
<td>The request to start an SRB for the product instance identified by the product key failed.</td>
</tr>
<tr>
<td>STOPSRB</td>
<td>The request to stop an SRB for the product instance identified by the product key failed.</td>
</tr>
<tr>
<td>SEND</td>
<td>The request to send a message to an agent or a process for the product instance identified by the product key failed.</td>
</tr>
</tbody>
</table>

**User response:** Check for DBC diagnostic messages that identify the specific cause of the error.

**BMCDBC0101E**

DBC failed to send response to queue, queue type= `queueType`, queue token= `tokenNumber`, rc= `returnCode`, rsn= `reasonCode`

*Explanation:* The message class failed in its attempt to send a response to the DBC queue. The queue type has one of the following values:

- 1 - internal address space (local queue)
- 2 - external address space (remote queue)

*User response:* Check for DBC diagnostic messages to determine whether they indicate the specific cause of the error. Gather all DBC output and contact BMC Customer Support.

**BMCDBC0102E**

DBC group `groupName` already has an active subsystem (`ssid`) on system `smfid`

*Explanation:* The DBC subsystem initialization code found that the subsystem `ssid` is already active in the named group on the named system.

*User response:* No action is required.
BMCDBC0103E  DPR unable to send response to DBC API caller, rc= returnCode rsn= reasonCode

Explanation: An attempt to send a response message to indicate the completion of an XML request failed. The reason code indicates the error condition that was detected by the message object methods.

User response: Check for DBC diagnostic messages that indicate the specific cause of the error. Gather all DBC output and contact BMC Customer Support.

BMCDBC0104W  DPR task='taskKey' ID= taskID ended, rc= returnCode rsn= reasonCode

Explanation: A product agent task terminated. The taskKey has the following form:

'code.fmid.piid.moduleName'

■ The code value represents the 3-byte BMC product code.
■ The fmid value represents the 7-byte SMP/E FMID of the product.
■ The piid value represents the optional 16-byte product instance ID.
■ The moduleName value represents the agent module name.

The taskID value contains the identifier for the active agent task. The return code and reason code are returned from the agent task.

User response: No action is required.

BMCDBC0105E  DPR address space {create | destroy} failed, rc= returnCode rsn= reasonCode

Explanation: The DPR component of the DBC detected a process (address-space) error. The reason code indicates the specific cause of the error and the component that detected the error condition.

User response: Gather all DBC output and contact BMC Customer Support.

BMCDBC0106E  DPR SEND failed, error='errorText' rc= returnCode rsn= reasonCode

Explanation: The DPR SEND command failed. The reason code identifies the specific cause and the DBC component that detected the error.

User response: Review the following table to determine possible errors and the appropriate responses:

<table>
<thead>
<tr>
<th>Error text</th>
<th>Description and user response</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAFOPTS not found</td>
<td>This serious internal error indicates that the SAFOPTS class anchor is not set in the DBCT. This error might indicate internal data corruption. User response: Gather all DBC output and contact BMC Customer Support.</td>
</tr>
<tr>
<td>Error text</td>
<td>Description and user response</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SAFOPTS error</td>
<td>No resource class was returned for the DPR component. This error might indicate an internal error. The SAFOPTS class should return a default SAF resource class of FACILITY if the RESOURCE_CLASS XML element is not specified in the SAFOPTS startup parameters.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Check the RESOURCE_CLASS options that are specified in the SAFOPTS startup parameters. The file containing the parameters is identified by the DBCSECUR DD statement in the DBC subsystem started task JCL procedure. If the problem persists, gather all DBC output and contact BMC Customer Support.</td>
</tr>
<tr>
<td>&lt;AGENT&gt;, &lt;PROCESS&gt;, or &lt;SRB&gt; tag not found</td>
<td>The &lt;SEND&gt; command should contain an &lt;AGENT&gt;, &lt;PROCESS&gt;, or &lt;SRB&gt; tag, but does not. <em>User response:</em> Correct the SEND command XML parameters by adding the appropriate AGENT, PROCESS, or SRB parameter and retry the request.</td>
</tr>
<tr>
<td>init &lt;SEND&gt; node table</td>
<td>The DPR component detected invalid parameters in the SEND XML command request. Ensure that the parameters contain the following syntax: &lt;PRODUCT&gt;, &lt;FMID&gt;, &lt;PIID&gt;, {&lt;AGENT&gt;</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Check for DBC diagnostic error messages that identify the error, correct any incorrect syntax, and retry the request.</td>
</tr>
<tr>
<td>invalid product code length</td>
<td>The length of the &lt;PRODUCT&gt; value is invalid. This length should be 3 bytes. <em>User response:</em> Correct the &lt;PRODUCT&gt; value and retry the request.</td>
</tr>
<tr>
<td>invalid FMID length</td>
<td>The length of the &lt;FMID&gt; value is invalid. The length should be 7 bytes. <em>User response:</em> Correct the &lt;FMID&gt; value and retry the request.</td>
</tr>
<tr>
<td>invalid PIID length</td>
<td>The length of the &lt;PIID&gt; value is invalid. The value can not exceed 16 bytes. <em>User response:</em> Correct the &lt;PIID&gt; value and retry the request.</td>
</tr>
<tr>
<td>invalid TASKID length</td>
<td>The length of the &lt;TASKID&gt; value is invalid. The length cannot exceed 4 bytes, and the value should contain a number in the range 0 through 9999. <em>User response:</em> Correct the &lt;TASKID&gt; value and retry the request.</td>
</tr>
<tr>
<td>invalid PROCID length</td>
<td>The length of the &lt;PROCID&gt; value is invalid. The length cannot exceed 4 bytes, and the value should contain a number in the range 0 through 9999. <em>User response:</em> Correct the &lt;PROCID&gt; value and retry the request.</td>
</tr>
<tr>
<td>invalid SRBID length</td>
<td>The length of the &lt;SRBID&gt; value is invalid. The length cannot exceed 4 bytes, and the value should contain a number in the range 0 through 9999. <em>User response:</em> Correct the &lt;SRBID&gt; value and retry the request.</td>
</tr>
<tr>
<td>invalid TASKID value</td>
<td>The &lt;TASKID&gt; value is invalid. The length cannot exceed 4 bytes, and the value should contain a number in the range 0 through 9999. <em>User response:</em> Correct the &lt;TASKID&gt; value and retry the request.</td>
</tr>
<tr>
<td>Error text</td>
<td>Description and user response</td>
</tr>
<tr>
<td>----------------------------</td>
<td>------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| invalid PROCID value       | The `<PROCID>` value is invalid. The length cannot exceed 4 bytes, and the value should contain a number in the range 0 through 9999.  
User response: Correct the `<PROCID>` value and retry the request.|
| invalid SRBID value        | The `<SRBID>` value is invalid. The length cannot exceed 4 bytes, and the value should contain a number in the range 0 through 9999.  
User response: Correct the `<SRBID>` value and retry the request.|
| product not initialized    | The product identified by the `<PRODUCT>`, `<FMID>`, and optional `<PIID>` parameters could not be found.  
User response: Ensure the product is initialized, modify the product definition and run a TERMPROD or INITPROD command as necessary. Correct any invalid syntax and retry the request.|

**BMCDBC0107**  
**DBC failed to create KSDS object for the repository, rsn=reasonCode**

*Explanation:* The DBC could not create a KSDS object to interface with the repository. In most cases, this error occurs because insufficient private area virtual storage is available to satisfy the request. However, this error can occur because of an internal DBC error.

*User response:* Ensure that the private area storage for the DBC address space is not limited by an installation exit, region size default, or the REGION parameter. BMC recommends that you specify REGION as 0M. If the region does not appear to be limited, gather all DBC output and contact BMC Customer Support.

**BMCDBC0108E**  
**DBC unable to errorText repository dataset, DD name= ddName, rc= returnCode, rsn= reasonCode, VSAM rc= vsamReturnCode, VSAM rsn= vsamReasonCode**

*Explanation:* An error was detected while processing the repository data set. The following values indicate the cause of the error:

- The `errorText` describes the error that occurred. The following table provides possible values.

<table>
<thead>
<tr>
<th>Error text</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>open</td>
<td>The repository data set could not be opened.</td>
</tr>
<tr>
<td>close</td>
<td>The repository data set could not be closed.</td>
</tr>
<tr>
<td>put timestamp record in</td>
<td>A timestamp record could not be inserted into the repository data set.</td>
</tr>
<tr>
<td>get timestamp record from</td>
<td>The timestamp record could not be retrieved from the repository data set.</td>
</tr>
</tbody>
</table>
### Error text

<table>
<thead>
<tr>
<th>Error text</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>get first record from</td>
<td>The first record could not be retrieved from the repository data set.</td>
</tr>
<tr>
<td>get next record from</td>
<td>The next sequential record could not be retrieved from the repository data set.</td>
</tr>
<tr>
<td>get first INITPROD record from</td>
<td>The first record of type INITPROD could not be retrieved from the DPR repository data set.</td>
</tr>
<tr>
<td>get next INITPROD record from</td>
<td>The next sequential record of type INITPROD could not be retrieved from the DPR repository data set.</td>
</tr>
<tr>
<td>get INITPROD record from</td>
<td>A specific record of type INITPROD could not be retrieved from the DPR repository data set.</td>
</tr>
<tr>
<td>put INITPROD record in</td>
<td>A record of type INITPROD could not be inserted into the DPR repository data set.</td>
</tr>
<tr>
<td>delete INITPROD record from</td>
<td>A specific record of type INITPROD could not be deleted from the DPR repository data set.</td>
</tr>
</tbody>
</table>

- The **ddname** value specifies the repository data set DD name.
- The **returnCode** and **reasonCode** values specify the return and reason codes set by DBC at the time of the error.
- The **vsamReturnCode** and **vsamReasonCode** values specify the return and reason codes returned by VSAM if a VSAM service returned the error.

**User response:** Refer to the DBC return and reason codes and the VSAM return and reason codes in the message to determine the specific cause of the error. If needed, gather all DBC output and contact BMC Customer Support.

### BMCDBC0109W

**DBC repository data set opened with one or more warnings, DD name= ddName, rc= returnCode, rsn= reasonCode, VSAM rc= vsamReturnCode, VSAM rsn= vsamReasonCode**

**Explanation:** The data set was opened successfully, but the VSAM OPEN service indicated that one or more attention messages were issued. DBC attempts to continue processing.

**User response:** Refer to the DBC return and reason codes and the VSAM return and reason codes in the message to determine the nature of the warning. If you cannot determine the cause of the warning, gather all DBC output and contact BMC Customer Support.
**BMCDBC0110E**  
**DBC repository processing failed due to internal error, rsn= reasonCode**  
*Explanation:* An internal error occurred while processing the repository.  
*User response:* Gather all DBC output and contact BMC Customer Support.

**BMCDBC0111I**  
**DBC current PTF maintenance follows:**  
*Explanation:* This informational message precedes message BMCDBC0009I. Message BMCDBC0009I lists current SMP/E PTF maintenance that has been applied to the DBC subsystem.  
*User response:* No action is required.

**BMCDBC0112W**  
**DBC SCC PTF maintenance interface failed, rc= returnCode**  
*Explanation:* This message indicates a failure in the PTF maintenance retrieval routine. This routine is a noncritical system request to retrieve the current maintenance level of the DBC and the common code component. DBC treats this error code as a warning and continues to initialize the DBC subsystem.  
*User response:* Gather all DBC output and contact BMC Customer Support.

**BMCDBC0113E**  
**DBC unable to insert record with length recordLength bytes to repository as it exceeds the maximum record length of maxRecordLength bytes**  
*Explanation:* A record could not be inserted into the repository because the length of the record exceeded the maximum allowed record length for the repository data set.  
*User response:* If possible, reduce the size of the data that is specified to DBC to be persisted. If this is not possible, gather all DBC output and contact BMC Customer Support.

**BMCDBC0114I**  
**DPR display of 'object' for product='code.fmid.piid' follows:**  
*Explanation:* This informational message acts as the message header that starts a listing of a product definition XML document. It identifies the document that the DISPLAY command will display. This message is followed by a series of BMCDBC0009I messages that displays the contents for a complete product definition XML document for the DPR-initialized product. Each individual BMCDBC0009I message contains a maximum of 80-bytes of XML data.  
*User response:* No action is required.

**BMCDBC0115E**  
**DPR <DISPLAY> failed, error='errorText' rc= returnCode rsn=reasonCode**  
*Explanation:* The DPR component could not complete the request to process a <DISPLAY> command.  
*User response:* Review the following table to determine possible errors and the appropriate responses:
<table>
<thead>
<tr>
<th>Error text</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| init `<DISPLAY>` AGENTS node table      | The DPR component detected invalid parameters in a DISPLAY AGENTS XML command request.  
*User response:* Ensure the required `<PRODUCT>` code is specified and the optional `<FMID>`, `<PIID>`, and `<AGENT>` values are valid. Correct invalid syntax and retry the request. |
| init `<DISPLAY>` node table             | The DPR component found a syntax error while processing the child nodes of the `<DISPLAY>` element in the XML command stream. Child elements include `<PRODUCT>`, `<FMID>`, and `<PIID>`.  
*User response:* Check for diagnostic messages that indicate the specific cause of the problem, correct the command request, and retry the command. |
| init `<DISPLAY>` PDXD node table        | The DPR component detected invalid parameters in a DISPLAY PDXD XML command request.  
*User response:* Ensure the required `<PRODUCT>` code is specified and the optional `<FMID>` and `<PIID>` values are valid. Correct invalid syntax and retry the request. |
| init `<DISPLAY>` PROCESSES node table   | The DPR component detected invalid parameters in a DISPLAY PROCESSES XML command request.  
*User response:* Ensure the required `<PRODUCT>` code is specified and the optional `<FMID>`, `<PIID>`, and `<PROCESS>` values are valid. Correct invalid syntax and retry the request. |
| init `<DISPLAY>` SRBS node table        | The DPR component detected invalid parameters in a DISPLAY SRBS XML command request.  
*User response:* Ensure the required `<PRODUCT>` code is specified and the optional `<FMID>`, `<PIID>`, and `<SRB>` values are valid. Correct invalid syntax and retry the request. |
| init `<DISPLAY>` STATS node table       | The DPR component detected invalid parameters in a DISPLAY STATS XML command request.  
*User response:* Ensure at least one of the optional `<MEMORY>` or `<QUEUES>` parameters is specified with a valid value. Valid values for `<MEMORY>` are YES and NO, and valid values for `<QUEUES>` are LOCAL, XM, ALL, and NO. Correct invalid syntax and retry the request. |
| invalid FMID length                     | The length of the optional `<FMID>` code specified in the DISPLAY command XML is invalid. This length should be 7 bytes.  
*User response:* Correct the product FMID value and retry the request. |
| invalid PIID length                     | The length of the optional `<PIID>` code specified in the DISPLAY command XML is invalid. This value cannot exceed 16 bytes.  
*User response:* Correct the product PIID value and retry the request. |
| invalid product code length             | The length of the `<PRODUCT>` code specified in the DISPLAY command is invalid. This length should be 3 bytes.  
*User response:* Correct the product code value and retry the request. |
BMCDBC0116W  **DPR warning: no products match <DISPLAY> criteria, rc= returnCode**  
*Explanation:* This warning message indicates no DPR-initialized products matched the values in the <DISPLAY> command selection criteria.  
*User response:* If you think that a DPR-initialized BMC product should be running in the DBC subsystem address space, ensure that the <PRODUCT>, <FMID>, and <PIID> parameters in the DISPLAY command are correct. If you want to display the product definition XML documents for all initialized products, specify the following DISPLAY command.

```xml
<DISPLAY>
  <PDXD>
    <PRODUCT>*</PRODUCT>
  </PDXD>
</DISPLAY>
```

BMCDBC0117E  **DBC failed to queue INITPROD command for processing, rc= returnCode rsn= reasonCode**  
*Explanation:* When the DPR component was activated, it failed to initialize a product because the <INITPROD> or <INITPRODBYPDM> command in the DPR repository could not be queued for processing. The returnCode and reasonCode specify the return and reason codes returned by the queue service at the time of the error.  
*User response:* Gather all DBC output, and contact BMC Customer Support.

BMCDBC0118E  **DBC failed to open DPR repository, rc= returnCode rsn= reasonCode**  
*Explanation:* The DPR component was not able to open the DPR repository for processing. The returnCode and reasonCode specify the return and reason codes returned by the DPR component at the time of the error.  
*User response:* Review the DBC message log to see if additional messages provide information to help diagnose the problem. If you cannot determine the cause of the error, gather all DBC output and contact BMC Customer Support.

BMCDBC0119E  **DBC failed to close DPR repository, rc= returnCode rsn= reasonCode**  
*Explanation:* The DPR component was not able to close the DPR repository. The returnCode and reasonCode specify the return and reason codes returned by the DPR component at the time of the error.  
*User response:* Review the DBC message log to see if additional messages provide information to help diagnose the problem. If you cannot determine the cause of the error, gather all DBC output and contact BMC Customer Support.

BMCDBC0120E  **DBC failed to initialize DPR repository, rc= returnCode**  
*Explanation:* The DPR component was unable to initialize the DPR repository. The returnCode specifies the return code returned by the DPR component at the time of the error.  
*User response:* Review the DBC message log to see if additional messages provide information to help diagnose the problem. If you cannot determine the cause of the error, gather all DBC output and contact BMC Customer Support.
**BMCDBC0121E**  
**DPR failed to initialize products at startup, rc= returnCode rsn= reasonCode**

*Explanation:* When the DPR component was activated, it failed to initialize the products based on the DPR `<INITPROD>` and `<INITPRODBYPDM>` commands stored in the DPR repository. The `returnCode` and `reasonCode` specify the return and reason codes returned by the DPR component at the time of the error.

*User response:* Review the DBC message log to see if additional messages provide information to help diagnose the problem. If needed, gather all DBC output and contact BMC Customer Support.

**BMCDBC0122W**  
**DPR unable to persist INITPROD command since it already exists in the DPR repository**

*Explanation:* The DPR `<INITPROD>` or `<INITPRODBYPDM>` command was not persisted to the DPR repository, because a command with the same product code, product FMID, and product instance identifier already existed in the DPR repository. This message is a warning and the DPR component will continue processing.

*User response:* No action is required. However, if you need to replace the INITPROD command that is stored in the DPR repository, perform the following actions:

- Issue a DELETE command to remove the record from the repository. For the `<DELETE>` command, specify a TYPE value of INITPROD or INITPRODBYPDM and include the PRODUCT, FMID, and optional PIID values that identify the record.

- Issue the modified INITPROD command with an AUTOEXEC value of YES to ensure that the record is persisted to the DPR repository.

**BMCDBC0123I**  
**component component activation/deactivation complete, rc= returnCode**

*Explanation:* This informational message indicates that the specified DBC component has been activated or deactivated.

*User response:* No action is required.

**BMCDBC0124W**  
**DPR repository services are not available**

*Explanation:* When the DPR component was activated, it was unable to initialize the DPR repository services. The DPR component will continue processing, but it will bypass all operations against the repository. The DPR component was also unable to automatically initialize the DPR products that are persisted in the repository and cannot persist any DPR commands to the repository that specify `<PERSIST>YES</PERSIST>`.

*User response:* If you do not plan to use the DPR repository, no action is required. Otherwise, review the DBC message log to see if additional messages provide information to help diagnose the problem. If you cannot determine the cause of the error, gather all DBC output and contact BMC Customer Support.
BMCDBC0125I  
DPR no active Agents found for product='productCode'

Explanation:  This informational message indicates that no active agents tasks that match the DISPLAY request criteria are currently executing within the DBC subsystem.

User response:  No action is required.

BMCDBC0126I  
DPR agent='agentID' TASKID(taskID) TCB(address) is status

Explanation:  This informational message displays the attributes of an active agent task:

- The agentID value indicates the active agent task name (in the form of prodcode.fmid.piid(name)).
- The taskID value indicates the task identifier and is in the range 0 to 9999.
- The address value indicates the z/OS TCB address of this active agent task.
- The status value indicates the status of the agent task (whether it is starting, stopping, detached, or active).

For more information on agent tasks, please see the documentation for the <STARTAGENT>, <STOPAGENT> and <DISPLAY> commands.

User response:  No action is required.

BMCDBC0127E  
DBC IDCAMS error occurred:

Explanation:  The IDCAMS program returned an error after it was invoked by DBC. The IDCAMS messages are written to the DBC message log immediately following this message.

User response:  Review the IDCAMS messages and any other DBC messages in the DBC message log to determine the cause of the error.

BMCDBC0128E  
DBC failed to define DPR repository VSAM cluster

Explanation:  The DPR was unable to define the VSAM cluster for the DPR repository.

User response:  Review the DBC message log for additional messages to determine the cause of the error. If you cannot determine the cause of the error, gather all DBC output and contact BMC Customer Support.
**BMCDBC0129W**  
**DPR repository name was not specified**

*Explanation:* The DPR is unable to identify the DBC repository because the name of the DPR repository VSAM cluster was not specified in the DBC startup options.

*User response:* If you do not plan to use the DPR repository, no action is required. Otherwise, specify a valid DPR repository name in the DBC startup options and restart the DBC subsystem.

**BMCDBC0130W**  
**DPR <AUTOEXEC> processing completed with errors, rc= returnCode rsn= reasonCode**

*Explanation:* One or more errors occurred during <AUTOEXEC> processing. The <AUTOEXEC> process occurs when the DPR component automatically executes a product during product initialization or product termination. When a product is automatically executed, any product functions, agents, and processes for which <AUTOEXEC> was requested through the product definition XML document are executed by the DPR component. For product functions, this means the function is executed automatically. For product agents and processes, this means the agent or process is started automatically. If an error occurs during this process, the return and reason codes from the error are recorded and the DPR attempts to continue and complete <AUTOEXEC> processing. The returnCode indicates the maximum return code from the <AUTOEXEC> process, and the reasonCode indicates the reason code associated with the return code.

*User response:* Review the DBC message log for additional messages to determine the cause of the errors. If you cannot determine the cause of the error, gather all DBC output and contact BMC Customer Support.

**BMCDBC0131I**  
**DPR process= processID PROCID(processIDNumber) ASID= nnn(xxx) STOKEN= stoken′ is status**

*Explanation:* This informational message indicates the current status of a process instance. The DPR component generates this message after a STARTPROCESS, STOPPROCESS, or DISPLAY command is issued. The message displays the following values:

- The processID value represents the process ID in the format: productCode.fmid.piid(procname). The piid is an optional node.

- The processIDNumber value represents the unique process identifier in the range 0 to 9999.

- The nnn(xxx) value represents the decimal and hexadecimal ASID of this process.

- The stoken value represents a unique 16-byte STOKEN for the process address space.
- The status value indicates whether the process is active, terminated, or stopping.

**User response:** No response is required.

**BMCDBC0132W** DPR STARTPROCESS ignored as Process= processID PROCID(processIDNumber) is already active, rc= returnCode

**Explanation:** This warning message indicates that a process, uniquely identified by the processID and PROCID, has already been started. The message displays the following values:

- The processID value represents the process ID in the format: productCode.fmid.piid(procname). The piid is an optional node.

- The processIDNumber value represents the unique process identifier in the range 0 to 9999.

**User response:** Change the PROCID value on the STARTPROCESS command to identify a unique instance of a process and retry the request.

**BMCDBC0133E** DPR SEND failed as Process= processID is not active, rc= returnCode rsn= reasonCode

**Explanation:** This error indicates the process, identified by processID, is not active. The processID value identifies the unique process instance that was the intended target of this SEND command. This processID follows the following format:

```
code.fmid.piid(procName.processIDNumber)
```

- The code value represents the 3-byte BMC product code.

- The fmid value represents the 7-byte SMP/E FMID of the product.

- The piid value represents the optional 16-byte product instance ID.

- The procName value is the 8-byte name of the started task procedure.

- The processIDNumber is the unique process identifier in the range 0 to 9999

**User response:** Issue a STARTPROCESS command specifying the appropriate procedure name and PROCID value as identified in the message and retry the request.

**BMCDBC0134E** DPR read response failed, Process= processID rc= returnCode USS error= reasonCode

**Explanation:** This error indicates an internal error occurred when the DPR component performed a read response operation from the associated USS message queue. The processID value identifies the unique process instance that
was associated with this read request. See message BMCDBC0133E for details about the format of the processID value. The USS error code identifies the actual USS error code associated with this failure.

**User response:** Retry the request. If the problem persists, gather all diagnostic information and contact BMC Customer Support.

**BMCDBC0135E** DPR <elementName> parsing failed, error= errorInfo rc= returnCode rsn= reasonCode

**Explanation:** The DPR component of the DBC subsystem detected an error condition while parsing the identified XML elementName. The cause of the error is shown in the errorInfo component of the message.

**User response:** Review the following table to determine possible errors and the appropriate responses:

<table>
<thead>
<tr>
<th>Element name</th>
<th>Error info</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| AUTOEXEC     | value must be YES|NO | The value supplied for the AUTOEXEC XML element is invalid. The value must be YES or NO.  
 **User response:** Correct the AUTOEXEC value and retry the request. |
| ENCLAVE      | <CONNECTION> element get error | The XML parser returned an error during a GetNodeValue request for the <CONNECTION> element.  
 **User response:** Check the DBCPRINT output for additional diagnostic messages. Remove the optional <CONNECTION> element from the enclave definition or correct its value and retry the request. |
| ENCLAVE      | <CONNECTION> element value not found | The <ENCLAVE> XML definition contains an optional <CONNECTION> element but no value has been supplied.  
 **User response:** Remove the optional <CONNECTION> element from the enclave definition or add an appropriate value and retry the request. |
| ENCLAVE      | <CONNECTION> element value error | The <ENCLAVE> XML definition contains an optional <CONNECTION> element but the value supplied is invalid.  
 **User response:** Remove the optional <CONNECTION> element from the enclave definition or correct the value and retry the request. |
| ENCLAVE      | <CORRELATION> element get error | The XML parser returned an error during a GetNodeValue request for the <CORRELATION> element.  
 **User response:** Check the DBCPRINT output for additional diagnostic messages. Remove the optional <CORRELATION> element from the enclave definition or correct its value and retry the request. |
<table>
<thead>
<tr>
<th>Element name</th>
<th>Error info</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| ENCLAVE     | <CORRELATION> element value not found | The <ENCLAVE> XML definition contains an optional <CORRELATION> element but no value has been supplied.  
*User response:* Remove the optional <CORRELATION> element from the enclave definition or add an appropriate value and retry the request. |
| ENCLAVE     | <CORRELATION> element value error   | The <ENCLAVE> XML definition contains an optional <CORRELATION> element but the value supplied is invalid.  
*User response:* Remove the optional <CORRELATION> element from the enclave definition or correct the value and retry the request. |
| ENCLAVE     | <PERFORM> element get error       | The XML parser returned an error during a GetNodeValue request for the <PERFORM> element.  
*User response:* Check the DBCPRINT output for additional diagnostic messages. Remove the optional <PERFORM> element from the enclave definition or correct its value and retry the request. |
| ENCLAVE     | <PERFORM> element value not found | The <ENCLAVE> XML definition contains an optional <PERFORM> element but no value has been supplied.  
*User response:* Remove the optional <PERFORM> element from the enclave definition or add an appropriate value and retry the request. |
| ENCLAVE     | <PERFORM> element value error     | The <ENCLAVE> XML definition contains an optional <PERFORM> element but the value supplied is invalid. The performance group number value must in the range 1 to 999.  
*User response:* Remove the optional <PERFORM> element from the enclave definition or correct the value and retry the request. |
| ENCLAVE     | <PRIORITY> element get error      | The XML parser returned an error during a GetNodeValue request for the <PRIORITY> element.  
*User response:* Check the DBCPRINT output for additional diagnostic messages. Remove the optional <PRIORITY> element from the enclave definition or correct its value and retry the request. |
| ENCLAVE     | <PRIORITY> element value not found | The <ENCLAVE> XML definition contains an optional <PRIORITY> element but no value has been supplied.  
*User response:* Remove the optional <PRIORITY> element from the enclave definition or add an appropriate value and retry the request. |
<table>
<thead>
<tr>
<th>Element name</th>
<th>Error info</th>
<th>Description and user response</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENCLAVE</td>
<td>&lt;PRIORITY&gt; element value error</td>
<td>The &lt;ENCLAVE&gt; XML definition contains an optional &lt;PRIORITY&gt; element but the integer value supplied is invalid. Note that a value of 0x80000000 indicates that no value was supplied. <strong>User response:</strong> Remove the optional &lt;PRIORITY&gt; element from the enclave definition or correct the value and retry the request.</td>
</tr>
<tr>
<td>ENCLAVE</td>
<td>&lt;SUBCOLN&gt; element get error</td>
<td>The XML parser returned an error during a GetNodeValue request for the &lt;SUBCOLN&gt; element. <strong>User response:</strong> Check the DBCPRINT output for additional diagnostic messages. Remove the optional &lt;SUBCOLN&gt; element from the enclave definition or correct its value and retry the request.</td>
</tr>
<tr>
<td>ENCLAVE</td>
<td>&lt;SUBCOLN&gt; element value not found</td>
<td>The &lt;ENCLAVE&gt; XML definition contains an optional &lt;SUBCOLN&gt; element but no value has been supplied. <strong>User response:</strong> Remove the optional &lt;SUBCOLN&gt; element from the enclave definition or add an appropriate value and retry the request.</td>
</tr>
<tr>
<td>ENCLAVE</td>
<td>&lt;SUBCOLN&gt; element value error</td>
<td>The &lt;ENCLAVE&gt; XML definition contains an optional &lt;SUBCOLN&gt; element but the value supplied is invalid. <strong>User response:</strong> Remove the optional &lt;SUBCOLN&gt; element from the enclave definition or correct the value and retry the request.</td>
</tr>
<tr>
<td>ENCLAVE</td>
<td>&lt;TRXCLASS&gt; element get error</td>
<td>The XML parser returned an error during a GetNodeValue request for the &lt;TRXCLASS&gt; element. <strong>User response:</strong> Check the DBCPRINT output for additional diagnostic messages. Remove the optional &lt;TRXCLASS&gt; element from the enclave definition or correct its value and retry the request.</td>
</tr>
<tr>
<td>ENCLAVE</td>
<td>&lt;TRXCLASS&gt; element value not found</td>
<td>The &lt;ENCLAVE&gt; XML definition contains an optional &lt;TRXCLASS&gt; element but no value has been supplied. <strong>User response:</strong> Remove the optional &lt;TRXCLASS&gt; element from the enclave definition or add an appropriate value and retry the request.</td>
</tr>
<tr>
<td>ENCLAVE</td>
<td>&lt;TRXCLASS&gt; element value error</td>
<td>The &lt;ENCLAVE&gt; XML definition contains an optional &lt;TRXCLASS&gt; element but the value supplied is invalid. <strong>User response:</strong> Remove the optional &lt;TRXCLASS&gt; element from the enclave definition or correct the value and retry the request.</td>
</tr>
<tr>
<td>Element name</td>
<td>Error info</td>
<td>Description and user response</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------</td>
<td>-----------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| ENCLAVE      | <TRXNAME> element get error | The XML parser returned an error during a GetNodeValue request for the <TRXNAME> element.  
User response: Check the DBCPRINT output for additional diagnostic messages. Remove the optional <TRXNAME> element from the enclave definition or correct its value and retry the request. |
| ENCLAVE      | <TRXNAME> element value not found | The <ENCLAVE> XML definition contains an optional <TRXNAME> element but no value has been supplied.  
User response: Remove the optional <TRXNAME> element from the enclave definition or add an appropriate value and retry the request. |
| ENCLAVE      | <TRXNAME> element value error | The <ENCLAVE> XML definition contains an optional <TRXNAME> element but the value supplied is invalid.  
User response: Remove the optional <TRXNAME> element from the enclave definition or correct the value and retry the request. |
| FUNCTION     | ENCLAVE='name' not defined in PDXD | The <ENCLAVE> name was not defined in the product definition XML document.  
User response: Correct the <ENCLAVE> name or add an <ENCLAVE> definition and retry the request. |
| FUNCTION     | ENCLAVE='name' has invalid length | The <ENCLAVE> name has an invalid length.  
User response: Ensure that the length of the <ENCLAVE> name does not exceed 8 bytes. Correct the <ENCLAVE> name and retry the request. |

**BMCDBC0136W**  
DPR <elementName> parsing warning= warningInfo rc= returnCode rsn= reasonCode

*Explanation:* The DPR component of the DBC subsystem detected a warning condition while parsing the identified XML elementName. The cause of the warning is shown in the warningInfo component of the message.

*User response:* No action is required. Review the following table for more specific information on this warning:

<table>
<thead>
<tr>
<th>Element name</th>
<th>Warning Info</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENCLAVE</td>
<td>&lt;CONNECTION&gt; value not found</td>
<td>The optional &lt;CONNECTION&gt; element was found but no value was specified. The parameter is ignored and processing continues.</td>
</tr>
<tr>
<td>ENCLAVE</td>
<td>&lt;CORRELATION&gt; value not found</td>
<td>The optional &lt;CORRELATION&gt; element was found but no value was specified. The parameter is ignored and processing continues.</td>
</tr>
<tr>
<td>Element name</td>
<td>Warning Info</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------------------------</td>
<td>-------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ENCLAVE</td>
<td><code>&lt;PERFORM&gt;</code> value not found</td>
<td>The optional <code>&lt;PERFORM&gt;</code> element was found but no value was specified. The parameter is ignored and processing continues.</td>
</tr>
<tr>
<td>ENCLAVE</td>
<td><code>&lt;PRIORITY&gt;</code> value not found</td>
<td>The optional <code>&lt;PRIORITY&gt;</code> element was found but no value was specified. The parameter is ignored and processing continues.</td>
</tr>
<tr>
<td>ENCLAVE</td>
<td><code>&lt;PROCESSNAME&gt;</code> value not found</td>
<td>The optional <code>&lt;PROCESSNAME&gt;</code> element was found but no value was specified. The parameter is ignored and processing continues.</td>
</tr>
<tr>
<td>ENCLAVE</td>
<td><code>&lt;SUBCOLN&gt;</code> value not found</td>
<td>The optional <code>&lt;SUBCOLN&gt;</code> element was found but no value was specified. The parameter is ignored and processing continues.</td>
</tr>
<tr>
<td>ENCLAVE</td>
<td><code>&lt;TRXCLASS&gt;</code> value not found</td>
<td>The optional <code>&lt;TRXCLASS&gt;</code> element was found but no value was specified. The parameter is ignored and processing continues.</td>
</tr>
<tr>
<td>ENCLAVE</td>
<td><code>&lt;TRXNAME&gt;</code> value not found</td>
<td>The optional <code>&lt;TRXNAME&gt;</code> element was found but no value was specified. The parameter is ignored and processing continues.</td>
</tr>
</tbody>
</table>

**BMCDBC0137E**  
DBC create failed for object= objectName rc= returnCode rsn= reasonCode  

*Explanation:* The DPR component of the DBC subsystem detected an error during the creation of the named object. The reason code indicates the cause of the error.  
*User response:* Check the DBCPRINT output of the DBC subsystem for more diagnostic messages:  
- If the problem is caused by an XML syntax error, correct the XML element in error and retry the request.  
- If the reason code indicates a storage constraint, gather all DBC output from the DBC subsystem and, if the problem persists, contact BMC Customer Support.

**BMCDBC0138E**  
DBC component component is not active  

*Explanation:* A required DBC component is not active.  
*User response:* Gather all DBC output and contact BMC Customer Support.

**BMCDBC0139E**  
XCF XCFMEMB list address = 0  

*Explanation:* The address of a required list was found to be 0.  
*User response:* This is an internal error that should not occur and can represent a catastrophic storage corruption. Gather all DBC output and contact BMC Customer Support.
**BMCDBC0140E**  
XCF {Local | Remote} XCF member of group **groupName** not found, {MVS name = mvsSystemName| SMF id = smfID| SSID = dbcSSID}  

*Explanation:* DBC could not find information pertaining to an XCF member of the DBC group **groupName**. The MVS system name, MVS SMF ID, or DBC SSID identifies the impacted DBC subsystem.  

*User response:* Ensure the following conditions exist:  
- The DBC subsystem is active on the specified system.  
- The DBCPARMS parameters contain the correct XCF group name.  
- The XCF component is started.  
- Issue an XCF display command (**D XCF,GRP,** **groupName**, ALL) for the group to check the current members of the named XCF group.  

If the problem persists, gather all DBC output and contact BMC Customer Support.  

**BMCDBC0141E**  

*Explanation:* The DBC was unable to perform the specified XCF action. This message either indicates an XCF service error or an internal DBC error condition.  

*User response:* Review the following table to determine possible errors and the appropriate responses:  

<table>
<thead>
<tr>
<th><strong>Action</strong></th>
<th><strong>Description and user response</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>join</td>
<td>The XCF component of the DBC subsystem was unable to join the XCF group. This error may be caused by an IXCJOIN service error or an internal DBC error condition. <em>User response:</em> Review the return and reason codes to determine the cause of the error. If you cannot determine the cause of the error, gather all DBC output and contact BMC Customer Support.</td>
</tr>
<tr>
<td>leave</td>
<td>The XCF component of the DBC subsystem was unable to leave the XCF group. This error may be caused by an IXCLEAVE service error or an internal DBC error condition. <em>User response:</em> Review the return and reason codes to determine the cause of the error. If you cannot determine the cause of the error, gather all DBC output and contact BMC Customer Support.</td>
</tr>
<tr>
<td>send</td>
<td>The XCF component of the DBC subsystem was unable to leave the XCF group. This error may be caused by an IXCMSGO service error or an internal DBC error condition. <em>User response:</em> Review the return and reason codes to determine the cause of the error. If you cannot determine the cause of the error, gather all DBC output and contact BMC Customer Support.</td>
</tr>
<tr>
<td>Action</td>
<td>Description and user response</td>
</tr>
<tr>
<td>----------</td>
<td>-------------------------------</td>
</tr>
</tbody>
</table>
| query group | Description: The XCF component of the DBC subsystem was unable to query the XCF group for information about the XCF members in the group. This error may be caused by an IXCQUERY service error or an internal DBC error condition.  
*User response:* Review the return and reason codes to determine the cause of the error. If you cannot determine the cause of the error, gather all DBC output and contact BMC Customer Support. |

**BMCDBC0142I**

**XCF {local | remote} member memberName {joined | left } group groupName on system systemName on dateTime**

*Explanation:* This informational message indicates that a member has joined or left the DBC group. The message indicates whether the member is the local DBC subsystem or a remote DBC subsystem.

- The *memberName* identifies the XCF member name associated with the member.
- The *groupName* specifies the name of the DBC group. Note that the DBC group name is equivalent to the XCF group name.
- The *systemName* identifies the MVS system name associated with the MVS system on which the member is active.
- The *dateTime* identifies the date and time when the member joined or left the group.

*User response:* No action is required if this is an expected event. Otherwise, gather all DBC output from each DBC subsystem in the group and contact BMC Customer Support.

**BMCDBC0143E**

**DBC failed to ensure DBC group has no other DBC subsystems active on the system, rc= returnCode rsn= reasonCode**

*Explanation:* The DBC subsystem was unable to complete subsystem initialization because it encountered an error while attempting to verify that the DBC group contained no other DBC subsystems on the local MVS system.

*User response:* Gather all DBC output and contact BMC Customer Support.

**BMCDBC0144E**

**DBC failed to connect to WLM services, rc= returnCode rsn= reasonCode**

*Explanation:* The DPR component of the DBC subsystem detected an error during an attempt to connect to WLM services. The DBC subsystem will continue its initialization; however, features relating to enclave services will not be available.

*User response:* Check the DBCPRINT output of the DBC subsystem for more diagnostic messages. If the problem persists, contact BMC Customer Support.
BMCDBC0145E  **DPR enclave= enclaveName create failed for product= productName, rc= returnCode rsn= reasonCode**

*Explanation:* The DPR component of the DBC subsystem detected an error during an attempt to create a WLM enclave. The DBC subsystem will continue its initialization; however, features relating to enclave services will not be available.

*User response:* Check the DBCPRINT output of the DBC subsystem for more diagnostic messages. If the problem persists, contact BMC Customer Support.

BMCDBC0146E  **DPR Enclave= enclaveName schedule failed for SRB= srbID, rc= returnCode rsn= reasonCode**

*Explanation:* The DPR component of the DBC subsystem detected an error during an attempt to schedule an SRB into the named enclave. The `srbID` value identifies the SRB that was being scheduled.

The `srbID` has the following format:

`'code.fmid.piid.moduleName'`

- The `code` value represents the 3-byte BMC product code.
- The `fmid` value represents the 7-byte SMP/E FMID of the product.
- The `piid` value represents the optional 16-byte product instance ID.
- The `moduleName` value represents the SRB module name.

*User response:* Check the reason code value to identify the cause of the problem and if possible, retry the request. If the problem persists, contact BMC Customer Support.

BMCDBC0147E  **DPR Enclave= enclaveName (JOIN|LEAVE) failed for PGM= programID, rc= returnCode rsn= reasonCode**

*Explanation:* The DPR component of the DBC subsystem detected an error during an attempt to JOIN or LEAVE the named enclave. The `programID` value identifies the program object for which this request is being made. The `programID` has the following format:

`'code.fmid.piid.moduleName'`

- The `code` value represents the 3-byte BMC product code.
- The `fmid` value represents the 7-byte SMP/E FMID of the product.
- The `piid` value represents the optional 16-byte product instance ID.
The `moduleName` value represents the program object.

**User response:** Check the reason code value to identify the cause of the problem and if possible, retry the request. If the problem persists, contact BMC Customer Support.

---

**BMCDBC0148E**  
**DPR Enclave command error, <CMD> option='ENABLE' not found**

**Explanation:** This severe internal error occurs when the enable enclave request message is generated internally by the request handler component of the DPR and sent to the message queue of a higher level task for execution.

**User response:** Gather all diagnostic information messages from the DBC subsystem. Contact BMC Customer Support because this could represent an internal storage violation.

---

**BMCDBC0149W**  
**DPR {Agent|Function}= objectID failed to {JOIN|LEAVE} enclave= enclaveName, rc= returnCode rsn= reasonCode**

**Explanation:** The DPR component of the DBC subsystem detected an error during an attempt by an agent or function object to join or leave the named enclave. The `objectID` value identifies the product object for which this request is being made. The `objectID` has the following format:

```
'code.fmid.piid.moduleName'
```

- The `code` value represents the 3-byte BMC product code.
- The `fmid` value represents the 7-byte SMP/E FMID of the product.
- The `piid` value represents the optional 16-byte product instance ID.
- The `moduleName` value represents the program object.

**User response:** Check the reason code value to identify the cause of the problem and, if possible, retry the request. If the problem persists, contact BMC Customer Support.

---

**BMCDBC0150E**  
**DPR <STARTSRB> failed, error= errorText rc= returnCode rsn= reasonCode**

**Explanation:** The DPR component of the DBC subsystem detected an error during an attempt to schedule an SRB.

**User response:** The following table lists the error text and provides a description and appropriate user response:

<table>
<thead>
<tr>
<th>Error text</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| invalid SRB name length | The `<SRB>` name XML element has a length greater than 8 bytes.  
**User response:** Correct the `<SRB>` name XML element value and retry the request |
<table>
<thead>
<tr>
<th>Error text</th>
<th>Description and user response</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRB not found</td>
<td>The SRB identified by the <code>&lt;SRB&gt;</code> XML element could not be found in the specified product.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Ensure the <code>&lt;PRODUCT&gt;</code>, <code>&lt;FMID&gt;</code>, and optional <code>&lt;PIID&gt;</code> values identify an</td>
</tr>
<tr>
<td></td>
<td>initialized product and that the <code>&lt;SRB&gt;</code> name is valid. Initialize the product (if necessary),</td>
</tr>
<tr>
<td></td>
<td>correct the XML, and retry the request.</td>
</tr>
<tr>
<td>ENCLAVE=enclave_name not found</td>
<td>The required enclave for this SRB definition could not be found. This error should not</td>
</tr>
<tr>
<td></td>
<td>occur because the enclave definition is required and should have been validated during the</td>
</tr>
<tr>
<td></td>
<td>INITPROD request.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Gather all diagnostic information and contact BMC Customer Support.</td>
</tr>
<tr>
<td>ENCLAVE=enclave_name is disabled</td>
<td>The enclave associated with this SRB has been disabled.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Enable the ENCLAVE object and retry the request.</td>
</tr>
</tbody>
</table>

**BMCDBC0152W**  
**DPR STARTSRB ignored as SRB= srbInstance is already active, rc= returnCode**  

*Explanation:* The DPR component of the DBC subsystem was attempting to schedule an SRB but an instance of that SRB was already active. The `srbInstance` identifies the specific SRB instance that is already active. This value has the following form:  

```
'code.fmid.piid(moduleName.id)
```

- The `code` value represents the 3-byte BMC product code.
- The `fmid` value represents the 7-byte SMP/E FMID of the product.
- The `piid` value represents the optional 16-byte product instance ID.
- The `moduleName` value represents the module name of the SRB.
- The `id` value represents the SRB instance identifier in the range of 0 through 9999.

*User response:* Modify the `<SRBID>` parameter of the `<STARTSRB>` XML command to reflect a unique instance of the SRB and retry the request.

**BMCDBC0153I**  
**DPR SRB= srbName SRBID(0-9999) is {scheduled | active | terminated}**  

*Explanation:* This informational message displays the current status of a DPR-managed SRB object. The `srblName` identifies the SRB and has the following form:  

```
'code.fmid.piid.moduleName'
```

- The `code` value represents the 3-byte BMC product code.
- The `fmid` value represents the 7-byte SMP/E FMID of the product.
- The *piid* value represents the optional 16-byte product instance ID.

- The *moduleName* value represents the module name of the SRB.

The SRBID (0-9999) field in the message identifies the unique instance of the SRB that is either in a status of scheduled, active, or terminated.

*User response:* No action is required.

**BMCDBC0154E**

**DPR failed to route cmd= \textit{commandText} to remote DBC subsystem, rc= returnCode rsn= reasonCode**

*Explanation:* The DPR component of the DBC subsystem detected an error during an attempt to route the command identified by *commandText* to a remote DBC subsystem.

*User response:* The remote destination criteria are specified through the <TARGET> XML element within the scope of the <COMMAND> node. Ensure the <TARGET> values (that is, <DBCSSID>, <SMFID> and <MVSNAME>) are valid and retry the request.

**BMCDBC0155E**

**XCF Failed to refresh member data for group \textit{groupName}, rc= returnCode rsn= reasonCode**

*Explanation:* The XCF component of the DBC subsystem was not able to update the XCF member data that it maintains locally for the XCF group. The XCF component requires this member data in order to communicate with the other DBC subsystems in the group.

*User response:* Check for DBC diagnostic messages to determine whether they indicate the specific cause of the error. Gather all DBC output and contact BMC Customer Support.

**BMCDBC0156E**

**DBC Failed to send response to remote DBC subsystem, SSID= \textit{ssid}, System= \textit{systemName}, rc= returnCode rsn= reasonCode**

*Explanation:* The DBC subsystem was unable to send a response message to the remote DBC subsystem. The DBC SSID and MVS system name associated with the remote DBC subsystem are specified.

*User response:* Check for DBC diagnostic messages to determine whether they indicate the specific cause of the error. Gather all DBC output and contact BMC Customer Support.

**BMCDBC0157E**

**CMD command failed. Error='**\textit{errorText}**' rc= returnCode rsn= reasonCode**

*Explanation:* The CMD component of the DBC subsystem detected an error condition while processing a DBC command.

*User response:* Review the following table to determine possible errors and the appropriate responses:
<table>
<thead>
<tr>
<th>Command</th>
<th>Error text</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| CMDDEF  | init <CMDDEF> node table | The CMD component detected invalid parameters in the CMDDEF XML command.  
*User response:* Check for DBC diagnostic error messages that identify the error, correct any incorrect syntax, and retry the CMDDEF command.  |
| CMDDEF  | duplicate command definition | The CMDDEF command specifies a duplicate command definition. The `<CMD>` element in the CMDDEF command must specify a command string that is unique across all commands defined to the subsystem through the CMDDEF command.  
*User response:* Correct the `<CMD>` element in the CMDDEF command and retry the command.  |
| CMDDEF  | invalid `<CMD>` value | The `<CMD>` element in the CMDDEF command specifies an invalid value. The value should specify a command string. The length of the string cannot exceed 126 characters.  
*User response:* Correct the `<CMD>` element in the CMDDEF command and retry the command.  |
| CMDDEF  | invalid `<DBCCMD>` value | The `<DBCCMD>` element in the CMDDEF command specifies an invalid value. The value should specify a valid DBC command.  
*User response:* Correct the `<DBCCMD>` element in the CMDDEF command and retry the command.  |
| CMDDEF  | invalid `<ACTION>` value | The child element of the `<ACTION>` element in the CMDDEF command is invalid. The child element should specify either the `<DBCCMD>` or `<DPRCMD>` element.  
*User response:* Correct the child element of the `<ACTION>` element in the CMDDEF command and retry the command.  |
| CMDDEL  | init <CMDDEL> node table | The CMD component detected invalid parameters in the CMDDEL XML command.  
*User response:* Check for DBC diagnostic error messages that identify the error, correct any incorrect syntax, and retry the CMDDEL command.  |
| CMDDEL  | command not defined | The CMDDEL command specifies a command definition that is not defined to the DBC subsystem. The `<CMD>` element in the CMDDEL command must specify the command string of an existing command definition in order to delete that command definition.  
*User response:* Correct the `<CMD>` element in the CMDDEL command and retry the command.  |
**BMCDBC0158E**  
CMD object='ObjectName' not found

*Explanation:* The CMD component of the DBC subsystem was not able to find a given object.

*User response:* Review the following table to determine possible errors and the appropriate responses:

<table>
<thead>
<tr>
<th>Object</th>
<th>Description and user response</th>
</tr>
</thead>
</table>
| COMMAND  | The CMD component was not able to locate a given command definition in order to delete it. The objectName value identifies the command string of the command definition.  
*User response:* Correct the CMDDEL command to identify an existing command definition and retry the command. |

**BMCDBC0159I**  
CMD Command: commandText

*Explanation:* This informational message displays an operator command that was issued to the DBC subsystem.

*User response:* No action is required.

**BMCDBC0160I**  
CMD Action: actionText

*Explanation:* This informational message displays the action that was performed when the operator command, specified in message BMCDBC0159I, was issued to the DBC subsystem. The action associated with the operator command was defined when the operator command definition was created by using the CMDDEF command.

*User response:* No action is required.

**BMCDBC0161E**  
CMD Operator command processing failed, rc= returnCode rsn= reasonCode

*Explanation:* The CMD component of the DBC subsystem failed to process an operator command.

*User response:* Review DBC diagnostic messages to determine whether they indicate the specific cause of the error. Gather all DBC output and contact BMC Customer Support.

**BMCDBC0162E**  
CMD QEDIT request to action(errorInfo) failed, rc= returnCode

*Explanation:* The CMD component of the DBC subsystem was unable to modify the command input buffer chain due to an MVS QEDIT error. This message indicates an internal error condition that might prevent the DBC subsystem from being able to process MVS MODIFY commands.

*User response:* Gather all DBC output and contact BMC Customer Support.
**BMCDBC0163E**  
**CMD Failed to start moduleName task, rc= returnCode rsn= reasonCode**  
*Explanation:* The CMD component of the DBC subsystem was unable to start the task identified by the given module name. The return and reason codes indicate the cause of the error.  
*User response:* Gather all DBC output and contact BMC Customer Support.

**BMCDBC0164I**  
**EMS event eventName {defined | deleted | already defined}, rc=returnCode**  
*Explanation:* This informational message identifies the status of the event identified by eventName. The status of the event can be as follows:

- The event was successfully defined.
- The event was deleted.
- A define request was received for an event with the same name (that is, the event was already defined).

*User response:* No action is required. If the event name as already defined and you want to define an event with that name, delete or modify the name of the existing event with that name and retry the request.

**BMCDBC0165E**  
**EMS action failed. Error='errorDescription', rc=returnCode rsn=reasonCode**  
*Explanation:* The event request identified by action has failed. The errorDescription text contains a brief explanation of why the request failed.  
*User response:* Review the following table for more detailed information on the user response associated with the specific action and error description.

<table>
<thead>
<tr>
<th>Action</th>
<th>Error Description</th>
<th>Explanation and user response</th>
</tr>
</thead>
</table>
| EVENTDEF | init <EVENTDEF> node table | The generic parser validation routine found a syntax error.  
*User response:* Ensure the <NAME> element is specified, check DBCPRINT log for more messages, correct the EVENTDEF syntax, and retry the request. |
| EVENTDEL | init <EVENTDEL> node table | The generic parser validation routine found a syntax error.  
*User response:* Ensure the <NAME> element is specified, check DBCPRINT log for more messages, correct the EVENTDEL syntax, and retry the request. |
| EVENTDEL | event='name' not found | The event name to be deleted was not found.  
*User response:* Correct the event name and retry the request. |
<table>
<thead>
<tr>
<th>Action</th>
<th>Error Description</th>
<th>Explanation and user response</th>
</tr>
</thead>
</table>
| EVENTPUB    | init `<EVENTPUB>` node table       | The generic parser validation routine found a syntax error.  
**User response:** Ensure the `<NAME>` element is specified, check DBCPRINT log for more messages, correct the EVENTPUB syntax, and retry the request. |
| EVENTPUB    | `event='eventName'` not found      | The event name to be published was not found.  
**User response:** Correct the event name and retry. |
| EVENTSUB    | init `<EVENTSUB>` node table       | The generic parser validation routine found a syntax error.  
**User response:** Ensure the `<NAME>` element is specified, check DBCPRINT log for more messages, correct the EVENTSUB syntax, and retry the request. |
| EVENTSUB    | doc element not found              | The parser could not locate the root element of the XML document. This issue indicates that the EVENTSUB request XML document is invalid.  
**User response:** Correct the document and retry the request. |
| EVENTSUB    | `<EVENTSUB>` node not found         | This internal error that should not occur.  
**User response:** Retry the request. If the problem persists, gather diagnostic information and contact BMC Customer Support. |
| EVENTSUB    | duplicate subscriber key           | An event subscriber with the specified key was found. This occurrence indicates that a duplicate subscription request exists.  
**User response:** Review message BMCDBC0166E to determine the subscriber key, correct the subscriber key, and retry the request. |
| EVENTSUB    | add SUBSCRIB keyed list            | An internal error occurred while updating the list of event subscribers. The most likely cause of the error is an 'out of storage' condition.  
**User response:** Check the DBCPRINT log for other error messages and retry the request. If the problem persists, gather diagnostic information and contact BMC Customer Support. |
| EVENTSUB    | `<ACTION>` serialize                | The parser failed to serialize the `<ACTION>` command XML.  
**User response:** Correct the EVENTSUB XML syntax and retry the request. |
<table>
<thead>
<tr>
<th>Action</th>
<th>Error Description</th>
<th>Explanation and user response</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVENTSUB</td>
<td>unable to set &lt;ACTION&gt; XML</td>
<td>The &lt;ACTION&gt; XML command associated with this subscriber could not be set. The most likely cause of the message is a severe internal error. &lt;br&gt; <strong>User response:</strong> Retry the request. If the problem persists, gather diagnostic information and contact BMC Customer Support.</td>
</tr>
<tr>
<td>EVENTSUB</td>
<td>&lt;ONDELETE&gt; serialize</td>
<td>The parser failed to serialize the &lt;ONDELETE&gt; command XML. &lt;br&gt; <strong>User response:</strong> Correct the EVENTSUB XML syntax and retry the request.</td>
</tr>
<tr>
<td>EVENTSUB</td>
<td>unable to set &lt;ONDELETE&gt; XML</td>
<td>The &lt;ONDELETE&gt; XML command associated with this subscriber could not be set. The most likely cause of the message is a severe internal error. &lt;br&gt; <strong>User response:</strong> Retry the request. If the problem persists, gather diagnostic information and contact BMC Customer Support.</td>
</tr>
<tr>
<td>EVENTSUB</td>
<td>&lt;ACTION&gt; parser create error</td>
<td>The XML parser constructor failed to return a parser object. The most likely cause of the message is a severe internal error. &lt;br&gt; <strong>User response:</strong> Retry the request. If the problem persists, gather diagnostic information and contact BMC Customer Support.</td>
</tr>
<tr>
<td>EVENTSUB</td>
<td>&lt;ACTION&gt; parse error</td>
<td>The &lt;ACTION&gt; command failed to parse correctly due to invalid XML syntax. &lt;br&gt; <strong>User response:</strong> Correct the &lt;ACTION&gt; command XML and retry the request.</td>
</tr>
<tr>
<td>EVENTSUB</td>
<td>&lt;ACTION&gt; doc element not found</td>
<td>The parser could not locate the root element of the serialized &lt;ACTION&gt; command. This failure indicates an invalid XML document. &lt;br&gt; <strong>User response:</strong> Correct the EVENTSUB XML request document and retry the request.</td>
</tr>
<tr>
<td>EVENTSUB</td>
<td>&lt;ACTION&gt; command node missing</td>
<td>The required &lt;COMMAND&gt; node of the &lt;ACTION&gt; command was not found. &lt;br&gt; <strong>User response:</strong> Correct the EVENTSUB XML syntax and retry the request.</td>
</tr>
<tr>
<td>EVENTSUB</td>
<td>&lt;ACTION&gt; command serialize</td>
<td>The parser failed to serialize the &lt;ACTION&gt; command XML. &lt;br&gt; <strong>User response:</strong> Correct the EVENTSUB XML syntax and retry the request.</td>
</tr>
<tr>
<td>Action</td>
<td>Error Description</td>
<td>Explanation and user response</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>EVENTSUB</td>
<td>&lt;ONDELETE&gt; parser create error</td>
<td>The XML parser constructor failed to return a parser object. The most likely cause of this message is a severe internal error.  &lt;br&gt; <em>User response:</em> Retry the request. If the problem persists, gather diagnostic information and contact BMC Customer Support.</td>
</tr>
<tr>
<td>EVENTSUB</td>
<td>&lt;ONDELETE&gt; parse error</td>
<td>The &lt;ONDELETE&gt; command failed to parse correctly. This failure indicates invalid XML syntax.  &lt;br&gt; <em>User response:</em> Correct the &lt;ACTION&gt; command XML and retry the request.</td>
</tr>
<tr>
<td>EVENTSUB</td>
<td>&lt;ONDELETE&gt; doc element not found</td>
<td>The parser could not locate the root element of the serialized &lt;ONDELETE&gt; command. This failure indicates an invalid XML document.  &lt;br&gt; <em>User response:</em> Correct the EVENTSUB XML request document and retry the request.</td>
</tr>
<tr>
<td>EVENTSUB</td>
<td>&lt;ONDELETE&gt; command node missing</td>
<td>The required &lt;COMMAND&gt; node of the &lt;ONDELETE&gt; command was not found.  &lt;br&gt; <em>User response:</em> Correct the EVENTSUB XML syntax and retry the request.</td>
</tr>
<tr>
<td>EVENTSUB</td>
<td>&lt;ONDELETE&gt; command serialize</td>
<td>The parser failed to serialize the &lt;ONDELETE&gt; command XML.  &lt;br&gt; <em>User response:</em> Correct the EVENTSUB XML syntax and retry the request.</td>
</tr>
<tr>
<td>EVENTSUB</td>
<td>init &lt;EVENTSUB&gt; node table</td>
<td>The generic parser validation routine found a syntax error.  &lt;br&gt; <em>User response:</em> Ensure the &lt;NAME&gt; element is specified, check DBCPRINT log for more messages, correct the EVENTSUB XML syntax, and retry the request.</td>
</tr>
<tr>
<td>EVENTSUB</td>
<td>event=' name ' not found</td>
<td>The event name specified to be deleted was not found.  &lt;br&gt; <em>User response:</em> Correct the event name and retry the request.</td>
</tr>
<tr>
<td>EVENTSUB</td>
<td>get current node name</td>
<td>The parser failed to get the required &lt;NAME&gt; node.  &lt;br&gt; <em>User response:</em> Verify the EVENTSUB XML syntax is valid and retry the request. If the problem persists, contact BMC Customer Support.</td>
</tr>
<tr>
<td>EVENTSUB</td>
<td>node=' nodeName ' is invalid</td>
<td>The required &lt;NAME&gt; or &lt;SUBID&gt; nodes were not found.  &lt;br&gt; <em>User response:</em> Correct the EVENTSUB XML syntax and retry the request.</td>
</tr>
<tr>
<td>Action</td>
<td>Error Description</td>
<td>Explanation and user response</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>EVENTUNSUB</td>
<td>&lt;SUBID&gt; node not found</td>
<td>The required &lt;SUBID&gt; XML element was not found. &lt;br&gt;<strong>User response:</strong> Correct the EVENTUNSUB XML syntax and retry the request.</td>
</tr>
<tr>
<td>EVENTUNSUB</td>
<td>&lt;SUBID&gt; node name invalid</td>
<td>The required &lt;SUBID&gt; XML element name is invalid. &lt;br&gt;<strong>User response:</strong> Correct the EVENTUNSUB XML syntax and retry the request.</td>
</tr>
<tr>
<td>EVENTUNSUB</td>
<td>&lt;SUBID&gt; value not found</td>
<td>The &lt;SUBID&gt; node does not specify a required value. &lt;br&gt;<strong>User response:</strong> Correct the EVENTUNSUB XML syntax and retry the request.</td>
</tr>
<tr>
<td>EVENTUNSUB</td>
<td>subscriber='subscriberId' not found</td>
<td>The specified subscriber was not found. This condition indicates that no subscription for this id was made or that the subscriber has already been deleted.&lt;br&gt;<strong>User response:</strong> Correct the &lt;SUBID&gt; value and retry the request.</td>
</tr>
<tr>
<td>EVENTUNSUB</td>
<td>&lt;SUBID&gt; length is invalid</td>
<td>The specified subscriber ID is invalid. &lt;br&gt;<strong>User response:</strong> Ensure the &lt;SUBID&gt; value does not exceed the maximum length and retry the request.</td>
</tr>
</tbody>
</table>

**BMCDBC0166E**  
**EMS error='errorDescription' event='eventName' key='subscriberId', rc=returnCode rsn=reasonCode**  
*Explanation:* The event request identified in message BMCDBC0165E has failed.  
- **errorDescription** indicates the specific error.  
- **eventName** indicates the name of the event for which the request was made.  
- **eventKey** indicates the subscriber associated with the request.  
*User response:* Review the error description and modify the event XML request as necessary. Then, retry the request.

**BMCDBC0167I**  
**EMS event='eventName' has action subscriber='subscriberId'**  
*Explanation:* This informational message indicates that an event (eventName) has registered or removed the specified subscriber. The **action** value specifies whether the subscriber was registered or removed.  
*User response:* No action is required.
BMCDBC0168E  CMD Failed to send DBC command to DBCMAI31 queue, rc= returnCode
rsn= reasonCode

Explanation: The CMD component of the DBC subsystem failed to send a DBC command to the DBC command processor queue. This exceptional condition reflects an internal error in the DBC.

User response: Re-issue the DBC command to the DBC subsystem. If the problem persists, gather all DBC output and contact BMC Customer Support.

BMCDBC0169E  CMD Invalid command: commandText

Explanation: The operator command that was issued to the DBC subsystem was not recognized by the subsystem. Ensure that the operator command is a valid command.

User response: Correct and retry the command.

BMCDBC0170I  DPR DBCDB2CP connected to DB2, SSID= db2Ssid

Explanation: DBC issues this informational message when the DBCDB2CP agent is started. The message indicates that the agent connected to a DB2 subsystem with the given DB2 SSID.

User response: No action is required.

BMCDBC0171I  DPR DBCDB2CP disconnected from DB2, SSID= db2Ssid

Explanation: DBC issues this informational message when the DBCDB2CP agent is stopped. The message indicates that the agent disconnected from a DB2 subsystem with the given DB2 SSID.

User response: No action is required.

BMCDBC0172I  DPR DBCDB2CP terminated, rc= returnCode rsn= reasonCode

Explanation: This informational message indicates that the DBCDB2CP agent terminated. If the return code is zero, the agent terminated without any errors. Otherwise, the agent terminated with errors.

User response: If the return code is zero, no action is required. Otherwise, review the DBC message log to determine if any errors were reported prior to the agent terminating. If you cannot determine the cause of the error, gather all DBC output and contact BMC Customer Support.

BMCDBC0173E  DPR DBCDB2CP failed to errorText, SSID= db2Ssid rc= returnCode rsn= reasonCode

Explanation: The DBCDB2CP agent encountered an error when calling an internal API to perform an action against a given DB2 subsystem. The db2Ssid value specifies the SSID of the DB2 subsystem. The returnCode and reasonCode values specify the return and reason codes returned from the API.

User response: Review the DBC message log to determine the cause of the error. If you cannot determine the cause of the error, gather all DBC output and contact BMC Customer Support.
**BMCDBC0174E**  
DPR DBCDB2CP command queue read error, rc= returnCode rsn= reasonCode  

*Explanation:* The DBCDB2CP agent failed to read a command message from its input queue. The DBCDB2CP agent reported the error and terminated. The return and reason codes indicate the cause of the error.  

*User response:* Review the DBC message log to determine the cause of the error. If you cannot determine the cause of the error, gather all DBC output and contact BMC Customer Support.

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**BMCDBC0175E**  
DPR DBCDB2CP failed to send response, rc= returnCode rsn= reasonCode  

*Explanation:* The DBCDB2CP agent failed to return a response message after issuing a DB2 command to a DB2 subsystem. The response message indicates the result of issuing the DB2 command. If the DBCDB2CP agent cannot send the response, the DPR component of the DBC subsystem will report an error when it fails to receive a response from the DBCDB2CP agent. The DBCDB2CP agent remains active and available to receive additional commands.  

*User response:* Review the DBC message log to determine the cause of the error. If you cannot determine the cause of the error, gather all DBC output and contact BMC Customer Support.

---

**BMCDBC0177E**  
DPR repository already in use by another DBC subsystem  

*Explanation:* The DPR component of the DBC subsystem is not able to use the DPR repository identified in the DBC startup options because another DBC subsystem is already using it. A given DPR repository VSAM cluster can be defined and used by only one DBC subsystem.  

*User response:* If you do not plan to use the DPR repository, no action is required. Otherwise, correct the DPR repository name in the DBC startup options and restart the DBC subsystem.

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**BMCDBC0178I**  
DPR deleted requestType’product. fmid[, piid][. objectName][. objectId]’, rc= returnCode  

*Explanation:* This message confirms successful deletion of a persisted command request from the DPR repository data set, where the requestType in the message can be INITPRODBYPDM, INITPROD or START and the request record itself is identified by the following values:  

- **product** - *(required)* This value represents the 3-byte BMC product code.  
- **fmid** - *(required)* This value represents the 7-byte FMID (that is, the product release level).  
- **piid** - *(optional)* This value represents the product instance identifier. This value has a maximum length of 16 bytes.  
- **objectName** - *(optional)* This value represents the START request object name (that is, AGENT, PROCESS or SRB).
- **objectId** - *(optional)* This value represents the START request object id (that is, TASKID, PROCID or SRBID). The range can be from 0 through 9999.

**User response:** No action is required.

**BMCDBC0179E**

**DPR DELETE failed for requestType product. fmid[, piid][. objectName][. objectId]*, rc= returnCode rsn= reasonCode

**Explanation:** This message indicates the DELETE request failed, where the requestType in the message can be INITPRODBYPDM, INITPROD or START and the request record itself is identified by the following values:

- **product** - *(required)* This value represents the 3-byte BMC product code.
- **fmid** - *(required)* This value represents the 7-byte FMID (that is, the product release level).
- **piid** - *(optional)* This value represents the product instance identifier. This value has a maximum length of 16 bytes.
- **objectName** - *(optional)* This value represents the START request object name (that is, AGENT, PROCESS or SRB).
- **objectId** - *(optional)* This value represents the START request object id (that is, TASKID, PROCID or SRBID). The range can be from 0 through 9999.

**User response:** Check the DBC log for further diagnostic messages that may help identify the cause of the problem. Correct any invalid syntax and retry the request.

**BMCDBC0180W**

**DPR DBCDB2CP unable to acquire DB2 authorization automatically**

**Explanation:** This warning message indicates that the DBC DB2 command processor agent (DBCDB2CP) was not able to acquire DB2 authorization automatically. This condition is a result of an internal error. The agent will attempt to continue processing. The DB2 authorization ID associated with the agent, however, will be the user ID of the DBC subsystem. Therefore, the agent may not have a sufficient DB2 authority level to issue DB2 commands. For more information about automatic DB2 authorization, refer to the `<DB2AUTH>` element within the DBC security options XML.

**User response:** Stop and restart the DBCDB2CP agent for which this condition occurred. If the agent issues the message again, you may need to grant DB2 authorization to the DBC subsystem. If this is necessary, you will need to do this for each DB2 subsystem to which the DBC will issue DB2 commands. To report the problem, contact BMC Customer Support.
BMCDBC0181E  DBC failed to \{get | free\} name latch set, rc= returnCode rsn= reasonCode
Explanation:  The DBC subsystem was unable to get or free the particular latch set. This message most likely indicates an internal error condition.
User response:  Review the DBC message log to see if additional messages provide information to help diagnose the problem. If you cannot determine the cause of the error, gather all DBC output and contact BMC Customer Support.

BMCDBC0182I  EMS event='eventName' has added a delayed subscriber, rc=4
Explanation:  The Event Management Service (EMS) of the DBC detected an event subscription request for an event that has not yet been defined. The subscription request has been delayed and will be automatically processed once an event definition request is received for the named event.
User response:  No action is required.

BMCDBC0183E  DBC cannot refresh security options because DBCSECUR DD was not specified at start-up
Explanation:  The REFRESH command was issued to the DBC subsystem to refresh the DBC security options. However, the DBCSECUR DD statement was not specified in the DBC subsystem startup JCL when the subsystem started. To refresh the DBC security options by using the REFRESH command, you must specify the DBCSECUR DD statement in the DBC subsystem startup JCL when the subsystem is started.
User response:  If you do not need to use the REFRESH command to dynamically refresh the DBC security options, no action is required. Otherwise, to enable this use of the REFRESH command, add the DBCSECUR DD statement to the DBC subsystem startup JCL and restart the DBC subsystem.

Messages BMCDBC0200 through BMCDBC0299

This group includes messages for the DBC component.

BMCDBC0200I  DBCUTIL begin DBCUTIL processing
Explanation:  The DBCUTIL utility began processing.
User response:  No action is required.

BMCDBC0201I  DBCUTIL processing completed, rc= returnCode
Explanation:  The DBCUTIL utility completed with the specified return code.
User response:  If the return code is zero, processing completed successfully and no action is required. Otherwise, refer to the error messages issued before this message to determine the specific cause of the error.
DBCUTIL begin processing input XML data

Explanation: The DBCUTIL utility began processing the input XML data that is specified in the SYSIN DD statement in the DBCUTIL JCL.

User response: No action is required.

DBCUTIL read error on ddname DD, errorDescription

Explanation: The DBCUTIL utility encountered an error while trying to read from the ddname DD statement.

User response: Browse the data set allocated to the ddname DD statement to ensure that it is not physically damaged. If you cannot determine the cause of the error, gather all DBCUTIL output and the SYSLOG from the time of the error, and contact BMC Customer Support.

DBCUTIL requested DBC subsystem not found

Explanation: The DBCUTIL utility could not locate the DBC subsystem specified by the SSID or GROUP program options. The program options are defined in the input XML data that is specified in the SYSIN DD statement in the DBCUTIL JCL.

User response: Ensure that the SSID or GROUP program options specify an active DBC subsystem.

DBCUTIL connected to DBC subsystem, SSID= ssid, Group= group

Explanation: The DBCUTIL utility located the DBC subsystem that is specified by the SSID or GROUP program options and will use that subsystem for command processing. The message displays SSID and DBC group names of the DBC subsystem.

User response: No action is required.

DBCUTIL failed to load module moduleName, rc= returnCode, rsn= reasonCode

Explanation: An attempt to load module moduleName failed. The returnCode indicates the abend code that the MVS LOAD service returned. The reasonCode indicates the associated reason code.

User response: Ensure that the module exists in the library containing the DBC product. If you cannot determine the cause of the error, gather all DBCUTIL output and the SYSLOG from the time of the error, and contact BMC Customer Support.

DBCUTIL failed to delete module moduleName, rc= returnCode

Explanation: At attempt to delete module moduleName failed. The returnCode indicates the return code from the MVS DELETE service.

User response: If you cannot determine the cause of the error, gather all DBCUTIL output and the SYSLOG from the time of the error, and contact BMC Customer Support.
| BMCDBC0208E | **DBCUTIL program option not recognized, optionName**  
*Explanation:* The DBCUTIL utility did not recognize the program option `optionName`. The program options are defined in the input XML data that is specified through the SYSIN DD statement in the DBCUTIL JCL.  
*User response:* Correct the specified program option to ensure that it indicates an option name that is supported by DBCUTIL, and resubmit the DBCUTIL job. |
| --- | --- |
| BMCDBC0209E | **DBCUTIL duplicate program option found, optionName**  
*Explanation:* The program option `optionName` was specified more than once. The program options are defined in the input XML data that is specified through the SYSIN DD statement in the DBCUTIL JCL.  
*User response:* Correct the specified program option so that it is specified only once, and resubmit the DBCUTIL job. |
| BMCDBC0210E | **DBCUTIL optionName value must not exceed max characters in length**  
*Explanation:* The value specified for the program option `optionName` must not exceed the maximum number of characters allowed for that program option. The program options are defined in the input XML data that is specified through the SYSIN DD statement in the DBCUTIL JCL.  
*User response:* Correct the value of the specified program option so that it does not exceed the maximum length, and resubmit the DBCUTIL job. |
| BMCDBC0211E | **DBCUTIL At least an SSID or a GROUP must be specified**  
*Explanation:* The DBCUTIL utility requires you to specify a value for either the SSID or GROUP program option. No value is specified for either option. The program options are defined in the input XML data that is specified through the SYSIN DD statement in the DBCUTIL JCL.  
*User response:* Specify a value for the SSID or GROUP program option, and resubmit the DBCUTIL job. |
| BMCDBC0212I | **DBCUTIL initialization complete**  
*Explanation:* The DBCUTIL utility completed initialization and will begin processing commands.  
*User response:* No action is required. |
| BMCDBC0213I | **DBCUTIL begin processing commands**  
*Explanation:* The DBCUTIL utility began processing commands.  
*User response:* No action is required. |
| BMCDBC0214E | **DBCUTIL invalid command element tag, tag**  
*Explanation:* The DBCUTIL utility detected an invalid element within the `<COMMANDS>` element. The DBCUTIL utility expected to find the
<COMMAND> element tag. The XML data that is specified through the SYSIN DD in the DBCUTIL JCL contains the invalid element.

User response: Correct the input XML data to ensure that only <COMMAND> elements are specified as direct children of the <COMMANDS> element. After correcting the XML, resubmit the DBCUTIL job.

BMCDBC0215I  DBCUTIL sending command: root-level XML element

Explanation: The DBCUTIL utility is sending the XML stream for the command with the specified root-level XML element to the target DBC subsystem for processing.

User response: No action is required.

BMCDBC0216I  DBCUTIL command sent successfully

Explanation: The command specified in message BMCDBC0215I was sent successfully to the target DBC subsystem for processing.

User response: No action is required.

BMCDBC0217I  DBCUTIL response received: rc= returnCode, rsn= reasonCode

Explanation: After the DBC subsystem processed the command specified in message BMCDBC0215I, the subsystem’s response was received successfully. The response included the specified return and reason codes.

User response: Review the return and reason codes to determine whether the command was processed successfully. If an error occurred and you cannot determine the cause, gather all DBCUTIL and DBC output and the SYSLOG from the time of the error, and contact BMC Customer Support.

BMCDBC0218E  DBC failed to initialize the DBC API, rc= returnCode, rsn= reasonCode

Explanation: An attempt to initialize the API for the DPR component of the DBC subsystem failed. The API returned the specified return and reason code values. If the return and reason codes indicate that the requested DBC subsystem could not be found, message BMCDBC0204E is issued immediately after this message.

User response: Review the return and reason codes to determine the specific cause of the error. If you cannot determine the cause of the error, gather all DBC output and the SYSLOG from the time of the error, and contact BMC Customer Support.

BMCDBC0219E  DBC failed to terminate the DBC API, rc= returnCode, rsn= reasonCode

Explanation: An attempt to terminate the API for the DPR component of the DBC subsystem failed. The API returned the specified return and reason code values.

User response: Review the return and reason codes to determine the specific cause of the error. If you cannot determine the cause of the error, gather all DBC output and the SYSLOG from the time of the error, and contact BMC Customer Support.
**BMCDBC0220E**  
**DBC failed to send DPR command, rc= returnCode, rsn= reasonCode**  
*Explanation:* An attempt to send a DPR command to the DPR component of the DBC subsystem failed. The API returned the specified return and reason code values.  
*User response:* Review the return and reason codes to determine the specific cause of the error. If you cannot determine the cause of the error, gather all DBC output and the SYSLOG from the time of the error, and contact BMC Customer Support.

**BMCDBC0221E**  
**DBCUTIL failed to read DPR response, rc= returnCode, rsn= reasonCode**  
*Explanation:* An attempt to read the response from the DPR component of the DBC subsystem failed. The API returned the specified return and reason code values.  
*User response:* Review the return and reason codes to determine the specific cause of the error. If you cannot determine the cause of the error, gather all DBC output and the SYSLOG from the time of the error, and contact BMC Customer Support.

**BMCDBC0222W**  
**DPR STARTAGENT ignored as Agent= taskID TCB(tcbAddr) is already active, rc= returnCode**  
*Explanation:* The DPR component of the DBC subsystem rejected a <STARTAGENT> request because an unique instance of that agent task is already active.  
*User response:* Modify the TASKID parameter of the <STARTAGENT> XML command to reflect a unique instance of that agent task and retry the request.

**BMCDBC0223I**  
**DPR object='prod.fmid.piid(name)' is {enabled | disabled}**  
*Explanation:* This informational message indicates whether a product object has been either disabled or enabled. The values have the following meanings:  
- The object value identifies the type of object (agent, function, process, or SRB).  
- The prod value represents the 3-byte BMC product code.  
- The fmid value represents the 7-byte SMP/E FMID of the product.  
- The piid value represents the optional 16-byte product instance ID.  
- The name value represents the program object.  
*User response:* No action is required.

**BMCDBC0224**  
**DBC subsystem ssid conflicts with non-dynamic SSID**  
*Explanation:* The IEFSSI QUERY function indicates that a non-dynamic subsystem with the same subsystem ID has been found. The DBC cannot reuse the non-dynamic subsystem, so DBC initialization terminates. This situation
can occur even if the existing non-dynamic subsystem is inactive, because the subsystem entry will remain until the next IPL.

*User response:* Change the DBC subsystem ID so that it does not conflict with an existing non-dynamic subsystem.
Messages BMC26000 through BMC26999

This chapter includes messages for the R+/CHANGE ACCUM for DB2 product, and because R+/CHANGE ACCUM is a component of the Recovery Management for DB2 product, for Recovery Management as well.

Messages BMC26000 through BMC26099

For the R+/CHANGE ACCUM for DB2 product, this topic explains each message in the designated range.

**BMC26001E**  
**THE OPTIONS MODULE ** *moduleName* ** IS NOT FORMATTED CORRECTLY - CHECK YOUR INSTALLATION PROCEDURE**

*Explanation:* A check of the internal integrity of your ACA$OPTS (or equivalent) module has failed. This probably indicates an error in the installation of R+/CHANGE ACCUM.

*User response:* Contact BMC Customer Support.

**BMC26002S**  
**THE OPTIONS MODULE ** *moduleName* ** COULD NOT BE LOADED**

*Explanation:* An attempt to load your ACA$OPTS (or equivalent) module has failed.

*User response:* Check your STEPLIB, JOBLIB, or LINKLIB list for the correct load library, and check the output from your R+/CHANGE ACCUM installation. You may have to resubmit the installation step to assemble and link edit the options module.

Messages BMC26400 through BMC26499

For the R+/CHANGE ACCUM for DB2 product, this topic explains each message in the designated range.
BMC26400E  INVALID AGE SPECIFIED - FOUND value - EXPECTING AN INTEGER IN THE RANGE (0 - 32767)

Explanation:  MODIFY ACCUM found an error in the value of the AGE parameter.

User response:  Specify an integer from 0 to 32767 to delete repository records beginning at a particular date. MODIFY ACCUM will subtract the specified number of days from the current date. Otherwise, specify * to delete all records for the space.

BMC26401E  INVALID DATE SPECIFIED - FOUND value - EXPECTING AN INTEGER OF THE FORM YYYYMMDD, NOT LATER THAN TODAY

Explanation:  MODIFY ACCUM tried to delete repository records by date but an incorrect format was used.

User response:  Specify the date in the format yyyyymmdd. You cannot specify a future date.

BMC26402I  DELETE TORBA = X'logPoint'

Explanation:  This message identifies the log point selected for deletion. All CHANGE ACCUM log ranges up to, but not including, this log point will be deleted from the repository.

User response:  No action is required.

BMC26403I  DATE = mm/dd/yyyy

Explanation:  This message identifies the date selected for deletion. All CHANGE ACCUM log ranges up to, but not including this date, will be deleted from the repository.

User response:  No action is required.

BMC26404I  DELETE AGE = integer

Explanation:  This message identifies the age selected for deletion. The age is converted to a date by subtracting the age from the current date. All CHANGE ACCUM log ranges up to, but not including this date, will be deleted from the repository.

User response:  No action is required.

BMC26405I  GROUP = changeAccumulationGroup

Explanation:  This message identifies the change accumulation group selected for deletion.

User response:  No action is required.

BMC26407I  NO LOGRANGES TO DELETE

Explanation:  This message is for information only. No log ranges for the specified space qualified for deletion.

User response:  No action is required.
**Explanation:** This message displays the version and copyright for R+/CHANGE ACCUM. It is issued by the MODIFY ACCUM utility.

**User response:** No action is required.

**Explanation:** This message displays the program name.

**User response:** No action is required.

**Explanation:** The keyword was previously specified for MODIFY ACCUM. The current step is terminated.

**User response:** Check the syntax and remove the redundant keyword.

**Explanation:** Using the contents of SYSCOPY as the basis for deleting repository records, MODIFY ACCUM found the indicated SYSCOPY row. The specified log point sets the upper limit (noninclusive) for which log range rows will be deleted from the repository.

**User response:** No action is required.

**Explanation:** This message is for information only.

**User response:** No action is required.

**Explanation:** Using the contents of SYSCOPY as the basis for deleting repository records, MODIFY ACCUM could not find any SYSCOPY rows for the specified table space.

A DSNUM of 0 (zero) designates the entire table space; otherwise, it designates a single partition or single data set of a nonpartitioned table space.

**User response:** No action is required.

**Explanation:** To update the repository using MODIFY ACCUM, you need the following DB2 authorizations:

- Install SYSADM or SYSADM authority

**Chapter 7  Messages BMC26000 through BMC26999    221**
EXECUTE authority for the R+/CHANGE ACCUM plan and the MODIFY ACCUM plan, and one of the following:

- SYSCTRL authority
- DBADM, DBCTRL, DBMAINT, or IMAGCOPY authority for the databases containing the target objects

Update authority should be granted only to users who must bind the R+/CHANGE ACCUM and MODIFY ACCUM plans.

User response: To obtain the proper authorizations, see your systems administrator.

**BMC26415E**  MODIFY ACCUM MUST BE FOLLOWED BY ONE OF THE KEYWORDS TABLESPACE OR GROUP

Explanation: The MODIFY ACCUM command is not followed by either a TABLESPACE or a GROUP specification. You may have misspelled one of these keywords.

User response: Correct the input command and resubmit the job.

**BMC26416E**  ANALYZE MUST BE FOLLOWED BY ONE OF YES, NO, OR ONLY

Explanation: The ANALYZE keyword is not followed by the keyword YES, NO, or ONLY. You may have misspelled one of these keywords.

User response: Correct the input command and resubmit the job.

**BMC26417I**  DELETE PURGE FAILED, PROCEEDING WITH DELETE NOSCRATCH

Explanation: An unsuccessful attempt was made to delete a change accumulation file. A DELETE NOSCRATCH will be attempted.

User response: No action is required.

**BMC26418I**  LOGRANGE DELETED FOR databaseName.tableSpaceName DSNUM = dsNum GROUPNAME = groupName

Explanation: MODIFY ACCUM deleted the log range for the specified record.

User response: No action is required.

**BMC26419I**  CAFILE DELETED FOR GROUPNAME = groupName

Explanation: MODIFY ACCUM deleted the change accumulation file for the specified group.

User response: No action is required.
**BMC26420W** IDCAMS task(dataSetName) FAILED, TEXT FOLLOWS:

*Explanation:* An unexpected IDCAMS error occurred. The specified data set either could not be listed or deleted. The task specified in the message identifies the action being performed on the data set.

*User response:* Review the accompanying message to determine an appropriate response.

**BMC26421I** task(dataSetName) COMPLETED SUCCESSFULLY

*Explanation:* The task (list or delete) performed on the specified data set is complete.

*User response:* No action is required.

**BMC26422E** LOGRANGE SELECTED FOR DELETION BY TORBA - X'logPoint' EXCEEDS LOG HIGH USED RBA - X'logPoint'

*Explanation:* The log range specified to be deleted exceeds the highest log point for this DB2 subsystem or data sharing group.

*User response:* Specify a log range that is bounded by the highest log point used.

**BMC26423I** HIGH WRITTEN RBA/LRSN IS X'logPoint'

*Explanation:* This message is for information only.

*User response:* No action is required.

**BMC26424I** CHECKING SYSIBM.SYSCOPY FOR databaseName.tableSpaceName ICTYPE = (F,R,X,Z)

*Explanation:* MODIFY ACCUM is searching for the oldest point of recovery within SYSCOPY record for the specified table space.

*User response:* No action is required.

**BMC26425W** NO DELETE CRITERIA SPECIFIED AND NO SYSCOPY ROWS FOUND FOR databaseName.tableSpaceName DSNUM = dsNum

*Explanation:* The specified table space has no entries in SYSCOPY that designate a point of recovery, and no other deletion criteria is specified. CHANGE ACCUM entries will not be deleted for this object.

*User response:* Specify DELETE AGE or TORBA option for the object and run MODIFY ACCUM again.

**BMC26426I** SYSIBM.SYSTABLESPACE CHECK BYPASSED FOR databaseName.tableSpaceName (KEYWORD TORBA OR DELETE WAS SPECIFIED)

*Explanation:* MODIFY ACCUM is not checking the DB2 catalog for the table space because you specified TORBA or DELETE.

*User response:* No action is required.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message Text</th>
<th>Explanation</th>
<th>User Response</th>
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</thead>
<tbody>
<tr>
<td>BMC26427I</td>
<td>TABLESPACE = databaseName таблицеSpaceName</td>
<td>This message identifies the table space name.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC26428I</td>
<td>EXECUTION MODE - (SIMULATION - ANALYZE ONLY)</td>
<td>MODIFY ACCUM is running in ANALYZE mode. Repository records will not be deleted.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC26429E</td>
<td>CONFLICTING KEYWORDS IN STATEMENT - FOUND keyword1 WITH keyword2</td>
<td>The specified options cannot be used together.</td>
<td>Determine which option is required and correct the statement.</td>
</tr>
<tr>
<td>BMC26430W</td>
<td>IDCAMS command, DATASET WAS NOT FOUND</td>
<td>This message displays &quot;LISTC ENT (dataSetName)&quot; if ANALYZE ONLY was specified or &quot;DELETE dataSetName PURGE&quot; if ANALYZE YES was specified or defaulted.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC26431E</td>
<td>KEYWORD keyword1 MUST PRECEDE keyword2</td>
<td>When keyword1 is specified, keyword2 must also be specified.</td>
<td>Specify the options in the correct order and try again.</td>
</tr>
<tr>
<td>BMC26432E</td>
<td>INVALID ACA$OPTS VERSION - FOUND value1, EXPECTING value2</td>
<td>The version of the ACA$OPTS load module does not match the version of ACAMOD.</td>
<td>Determine whether the correct version of the ACA$OPTS load module exists in your STEPLIB, JOBLIB, or LINKLIB list and why it was not used.</td>
</tr>
<tr>
<td>BMC26433E</td>
<td>SSID ssid EXCEEDS 4 CHARACTERS IN LENGTH</td>
<td>The subsystem ID cannot be more than four characters.</td>
<td>Specify a one- to four-character SSID.</td>
</tr>
<tr>
<td>BMC26434E</td>
<td>WILDCARDING IS NOT SUPPORTED FOR OBJECT TYPE object: name</td>
<td>You have input a GROUP or TABLESPACE name with one of the wildcarding characters included. Wildcarding is not supported for MODIFY ACCUM.</td>
<td>Correct the input command and resubmit the job.</td>
</tr>
</tbody>
</table>
BMC26435I OBJECT SUMMARY:
Explanation: The message begins the Object Summary, listing all of the
CHANGE ACCUM log ranges that have been selected for deletion.
User response: No action is required.

BMC26437I LOGRANGE ROW(S) NOT SELECTED FOR DELETION
Explanation: MODIFY ACCUM did not find any CHANGE ACCUM log range
rows to delete.
User response: No action is required.

BMC26438E NO MODIFY ACCUM STATEMENTS TO PROCESS
Explanation: No MODIFY ACCUM statements exist in the SYSIN.
User response: No action is required.

BMC26439I GROUP = groupName FROMRBA = X'logPoint1' TORBA = X'logPoint2'
Explanation: As a part of the Object Summary, this message describes the
CHANGE ACCUM log range that will be deleted.
User response: No action is required.

BMC26440I PROCESSING CHANGE ACCUM LOG RANGES
Explanation: This message marks the beginning of execution where the
CHANGE ACCUM log records are deleted.
User response: No action is required.

BMC26441I PROCESSING CHANGE ACCUM FILES
Explanation: This message marks the beginning of execution where the
CHANGE ACCUM files are deleted.
User response: No action is required.

BMC26442E YOU MUST SPECIFY TORBA OR DELETE IN A MODIFY ACCUM
STATEMENT WHICH INCLUDES GROUP
Explanation: You have input a MODIFY ACCUM GROUP statement without
one of the TORBA or DELETE parameters. One of these must be included.
User response: Correct the input command and resubmit the job.

BMC26443I DELETE ALL FILES AND LOG RANGES
Explanation: This is an explanatory message that is part of the Object Summary
for a group. It indicates that AGE(*) or DATE(*) was specified so that all files
and log ranges will be deleted for the group.
User response: No response is necessary.
FILECOUNT = fileCount CADATE = date CARBA = X’datasetName startTime endTime startRBA endRBA hexValue’

Explanation: This is an explanatory message that is part of the Object Summary for a group. It is reported for each file in the group that will be deleted.

User response: No response is necessary.

Messages BMC26600 through BMC26699

For the R+/CHANGE ACCUM for DB2 product, this topic explains each message in the designated range.

BMC26600E SQLCODE sqlReturnCode FROM SQL COMMAND - RC returnCode FROM ACECSERR

Explanation: An SQL error was received that could not be interpreted by ACECSERR.

User response: This is probably an internal error. Contact BMC Customer Support.

BMC26601E SQLCODE sqlReturnCode FROM SQL COMMAND - ANY OTHER MESSAGES FOLLOW

Explanation: An SQL request failed. This message is followed by message BMC26765.

User response: See message BMC26765.

BMC26602E CANNOT DELETE FILE FOR GROUP groupName -- NO FILE COUNT SPECIFIED

Explanation: The file count must be specified to delete a file set.

User response: This is an internal error. Contact BMC Customer Support.

BMC26603E CONNECTION TO DB2 SUBSYSTEM ssid USING PLAN planName FAILED

Explanation: The product attempted to connect to the DB2 subsystem shown using the plan name shown.

User response: Contact BMC Customer Support. Refer to the reason code provided in BMC40020 following this message to determine the cause of the failure.

BMC26604E THE DEFAULT GROUP NAME groupName WAS NOT FOUND IN THE ACAGROUP TABLE

Explanation: The default group name provided during installation cannot be found. This group name must exist in the CAGROUP table with corresponding entries in the CAGRPCP table. This error can occur as a result of the following:
- the installation completed incorrectly
- you modified the CAGROUP table

**User response:** Verify that installation completed correctly. Determine whether the group name exists in the CAGROUP table. If it does not exist, you need to reinstall the product.

**BMC26605E**  
**AN SQL ERROR OCCURRED DURING RETRIEVAL OF THE DEFAULT GROUP **groupName**

**Explanation:** An SQL error occurred while retrieving the default group name. This message is followed by message BMC26765.

**User response:** See message BMC26765.

**BMC26606E**  
**A MAX DEFAULT GROUP MATCHING THE PATTERN **pattern** **CANNOT BE FOUND**

**Explanation:** No groups exist that begin with the prefix indicated by **pattern**. This error is similar to message BMC26604.

**User response:** See message BMC26604.

**BMC26607E**  
**AN SQL ERROR OCCURRED DURING RETRIEVAL OF THE MAXIMUM GROUP MATCHING **pattern**

**Explanation:** An SQL error occurred while retrieving groups beginning with the prefix indicated by **pattern**. This message is followed by message BMC26765.

**User response:** See message BMC26765.

**BMC26608E**  
**THE COPY NUMBER GENERATED (**copyNumber** ) FOR THE NEW DEFAULT GROUP NAME EXCEEDS THE MAXIMUM SUPPORTED NUMBER OF **maxCopyNumber**

**Explanation:** The maximum number of default groups has been exceeded. The value of **maxCopyNum** exceeds the maximum number of generated default groups specified in the CAGROUP table.

**User response:** You must specify group names explicitly.

**BMC26609E**  
**INSERTION OF THE GENERATED GROUP NAME OF **groupName** **FAILED - REFER TO PRECEDING MESSAGES**

**Explanation:** An error occurred while attempting to use the generated default group name. The nature of the error is detailed in previous messages.

**User response:** Review the previous messages to determine an appropriate response.
BMC26610E  THE NAME GENERATED FOR THE GROUP *(groupName)* ALREADY EXISTS IN THE REPOSITORY

Explanation: The new group name generated by the repository already exists in the repository.

User response: Review any previous messages. If you cannot resolve the problem based on these messages, contact BMC Customer Support.

BMC26611E  SQL ERROR OCCURRED ATTEMPTING TO RETRIEVE THE GENERATED GROUP NAME OF *groupName*

Explanation: An SQL error occurred while attempting to add a new default group name in the repository. This message is followed by messages BMC26601 and BMC26765.

User response: See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26612E  SQL ERROR OCCURRED ATTEMPTING TO COPY FILE TEMPLATE ROWS FROM *sourceGroupName* TO *targetGroupName*

Explanation: An SQL error occurred while attempting to copy the file templates from an existing default group to a new default group. The new default group name (*targetGroupName*) is removed from the repository. This message is followed by messages BMC26601 and BMC26765.

User response: See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26613E  GROUP NAME SPECIFIED *(groupName)* CONTAINS NO CHARACTERS

Explanation: No characters were specified in the group name.

User response: Specify a group name.

BMC26614E  GROUP NAME SPECIFIED *(groupName)* CONTAINS INVALID CHARACTERS

Explanation: The group name you specified contains invalid characters.

User response: Specify a group name consisting of 1 to 18 alphanumeric or @, #, $, _, and - characters.

BMC26615E  GROUP NAME SPECIFIED *(groupName)* FAILED VALIDITY CHECK WITH RC = returnCode

Explanation: The group name you specified failed internal validity checking.

User response: This is probably an internal error. Contact BMC Customer Support.

BMC26616W  THE GROUP NAME BEING INSERTED *(groupName)* ALREADY EXISTS IN THE REPOSITORY

Explanation: The group name you specified already exists in the repository.

User response: No action is required.
BMC26617E  SQL ERROR OCCURRED PRIOR TO INSERTION OF GROUP *groupName*
Explanation: An SQL error occurred before a new group could be added to the repository. This message is followed by messages BMC26601 and BMC26765.
User response: See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26618E  SQL ERROR OCCURRED DURING INSERTION OF GROUP *groupName*
Explanation: An SQL error occurred while adding a new group to the repository. This message is followed by messages BMC26601 and BMC26765.
User response: See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26619E  SQL ERROR DURING FILE TEMPLATE CURSOR RETRIEVAL FOR GROUP *groupName*:
Explanation: An SQL error occurred while retrieving file templates for *groupName*. This message is followed by messages BMC26601 and BMC26765.
User response: See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26620E  SQL ERROR DURING DEFINITION CURSOR RETRIEVAL FOR GROUP *groupName*:
Explanation: An SQL error occurred while retrieving the definition for *groupName*. This message is followed by messages BMC26601 and BMC26765.
User response: See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26621E  SQL ERROR DURING FILE CURSOR RETRIEVAL FOR GROUP *groupName*:
Explanation: An SQL error occurred while retrieving files for *groupName*. This message is followed by messages BMC26601 and BMC26765.
User response: See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26622E  SQL ERROR DURING FILE COPY CURSOR RETRIEVAL FOR GROUP *groupName*:
Explanation: An SQL error occurred while retrieving file copies for *groupName*. This message is followed by messages BMC26601 and BMC26765.
User response: See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26623W  GROUP NAME *groupName* WAS NOT FOUND -- UPDATE NOT PERFORMED
Explanation: The group specified to be updated does not exist in the repository. Updates are qualified on the group name and the DB2 subsystem ID.
User response: Verify that you are connected to the appropriate DB2 subsystem. If you are connected to the appropriate DB2 subsystem, you must specify a
valid group name. Otherwise, the group may exist in a repository located on another DB2 subsystem.

**BMC26624E**  
**SQL ERROR DURING UPDATE OF GROUP** **groupName**:  
*Explanation:* An SQL error occurred while attempting to update **groupName**. This message is followed by messages BMC26601 and BMC26765.  
*User response:* See messages BMC26601 and BMC26765 to determine an appropriate response.

**BMC26625W**  
**GROUP** **groupName** **WAS NOT FOUND -- DELETE FAILED**  
*Explanation:* The group specified to be deleted was not found. No group was deleted.  
*User response:* Verify that you are connected to the appropriate DB2 subsystem. If you are connected to the appropriate DB2 subsystem, you must specify a valid group name. Otherwise, the group may exist in a repository located on another DB2 subsystem.

**BMC26626E**  
**SQL ERROR DELETING GROUP** **groupName** **-- OTHER MESSAGES FOLLOW:**  
*Explanation:* An SQL error occurred while trying to delete **groupName**. This message is followed by messages BMC26601 and BMC26765.  
*User response:* See messages BMC26601 and BMC26765 to determine an appropriate response.

**BMC26627E**  
**SQL ERROR DELETING DEFINITIONS FOR GROUP** **groupName** **-- OTHER MESSAGES FOLLOW:**  
*Explanation:* An SQL error occurred while deleting definitions for **groupName**. All related delete operations in other tables for this group are rolled back. This message is followed by messages BMC26601 and BMC26765.  
*User response:* See messages BMC26601 and BMC26765 to determine an appropriate response.

**BMC26628E**  
**SQL ERROR DELETING FILE TEMPLATES FOR GROUP** **groupName** **-- OTHER MESSAGES FOLLOW:**  
*Explanation:* An SQL error occurred while deleting file templates for **groupName**. All related delete operations in other tables for this group are rolled back. This message is followed by messages BMC26601 and BMC26765.  
*User response:* See messages BMC26601 and BMC26765 to determine an appropriate response.
BMC26629E  SQL ERROR DELETING FILE SET FOR GROUP groupName -- OTHER MESSAGES FOLLOW:

Explanation: An SQL error occurred while deleting the file set for groupName. All related delete operations in other tables for this group are rolled back. This message is followed by messages BMC26601 and BMC26765.

User response: See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26630E  SQL ERROR DELETING FILES FOR GROUP groupName -- OTHER MESSAGES FOLLOW:

Explanation: An SQL error occurred while deleting files from groupName. All related delete operations in other tables for this group are rolled back. This message is followed by messages BMC26601 and BMC26765.

User response: See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26631E  SQL ERROR DELETING LOG RANGES FOR GROUP groupName -- OTHER MESSAGES FOLLOW:

Explanation: An SQL error occurred while attempting to delete log ranges from groupName. All related delete operations in other tables for this group are rolled back. This message is followed by messages BMC26601 and BMC26765.

User response: See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26632E  SQL ERROR INSERTING CADEFINITION FOR GROUP groupName, DBNAME databaseName, TSNAME tableSpaceName, LODSNUM loDsNum, HIDSNUM hiDsNum

Explanation: An SQL error occurred while adding a new definition for groupName. This message is followed by messages BMC26601 and BMC26765.

User response: See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26633W  DEFINITION FOR GROUP groupName WAS NOT FOUND -- DELETE FAILED

Explanation: The definition for groupName was not found. The delete operation is qualified by group name, DB2 subsystem ID, database name, table space name, low data set number, and high data set number.

User response: Correct the information you provided.

BMC26634E  SQL ERROR DELETING DEFINITION FOR GROUP groupName -- OTHER MESSAGES FOLLOW:

Explanation: An SQL error occurred while trying to delete a definition for groupName. This message is followed by messages BMC26601 and BMC26765.

User response: See messages BMC26601 and BMC26765 to determine an appropriate response.
BMC26635E  DEFINITION IS INVALID - NO GROUP NAME SUPPLIED
Explanation: A group name must be specified for a group definition.
User response: Specify a group name.

BMC26636E  DEFINITION FOR GROUP groupName IS INVALID -- DBNAME NOT SUPPLIED
Explanation: A database name must be specified for a group definition.
User response: Specify a database name.

BMC26637E  DEFINITION FOR GROUP groupName IS INVALID -- TSNAME NOT SUPPLIED
Explanation: A table space name must be specified for a group definition.
User response: Specify a table space name.

BMC26638E  DEFINITION FOR GROUP groupName IS INVALID -- LODSNUM NOT SUPPLIED
Explanation: A value was not specified for the low data set number.
User response: Specify a low data set number.

BMC26639E  DEFINITION FOR GROUP groupName IS INVALID -- HIDSNUM NOT SUPPLIED
Explanation: A value was not specified for the high data set number.
User response: Specify a high data set number.

BMC26640S  LOGICAL UNIT OF WORK IN PROGRESS DURING TERMINATION -- BACKOUT IN PROGRESS
Explanation: The status of the operation being performed is uncertain.
User response: This is an internal error. Contact BMC Customer Support.

BMC26641E  FILE TEMPLATE COPY NUMBER copyNumber ALREADY EXISTS FOR GROUP groupName
Explanation: The specified copy number already exists for the group. The file template is not added for the group.
User response: This is probably an internal error. Contact BMC Customer Support.

BMC26642E  SQL ERROR ATTEMPTING TO RETRIEVE FILE TEMPLATE COPY NUMBER copyNumber FOR GROUP groupName
Explanation: An SQL error occurred while trying to retrieve the file template for groupName, to which a new file template row is to be added. This message is followed by messages BMC26601 and BMC26765.
User response: See messages BMC26601 and BMC26765 to determine an appropriate response.
**BMC26643E**  SQL ERROR RETRIEVING MAX COPYNUMBER FOR GROUP `groupName`

*Explanation:* An SQL error occurred while attempting to add a file template for the `groupName`. A copy number was not specified. This message is followed by messages BMC26601 and BMC26765.

*User response:* See messages BMC26601 and BMC26765 to determine an appropriate response.

**BMC26644E**  SQL ERROR ATTEMPTING TO INSERT COPYNUMBER `copyNumber` FOR GROUP `groupName`

*Explanation:* An SQL error occurred while attempting to add a file template for the `groupName`. This message is followed by messages BMC26601 and BMC26765.

*User response:* See messages BMC26601 and BMC26765 to determine an appropriate response.

**BMC26645W**  COULD NOT DELETE COPYNUMBER `copyNumber` FOR GROUP `groupName` ON SYSTEM `ssid` -- DOES NOT EXIST

*Explanation:* The file template indicated by `copyNumber` could not be deleted for `groupName` because the file template does not exist. The delete operation is qualified on group name and file template copy number.

*User response:* Correct the information you provided.

**BMC26646E**  SQL ERROR ATTEMPTING TO DELETE COPYNUMBER `copyNumber` FOR GROUP `groupName`

*Explanation:* An SQL error occurred while attempting to delete a file template for `groupName`. This message is followed by messages BMC26601 and BMC26765.

*User response:* See messages BMC26601 and BMC26765 to determine an appropriate response.

**BMC26647E**  ENQ FOR QNAME `queueName` AND RNAME `resourceName` FAILED WITH RC = `returnCode`

*Explanation:* An unexpected return code was received for the enqueue on the indicated queue name and resource name.

*User response:* Review any other messages to determine the cause of the problem. If you cannot resolve the problem based on those messages, contact BMC Customer Support.

**BMC26648E**  DEQ FOR QNAME `queueName` AND RNAME `resourceName` FAILED WITH RC = `returnCode`

*Explanation:* An unexpected return code was received for the release of the enqueue on the indicated queue name and resource name.

*User response:* Review any other messages to determine the cause of the problem. If you cannot resolve the problem based on those messages, contact BMC Customer Support.
BMC26649E  DEFINITION FOR GROUP groupName IS INVALID -- DBNAME OF (databaseName) FAILED VALIDITY TESTS

Explanation: The database specified in the message contains invalid characters of an undetermined nature.

User response: This is an internal error. Contact BMC Customer Support.

BMC26650E  DEFINITION FOR GROUP groupName IS INVALID -- TSNAME OF (tableSpaceName) FAILED VALIDITY TESTS

Explanation: The table space specified in the message contains invalid characters of an undetermined nature.

User response: This is an internal error. Contact BMC Customer Support.

BMC26651E  DEFINITION FOR GROUP groupName IS INVALID -- DBNAME CONTAINS NO CHARACTERS

Explanation: A database name must be specified for the group definition.

User response: Specify a database name, which may contain alphanumeric and $, @, # characters, and the %, _, ?, and * wildcard characters.

BMC26652E  DEFINITION FOR GROUP groupName IS INVALID -- DBNAME OF (databaseName) CONTAINS INVALID CHARACTER(S)

Explanation: The database name specified contains invalid characters.

User response: Specify a database name, which may contain alphanumeric and $, @, # characters, and the %, _, ?, and * wildcard characters.

BMC26653E  DEFINITION FOR GROUP groupName IS INVALID -- DBNAME OF (databaseName) CONTAINS IMBEDDED BLANK(S)

Explanation: Imbedded blanks were found in the database name.

User response: Remove the imbedded blanks.

BMC26654E  DEFINITION FOR GROUP groupName IS INVALID -- TSNAME CONTAINS NO CHARACTERS

Explanation: A table space name must be specified for the group definition.

User response: Specify a table space name, which may contain alphanumeric and @, $, and # characters, and the %, _, ?, and * wildcard characters.

BMC26655E  DEFINITION FOR GROUP groupName IS INVALID -- TSNAME OF (tableSpaceName) CONTAINS INVALID CHARACTER(S)

Explanation: The table space name specified contains invalid characters.

User response: Specify a table space name, which may contain alphanumeric and @, $, and # characters, and the %, _, ?, and * wildcard characters.
BMC26656E  DEFINITION FOR GROUP groupName IS INVALID -- TSPACE NAME OF
         (tableSpaceName) CONTAINS IMBEDDED BLANK(S)
Explanation: Imbedded blanks were found in the table space name.
User response: Remove the imbedded blanks.

BMC26657E  DEFINITION FOR GROUP groupName IS INVALID -- LODSNUM VALUE OF
         loDsNum IS NEGATIVE OR GREATER THAN 4096
Explanation: The value specified for the low data set number falls outside
acceptable ranges.
User response: Correct the value.

BMC26658E  DEFINITION FOR GROUP groupName IS INVALID -- HIDSNUM VALUE OF
         hiDsNum IS NEGATIVE OR GREATER THAN 4096
Explanation: The value specified for the high data set number falls outside
acceptable ranges.
User response: Correct the value.

BMC26659E  DEFINITION FOR GROUP groupName IS INVALID -- HIDSNUM VALUE OF
         hiDsNum SPECIFIED WHEN LODSNUM IS 0
Explanation: The low data set number was set as zero and the high data set
number was set as a value other than zero. The values for both the low and
high data set numbers must be either zero or non-zero.
User response: To include all data sets for the database and table space
specified, specify both the low and high data set numbers as zero. To specify a
range of data set numbers, the low and high data set numbers must be values
other than zero.

BMC26660E  DEFINITION FOR GROUP groupName IS INVALID -- LODSNUM VALUE OF
         loDsNum IS GREATER THAN HIDSNUM VALUE OF hiDsNum
Explanation: An invalid range of data set numbers was specified. The low data
set number must be less than or equal to the high data set number.
User response: Correct either the low or high data set number.

BMC26661E  DEFINITION FOR GROUP groupName IS INVALID -- DBNAME
databaseName CONTAINS PATTERN WHEN LODSNUM (loDsNum) OR
HIDSNUM (hiDsNum) IS NON-ZERO
Explanation: Because the database name contains wildcard characters, you
cannot specify a range of data set numbers.
User response: Either set both the low and high data set numbers to zero, or
remove the wildcard character from the database name.
DEFINITION FOR GROUP *groupName* IS INVALID -- TSNAME

*tableSpaceName* CONTAINS PATTERN WHEN LODSNUM (*loDsNum*) OR
HIDSNUM (*hiDsNum*) IS NON-ZERO

Explanation: Because the table space name contains wildcard characters, you
cannot specify a range of data set numbers.

User response: Either set both the low and high data set numbers to zero, or
remove the wildcard character from the table space name.

FILE TEMPLATE IS INVALID - NO GROUP NAME SUPPLIED

Explanation: A group name must be specified for the file template.

User response: Specify a group name.

FILE TEMPLATE FOR GROUP *groupName* IS INVALID -- COPY NUMBER
VALUE OF *copyNumber* IS NOT IN THE RANGE OF 1 TO 4

Explanation: The copy number specified for the file template is not an
acceptable value.

User response: This is probably an internal error. Contact BMC Customer
Support.

FILE TEMPLATE FOR GROUP *groupName* IS INVALID -- LOCAL NOT
SUPPLIED

Explanation: The LOCAL column does not contain a value. Valid values are 0
and 1.

User response: This is probably an internal error. Contact BMC Customer
Support.

FILE TEMPLATE FOR GROUP *groupName* IS INVALID -- VALUE SPECIFIED
FOR LOCAL (*value*) IS NOT '0' OR '1'

Explanation: The LOCAL column was not properly valued. Valid values are 0
and 1.

User response: This is probably an internal error. Contact BMC Customer
Support.

FILE TEMPLATE FOR GROUP *groupName* IS INVALID -- PRIMARY NOT
SUPPLIED

Explanation: The PRIMARY column does not contain a value. Valid values are
0 and 1.

User response: This is probably an internal error. Contact BMC Customer
Support.
BMC26668E  FILE TEMPLATE FOR GROUP *groupName* IS INVALID -- VALUE SPECIFIED FOR PRIMARY *(value)* IS NOT '0' OR '1'

*Explanation:* The PRIMARY column named was not properly valued. Valid values are 0 and 1.

*User response:* This is probably an internal error. Contact BMC Customer Support.

BMC26669E  FILE TEMPLATE FOR GROUP *groupName* IS INVALID -- DSNMODEL NOT SUPPLIED OR BEGINS WITH A BLANK

*Explanation:* The model data set name for file allocation was not provided.

*User response:* Specify the model data set name.

BMC26670W  UNIT NAME NOT SUPPLIED FOR GROUP *groupName* -- ITS VALUE MUST BE SUPPLIED VIA STORAGE CLASS SPECIFICATION

*Explanation:* The unit name for file allocation was not provided. This message is a warning. The unit type can be supplied via the storage class in DFSMS.

*User response:* If you know the unit name will be supplied via the storage class of DFSMS (either explicitly or by rules defined in the ACS routine), ignore this message.

If DFSMS is not active on your system or the ACS routine does not control file allocation, modify the file template to specify the unit name.

BMC26671E  FILE TEMPLATE FOR GROUP *groupName* IS INVALID -- ALLOCATION TYPE OF *allocationTypeValue* SPECIFIED, MUST BE C OR T

*Explanation:* An invalid value was specified for the allocation type.

*User response:* Specify C for cylinder or T for track.

BMC26672E  FILE TEMPLATE FOR GROUP *groupName* IS INVALID -- PRIMARY SPACE VALUE SUPPLIED *primarySpaceValue* IS INVALID

*Explanation:* An unacceptable value was specified for the primary allocation.

*User response:* Specify a positive integer.

BMC26673E  FILE TEMPLATE FOR GROUP *groupName* IS INVALID -- SECONDARY SPACE VALUE SUPPLIED *secondarySpaceValue* IS INVALID

*Explanation:* An unacceptable value was specified for the secondary allocation.

*User response:* Specify a positive integer.

BMC26674E  FILE TEMPLATE FOR GROUP *groupName* IS INVALID -- RELEASE NOT SUPPLIED

*Explanation:* The RELEASE column does not contain a value. Valid values are 0 and 1.

*User response:* This is probably an internal error. Contact BMC Customer Support.
BMC26675E  FILE TEMPLATE FOR GROUP `groupName` IS INVALID -- VALUE SPECIFIED FOR RELEASE `(value)` IS NOT ‘0’ OR ‘1’

Explanation: The RELEASE column was not properly valued. Valid values are 0 and 1.

User response: This is probably an internal error. Contact BMC Customer Support.

BMC26676E  FILE TEMPLATE FOR GROUP `groupName` IS INVALID -- VOLUME COUNT VALUE SUPPLIED `value` IS INVALID

Explanation: The value specified for volume count is invalid.

User response: Specify a valid number.

BMC26677E  FILE TEMPLATE IS INVALID -- EXPIRATION DATE `expirationDate` CONTAINS OTHER THAN BLANKS OR NUMERICs

Explanation: An invalid expiration date was specified.

User response: Specify an expiration date in the form `yyddd` or `yyyyyddd`.

BMC26678E  FILE TEMPLATE IS INVALID -- EXPIRATION DATE `expirationDateValue` CONTAINS NON-NUMERIC CHARACTERS

Explanation: The expiration date specified contains non-numeric characters.

User response: Specify an expiration date in the form `yyddd` or `yyyyyddd`.

BMC26679E  FILE TEMPLATE IS INVALID -- EXPIRATION DATE `expirationDateValue` MUST BE SPECIFIED AS `yyddd` OR `yyyyyddd`

Explanation: The expiration date contains too few or too many numeric characters.

User response: Specify an expiration date in the form `yyddd` or `yyyyyddd`.

BMC26680E  FILE TEMPLATE FOR GROUP `groupName` IS INVALID -- RETENTION PERIOD `retentionPeriodValue` IS INVALID. MUST BE 0 TO 9999

Explanation: The retention period specified is outside the acceptable range of values.

User response: Specify values from 0 to 9999 for the range.

BMC26681E  FILE TEMPLATE FOR GROUP `groupName` IS INVALID -- RETENTION PERIOD AND EXPIRATION DATE BOTH SPECIFIED

Explanation: You cannot specify both a retention period and an expiration date.

User response: Specify either a retention period or an expiration date.

BMC26682E  CA FILE SET IS INVALID - NO GROUP NAME SUPPLIED

Explanation: A group name is required for file set rows.

User response: This is probably an internal error. Contact BMC Customer Support.
BMC26683E   CA FILE SET FOR GROUP `groupName` IS INVALID -- FILE COUNT OF `fileCount` IS NOT IN THE RANGE 1 TO `max`

**Explanation:** An explicit file count was specified that exceeds the maximum value allowed. Normally, a file count is generated based on information found in the repository. R+/CHANGE ACCUM incorrectly provided an explicit (and illegal) file count.

**User response:** This is probably an internal error. Contact BMC Customer Support.

BMC26684E   CA FILE SET FOR GROUP `groupName` IS INVALID -- CA RBA NOT SUPPLIED BY REQUESTER

**Explanation:** The CARBA column does not contain a value.

**User response:** This is probably an internal error. Contact BMC Customer Support.

BMC26685E   CA FILE SET FOR GROUP `groupName` IS INVALID -- UNOPEN NOT SUPPLIED

**Explanation:** The UNOPEN column does not contain a value. Valid values are 0 and 1.

**User response:** This is probably an internal error. Contact BMC Customer Support.

BMC26686E   CA FILE SET FOR GROUP `groupName` IS INVALID -- VALUE SPECIFIED FOR UNOPEN (value) IS NOT '0' OR '1'

**Explanation:** The UNOPEN column was not properly valued. Valid values are 0 and 1.

**User response:** This is probably an internal error. Contact BMC Customer Support.

BMC26687E   CA FILE FOR GROUP `groupName` IS INVALID -- FILE COUNT NOT SUPPLIED BY REQUESTER

**Explanation:** The CAFILECOUNT column does not contain a value.

**User response:** This is probably an internal error. Contact BMC Customer Support.

BMC26688E   CA FILE FOR GROUP `groupName` IS INVALID -- CA COPY NUMBER NOT SUPPLIED BY REQUESTER

**Explanation:** The CACOPYNUMBER column does not contain a value.

**User response:** This is probably an internal error. Contact BMC Customer Support.
**BMC26689E**  
**CA FILE FOR GROUP** `groupName` **IS INVALID -- FILE DATA SET NAME NOT SUPPLIED BY REQUESTER**

*Explanation:* The CADSN column does not contain a value.

*User response:* This is probably an internal error. Contact BMC Customer Support.

**BMC26690E**  
**CA FILE FOR GROUP** `groupName` **IS INVALID -- LOCAL NOT SUPPLIED**

*Explanation:* The LOCAL column does not contain a value. Valid values are 0 and 1.

*User response:* This is probably an internal error. Contact BMC Customer Support.

**BMC26691E**  
**CA FILE FOR GROUP** `groupName` **IS INVALID -- VALUE SPECIFIED FOR LOCAL** `(value)` **IS NOT '0' OR '1'**

*Explanation:* The LOCAL column was not properly valued. Valid values are 0 and 1.

*User response:* This is probably an internal error. Contact BMC Customer Support.

**BMC26692E**  
**CA FILE FOR GROUP** `groupName` **IS INVALID -- PRIMARY NOT SUPPLIED**

*Explanation:* The PRIMARY column does not contain a value. Valid values are 0 and 1.

*User response:* This is probably an internal error. Contact BMC Customer Support.

**BMC26693E**  
**CA FILE FOR GROUP** `groupName` **IS INVALID -- VALUE SPECIFIED FOR PRIMARY** `(value)` **IS NOT '0' OR '1'**

*Explanation:* The PRIMARY column was not properly valued. Valid values are 0 and 1.

*User response:* This is probably an internal error. Contact BMC Customer Support.

**BMC26694E**  
**CA FILE FOR GROUP** `groupName` **IS INVALID -- UNIT NOT SUPPLIED**

*Explanation:* The UNIT column does not contain a value.

*User response:* This is probably an internal error. Contact BMC Customer Support.

**BMC26695E**  
**LOG RANGE IS INVALID - NO GROUP NAME SUPPLIED**

*Explanation:* A group name must be specified for log range records.

*User response:* This is probably an internal error. Contact BMC Customer Support.
Messages BMC26700 through BMC26799

For the R+/CHANGE ACCUM for DB2 product, this topic explains each message in the designated range.

BMC26700E  LOG RANGE FOR GROUP *groupName* IS INVALID -- DATA BASE ID NUMBER NOT SUPPLIED BY REQUESTER
Explanation: The DBID column does not contain a value.
User response: This is probably an internal error. Contact BMC Customer Support.

BMC26701E  LOG RANGE FOR GROUP *groupName* IS INVALID -- PSID NUMBER NOT SUPPLIED BY REQUESTER
Explanation: The PSID column does not contain a value.
User response: This is probably an internal error. Contact BMC Customer Support.
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<th>Code</th>
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<th>Explanation</th>
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<tr>
<td>BMC26702E</td>
<td>LOG RANGE FOR GROUP <strong>groupName</strong> IS INVALID -- OUTPUT SEQUENCE NUMBER NOT SUPPLIED BY REQUESTER</td>
<td>The OSEQNO column does not contain a value.</td>
<td>This is probably an internal error. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC26703E</td>
<td>LOG RANGE FOR GROUP <strong>groupName</strong> IS INVALID -- BEGINNING RBA NOT SUPPLIED BY REQUESTER</td>
<td>The BEGRBA column does not contain a value.</td>
<td>This is probably an internal error. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC26704E</td>
<td>LOG RANGE FOR GROUP <strong>groupName</strong> IS INVALID -- ENDING RBA NOT SUPPLIED BY REQUESTER</td>
<td>The ENDRBA column does not contain a value.</td>
<td>This is probably an internal error. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC26705E</td>
<td>LOG RANGE FOR GROUP <strong>groupName</strong> IS INVALID -- FIRST RBA NOT SUPPLIED BY REQUESTER</td>
<td>The FIRSTRBA column does not contain a value.</td>
<td>This is probably an internal error. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC26706E</td>
<td>LOG RANGE FOR GROUP <strong>groupName</strong> IS INVALID -- LAST RBA NOT SUPPLIED BY REQUESTER</td>
<td>The LASTRBA column does not contain a value.</td>
<td>This is probably an internal error. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC26707E</td>
<td>LOG RANGE FOR GROUP <strong>groupName</strong> IS INVALID -- NUMBER OF RECORDS NOT SUPPLIED BY REQUESTER</td>
<td>The NUMRECORDS column does not contain a value.</td>
<td>This is probably an internal error. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC26708E</td>
<td>LOG RANGE FOR GROUP <strong>groupName</strong> IS INVALID -- NUMBER OF BYTES NOT SUPPLIED BY REQUESTER</td>
<td>The NUMBYTES column does not contain a value.</td>
<td>This is probably an internal error. Contact BMC Customer Support.</td>
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<tr>
<td>Message Code</td>
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<tr>
<td>BMC26709E</td>
<td>LOG RANGE FOR GROUP <em>groupName</em> IS INVALID -- NUMBER OF BYTES WRITTEN NOT SUPPLIED BY REQUESTER</td>
<td>The NUMBYTESWRITTEN column does not contain a value.</td>
<td>This is probably an internal error. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC26710S</td>
<td>LOG RANGE FOR GROUP <em>groupName</em> IS INVALID -- BEGINNING RBA OF <em>logPoint</em> EXCEEDS ENDING RBA OF <em>logPoint</em></td>
<td>An inconsistency between log point values was detected. The beginning log point cannot logically exceed the ending log point.</td>
<td>This is probably an internal error. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC26711S</td>
<td>LOG RANGE FOR GROUP <em>groupName</em> IS INVALID -- FIRST RBA OF <em>logPoint</em> EXCEEDS LAST RBA OF <em>logPoint</em></td>
<td>An inconsistency between log point values was detected. The first log point cannot logically exceed the last log point.</td>
<td>This is probably an internal error. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC26712S</td>
<td>LOG RANGE FOR GROUP <em>groupName</em> IS INVALID -- FIRST RBA OF <em>logPoint</em> IS LESS THAN BEGINNING RBA OF <em>logPoint</em></td>
<td>An inconsistency between log point values was detected. The first log point used for group name cannot be less than the log point of the first log record considered for the R+/CHANGE ACCUM job.</td>
<td>This is probably an internal error. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC26713S</td>
<td>LOG RANGE FOR GROUP <em>groupName</em> IS INVALID -- LAST RBA OF <em>logPoint</em> EXCEEDS ENDING RBA OF <em>logPoint</em></td>
<td>An inconsistency between log point values was detected. The last log point used for the group name cannot be greater than the log point of the last log record considered for the R+/CHANGE ACCUM job.</td>
<td>This is probably an internal error. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC26714W</td>
<td>DELETION OF GROUP <em>groupName</em> FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR</td>
<td>The specified group was not deleted. Accompanying messages explain why the group was not deleted.</td>
<td>Refer to the accompanying messages to determine an appropriate response.</td>
</tr>
</tbody>
</table>
**BMC26715W** UPDATE OF GROUP *groupName* FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

*Explanation:* The specified group was not updated. Accompanying messages explain why the group was not updated.

*User response:* Refer to the accompanying messages to determine an appropriate response.

**BMC26716W** INSERTION OF GROUP *groupName* FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

*Explanation:* The specified group was not added to the repository. Accompanying messages explain why the group was not added.

*User response:* Refer to the accompanying messages to determine an appropriate response.

**BMC26717E** ERROR OCCURRED ATTEMPTING TO CREATE DEFAULT GROUP *groupName* -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

*Explanation:* The new default group you specified was not added to the repository. Accompanying messages explain why the new default group was not added.

*User response:* Refer to the accompanying messages to determine an appropriate response.

**BMC26718W** DELETION OF DEFINITION FOR GROUP *groupName* FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

*Explanation:* The definition for the specified group was not deleted. Accompanying messages explain why the definition was not deleted.

*User response:* Refer to the accompanying messages to determine an appropriate response.

**BMC26719W** UPDATE OF DEFINITION FOR GROUP *groupName* FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

*Explanation:* The definition for the specified group was not updated. Accompanying messages explain why the definition was not updated.

*User response:* Refer to the accompanying messages to determine an appropriate response.

**BMC26720W** INSERTION OF DEFINITION FOR GROUP *groupName* FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

*Explanation:* The definition for the specified group was not added to the repository. Accompanying messages explain why the definition was not added.

*User response:* Refer to the accompanying messages to determine an appropriate response.
DELETION OF FILE TEMPLATE FOR GROUP *groupName* FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

*Explanation:* The file template for the specified group was not deleted. Accompanying messages explain why the file template was not deleted.

*User response:* Refer to the accompanying messages to determine an appropriate response.

UPDATE OF FILE TEMPLATE FOR GROUP *groupName* FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

*Explanation:* The file template for the specified group was not updated. Accompanying messages explain why the file template was not updated.

*User response:* Refer to the accompanying messages to determine an appropriate response.

INSERTION OF FILE TEMPLATE FOR GROUP *groupName* FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

*Explanation:* The file template for the specified group was not added to the repository. Accompanying messages explain why the file template was not added.

*User response:* Refer to the accompanying messages to determine an appropriate response.

UPDATE OF FILE SET FOR GROUP *groupName* FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

*Explanation:* The file set for the specified group was not updated. Accompanying messages explain why the file set was not updated.

*User response:* Refer to the accompanying messages to determine an appropriate response.

INSERTION OF FILE SET FOR GROUP *groupName* FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

*Explanation:* The file set for the specified group was not added to the repository. Accompanying messages explain why the file set was not added.

*User response:* Refer to the accompanying messages to determine an appropriate response.

DELETION OF CA FILE FOR GROUP *groupName* FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

*Explanation:* The change accumulation file for the specified group was not deleted. Accompanying messages explain why the change accumulation file was not added.

*User response:* Refer to the accompanying messages to determine an appropriate response.
BMC26728W UPDATE OF CA FILE FOR GROUP *groupName* FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

Explanation: The change accumulation file for the specified group was not updated. Accompanying messages explain why the change accumulation file was not updated.

User response: Refer to the accompanying messages to determine an appropriate response.

BMC26729W INSERTION OF CA FILE FOR GROUP *groupName* FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

Explanation: The change accumulation file for the specified group was not added to the repository. Accompanying messages explain why the change accumulation file was not added.

User response: Refer to the accompanying messages to determine an appropriate response.

BMC26730W DELETION OF LOGRANGE FOR GROUP *groupName* FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

Explanation: The log range for the specified group was not deleted. Accompanying messages explain why the log range was not deleted.

User response: Refer to the accompanying messages to determine an appropriate response.

BMC26731W UPDATE OF LOGRANGE FOR GROUP *groupName* FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

Explanation: The log range for the specified group was not updated. Accompanying messages explain why the log range was not updated.

User response: Refer to the accompanying messages to determine an appropriate response.

BMC26732W INSERTION OF LOGRANGE FOR GROUP *groupName* FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

Explanation: The log range for the specified group was not added to the repository. Accompanying messages explain why the log range was not added.

User response: Refer to the accompanying messages to determine an appropriate response.

BMC26733W FILE SET ENTRY FOR GROUP *groupName* AND FILE COUNT *count* ALREADY EXISTS IN REPOSITORY

Explanation: The file set row could not be added to the repository for the specified group and file count because it already exists. Normally, a file count is generated based on information found in the repository—it is not explicitly specified. The file set is not registered in the repository.

User response: This is probably an internal error. Contact BMC Customer Support.
**BMC26734E**  
SQL ERROR OCCURRED DURING RETRIEVAL OF CAFILECOUNT count FOR GROUP groupName -- MESSAGES FOLLOW:

*Explanation:* An explicit file count was specified when trying to add a file set for the specified group. An SQL error occurred while determining whether the file set previously existed. The file set is not registered in the repository. This message is followed by messages BMC26601 and BMC26765.

*User response:* See messages BMC26601 and BMC26765 to determine an appropriate response.

**BMC26735E**  
SQL ERROR OCCURRED DURING RETRIEVAL OF MAX(CAFILECOUNT) FOR GROUP groupName -- MESSAGES FOLLOW:

*Explanation:* The file count was not specified when trying to add a file set to the repository for the specified group. An SQL error occurred while trying to find the next available file count in the repository. This message is followed by messages BMC26601 and BMC26765.

*User response:* See messages BMC26601 and BMC26765 to determine an appropriate response.

**BMC26736E**  
NO AVAILABLE EMPTY SLOTS FOUND TO INSERT FILE SET FOR GROUP groupName -- SEARCHED TO fileCount

*Explanation:* An attempt was made to add a file set without a file count to the repository. A file count could not be generated because all file counts for the specified group are currently in use. The file set was not registered.

*User response:* This is probably an internal error. Contact BMC Customer Support.

**BMC26737E**  
SQL ERROR OCCURRED WHILE SEARCHING FOR NEXT CAFILECOUNT TO USE FOR FILE SET

*Explanation:* An SQL error occurred while trying to add a file set without a file count to the repository. An attempt was made to generate a file count for the specified group. The file set was not registered. This message is followed by messages BMC26601 and BMC26765.

*User response:* See messages BMC26601 and BMC26765 to determine an appropriate response.

**BMC26738I**  
CA FILE COUNT WRAPPED FOR FILE SET INSERTION IN GROUP groupName -- WILL FIND FIRST UNUSED SLOT

*Explanation:* An attempt is being made to add a file set without a file count to the repository. The highest available file count for the specified group is being used, so the first available slot will be used. Although this does not affect the validity of the job run, it does impact performance because a sequential scan through the file set registration is required for this operation.

*User response:* No action is required. However, you may want to run MODIFY ACCUM to delete unusable file copies from the repository.
BMC26739E  SQL ERROR DURING INSERTION OF FILE SET WITH FILE COUNT count
FOR GROUP groupName -- SQL INFO FOLLOWS:

Explanation:  An SQL error occurred while trying to add a file set to the
repository. The file set was not registered. This message is followed by
messages BMC26601 and BMC26765.

User response:  See messages BMC26601 and BMC26765 to determine an
appropriate response.

BMC26740E  FILE TEMPLATE FOR GROUP groupName IS INVALID -- COPY NUMBER
WAS NOT SUPPLIED BY REQUESTER

Explanation:  A file template could not be added to the repository because a file
copy number was not specified.

User response:  This is an internal error. Contact BMC Customer Support.

BMC26741W  ERROR OCCURRED WHILE ATTEMPTING TO RETRIEVE THE VERSION
NUMBER OF THE REPOSITORY, SQL MESSAGE(S) FOLLOW:

Explanation:  An SQL error occurred while trying to obtain information from
the repository. This message is followed by messages BMC26601 and
BMC26765.

User response:  See messages BMC26601 and BMC26765 to determine an
appropriate response.

BMC26742W  FILE SET NOT FOUND FOR GROUP groupName WITH FILE COUNT OF
count

Explanation:  The file set cannot be deleted because it does not exist.

User response:  No action is required.

BMC26743E  SQL ERROR ATTEMPTING TO DELETE RUN FOR GROUP groupName
WITH A FILE COUNT OF count:

Explanation:  An SQL error occurred while trying to delete the file set for the
specified group. This delete operation is being performed because the change
accumulation file is being deleted. When this error occurs all deletions
requested for the change accumulation file, file copies, and log ranges for the
specified group are backed out. This message is followed by messages
BMC26601 and BMC26765.

User response:  See messages BMC26601 and BMC26765 to determine an
appropriate response.

BMC26744E  SQL ERROR DURING DELETION OF CA FILES FOR GROUP groupName
WITH A FILE COUNT OF count:

Explanation:  An SQL error occurred while trying to delete the change
accumulation files for the specified group. This delete operation is being
performed because the change accumulation file is being deleted. When this
error occurs all deletions requested for the change accumulation file, file copies,
and log ranges for the specified group are backed out. This message is followed by messages BMC26601 and BMC26765.

*User response:* See messages BMC26601 and BMC26765 to determine an appropriate response.

**BMC26745E**

**A GROUP NAME IS REQUIRED IN ORDER TO DELETE A FILE SET**

*Explanation:* A file set cannot be deleted when the group name is not specified.

*User response:* This is probably an internal error. Contact BMC Customer Support.

**BMC26746W**

**TEMPLATE COPY NUMBER copyNumber NOT FOUND FOR GROUP groupName**

*Explanation:* The file template for the specified group cannot be updated because the file template does not exist in the repository.

*User response:* No action is required.

**BMC26747E**

**SQL ERROR ATTEMPTING TO UPDATE FILE TEMPLATE COPY NUMBER copyNumber FOR GROUP groupName**

*Explanation:* An SQL error occurred while trying to update the file template for the specified group. This message is followed by messages BMC26601 and BMC26765.

*User response:* See messages BMC26601 and BMC26765 to determine an appropriate response.

**BMC26748E**

**SQL ERROR ATTEMPTING TO INSERT CA FILE FOR GROUP groupName FILE COUNT count COPY NUMBER copyNumber**

*Explanation:* An SQL error occurred while trying to add the specified change accumulation file to the repository. This message is followed by messages BMC26601 and BMC26765.

*User response:* See messages BMC26601 and BMC26765 to determine an appropriate response.

**BMC26749E**

**SQL ERROR ATTEMPTING TO UPDATE CA FILE FOR GROUP groupName FILE COUNT count COPY NUMBER copyNumber**

*Explanation:* An SQL error occurred while trying to update the specified change accumulation file. This message is followed by messages BMC26601 and BMC26765.

*User response:* See messages BMC26601 and BMC26765 to determine an appropriate response.
BMC26750W  THE CA FILE COULD NOT BE FOUND FOR GROUP *groupName* FILE COUNT *count* COPY NUMBER *copyNumber*

Explanation:  The specified change accumulation file cannot be deleted because it does not exist in the repository.

User response:  No action is required.

BMC26751E  SQL ERROR ATTEMPTING TO DELETE CA FILE FOR GROUP *groupName* FILE COUNT *count* COPY NUMBER *copyNumber*

Explanation:  An SQL error occurred while trying to delete the specified change accumulation file. This message is followed by messages BMC26601 and BMC26765.

User response:  See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26752E  GROUP NAME IS REQUIRED TO DELETE A FILE COPY

Explanation:  The change accumulation file copy cannot be deleted when the group name is not specified.

User response:  This is an internal error. Contact BMC Customer Support.

BMC26753E  A SPECIFIC CA FILE COUNT IS REQUIRED TO DELETE A FILE COPY

Explanation:  The change accumulation file copy was not deleted because a file count was not specified.

User response:  This is an internal error. Contact BMC Customer Support.

BMC26754E  A SPECIFIC CA COPY NUMBER IS REQUIRED TO DELETE A FILE COPY

Explanation:  The change accumulation file copy was not deleted because a copy number was not specified.

User response:  This is an internal error. Contact BMC Customer Support.

BMC26755E  A GROUP NAME IS REQUIRED TO DELETE A SPECIFIC LOG RANGE OCCURRENCE

Explanation:  The log range cannot be deleted because the group name was not specified.

User response:  This is an internal error. Contact BMC Customer Support.

BMC26756E  A CA FILE COUNT IS REQUIRED TO DELETE A SPECIFIC LOG RANGE OCCURRENCE

Explanation:  The log range cannot be deleted because a file count was not specified.

User response:  This is an internal error. Contact BMC Customer Support.
BMC26757E A DATABASE NAME IS REQUIRED TO DELETE A SPECIFIC LOG RANGE OCCURRENCE

Explanation: The log range cannot be deleted because a database name was not specified.

User response: This is an internal error. Contact BMC Customer Support.

BMC26758E A TABLE SPACE NAME IS REQUIRED TO DELETE A SPECIFIC LOG RANGE OCCURRENCE

Explanation: The log range cannot be deleted because a table space name was not specified.

User response: This is an internal error. Contact BMC Customer Support.

BMC26759E A DATA SET NUMBER IS REQUIRED TO DELETE A SPECIFIC LOG RANGE OCCURRENCE

Explanation: The log range cannot be deleted because a data set number was not specified.

User response: This is an internal error. Contact BMC Customer Support.

BMC26761E SQL ERROR DELETING LOG RANGE FOR GROUP groupName, FILE COUNT count, DBNAME databaseName, TSNAME tableSpaceName AND DSNUM dsNum:

Explanation: An SQL error occurred while trying to delete the specified log range. This message is followed by messages BMC26601 and BMC26765.

User response: See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26762E SQL ERROR INSERTING LOG RANGE FOR GROUP groupName, FILE COUNT count, DBNAME databaseName, TSNAME tableSpaceName AND DSNUM dsNum:

Explanation: An SQL error occurred while trying to add the specified log range. The log range is not registered in the repository. This message is followed by messages BMC26601 and BMC26765.

User response: See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26763E CADEFINITION FOR GROUP groupName, DBNAME databaseName, TSNAME tableSpaceName, LODSNUM loDsNum, HIDSNUM hiDsNum ALREADY EXISTS

Explanation: The specified group definition cannot be added to the repository because it already exists.

User response: No action is required.
BMC26764W  CA FILE FOR GROUP *groupName*, FILE COUNT *count*, COPY NUMBER *copyNumber* NOT FOUND FOR UPDATE

Explanation: The specified change accumulation file cannot be updated because it does not exist in the repository.

User response: No action is required.

BMC26765I  text

Explanation: The text displayed in the message is generated by DB2 SQL.

User response: Review this message and any previous messages to determine an appropriate response. If these messages do not provide sufficient information to resolve the problem, contact BMC Customer Support.

BMC26766I  ROLLBACK OF LOGICAL UNIT OF WORK SUCCESSFULLY COMPLETED

Explanation: This message is for information only. Refer to the accompanying messages to determine why this message was generated.

User response: No action is required.

BMC26767E  ROLLBACK OF LOGICAL UNIT OF WORK FAILED -- MESSAGES FOLLOW:

Explanation: A request to roll back a logical unit of work in the repository failed. This message is followed by messages BMC26601 and BMC26765.

User response: See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26768E  COMMIT OF LOGICAL UNIT OF WORK FAILED -- MESSAGES FOLLOW:

Explanation: A request to commit a logical unit of work in the repository failed. This message is followed by messages BMC26601 and BMC26765.

User response: See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26769E  SQL ERROR OCCURRED DURING DELETION OF LOG RANGE FOR GROUP *groupName* WITH FILE COUNT *fileCount*

Explanation: An SQL error occurred while trying to delete the specified log range. This delete operation is being performed because the change accumulation file is being deleted. When this error occurs all deletions requested for the change accumulation file, file copies, and log ranges for the specified group are backed out. This message is followed by messages BMC26601 and BMC26765.

User response: See messages BMC26601 and BMC26765 to determine an appropriate response.

BMC26770E  THE CA FILE MODEL DATA SET NAME IS MISSING OR ITS LAST NODE EVALUATES TO NULL

Explanation: The model data set name specified in the file template is either empty or its last node has a null value. A node can be a null value when a
symbolic variable does not contain valid data set name characters or double periods are specified at the end of the model data set name. For example, the following model data set name is invalid:


*User response:* Verify that a model data set name was specified for the file template. If a symbolic variable is specified at the end of the model data set name, verify it is not followed by double periods.

**BMC26771E** THE CHANGE ACCUMULATION FILE DSN CONTAINS AN EMPTY NODE, DETECTED AT OFFSET + offset (0 RELATIVE)

*Explanation:* An empty node was specified within the body of the model data set name as indicated by the offset. This can also occur when a symbolic variable yields a null value because it does not contain valid characters for a data set name.

*User response:* Verify that double periods do not follow a literal character. If a symbolic variable yields a null value because of invalid data set name characters, remove it from the specified model data set name.

**BMC26772E** CA FILE MODEL DSN TRUNCATED AT OFFSET + offset (0 RELATIVE) BECAUSE NODE EXCEEDS 8 CHARACTERS

*Explanation:* A literal character at the indicated offset cannot be included in the generated data set name because the node already contains at least eight characters. A node cannot contain more than eight characters. This error can occur when a symbolic variable contains more characters than expected, or when you forget to use double periods to identify the end of a symbolic variable and the start of a new node. The following model data set name is invalid because &DATE is terminated by a single period: HLQ.DT&DATE.TM&TIME

The period indicates the end of the symbolic variable but not the end of the node. The following invalid data set name would be generated:

HLQ.DT941013TM094503

To correct this problem, the &DATE must be followed by two periods.

*User response:* Correct the model data set name using the R+/CHANGE ACCUM ISPF interface.

**BMC26773E** THE CA FILE MODEL DSN CONTAINS AN INVALID SYMBOL (symbol) AT OFFSET + offset (0 RELATIVE)

*Explanation:* The symbolic variable indicated in the message is not valid. Valid symbolic variables are:

- &USERID (&UID)
User response: Correct the model data set name using the R+/CHANGE ACCUM ISPF interface.

BMC26774E THE SYMBOL (symbol) CANNOT BEGIN A DATA SET NODE

Explanation: The symbolic variable indicated in the message cannot begin a node because its value begins with a number. MVS data set names cannot begin a node with a number.

User response: Precede the symbolic variable with a non-numeric character, such as D&DATE..T&TIME.

BMC26775W THE SYMBOL (symbol) AT OFFSET + offset IN THE MODEL FILE NAME CAUSED NODE TO EXCEED 8 CHARACTERS

Explanation: A symbolic variable is specified at the indicated offset that cannot fit in the node because it would exceed eight characters. The expanded form of the model data set name is invalid.

User response: For character-based symbolic variables, consider placing the symbolic variable in its own node. For numeric symbolic variables (such as &DATE and &TIME), shorten the literal string preceding the symbolic variable. For example, DATE&DATE is invalid because it generates DATE101494, which is more than eight characters. However, D&DATE does generate a valid data set name node (D101494).

BMC26776W THE SYMBOL (symbol) EVALUATED TO (value) -- THE DSNAME NODE AT OFFSET + offset WILL BE TRUNCATED

Explanation: The specified symbolic variable generates a node that exceeds eight characters. The value of the symbolic variable is truncated to allow a valid
data set name to be generated for the change accumulation file. This message is only a warning.

User response: Because the value of the symbolic variable was truncated, you may not be achieving the desired result. Consider changing the model data set name so the value of the node is not truncated.

**BMC26777E**

**CA DSN COULD NOT BE GENERATED BECAUSE THE NEXT FILE COUNT FOR GROUP **

**groupName** **COULD NOT BE DETERMINED**

Explanation: An error occurred while trying to determine the next available file count for the specified group. The value of the &CAFILE symbolic variable used in the model data set name cannot be resolved. The file name is not generated. Additional messages accompany this message.

User response: Refer to the accompanying messages to determine an appropriate response. If necessary, contact BMC Customer Support.

**BMC26778E**

**THE SYMBOL (symbol) EVALUATED TO (value) AND CAUSED AN OVERFLOW CONDITION IN THE GENERATED CA DSNAMES**

Explanation: The specified symbolic variable generates a node that exceeds eight characters. Because the full value of the symbolic variable is required, the model data set name is not generated.

User response: If the value of the symbolic variable is greater than or equal to eight characters, the symbolic variable must be specified as its own node. Values greater than eight characters, such as group names, are valid when they are truncated if the symbolic variable represents a full node. Change the model data set name so the symbolic variable is wholly contained within its own node.

**BMC26779E**

**THE TEMPLATE MODEL WAS USED ONLY TO OFFSET + offset WHEN A FULL 44 CHARACTER FILE NAME WAS GENERATED**

Explanation: The maximum length of an MVS data set name is 44 characters. The model data set name pattern generated an MVS data set name exceeding 44 characters. The data set name is not usable.

User response: Specify a shorter model data set name.

**BMC26780E**

**FILE NAME GENERATION ERROR FOR GROUP **

**groupName** **

Explanation: A severe error occurred while attempting to generate a data set name for the change accumulation file. The generated name cannot be used. Additional messages accompany this message.

User response: Review the accompanying messages to determine why this error occurred.
BMC26781W  NO MATCHES WERE FOUND IN THE REPOSITORY FOR GROUP NAME
groupName

Explanation: The change accumulation group or groups you specified cannot be found in the repository.

User response: If you specified a group name using wildcards, this message is issued as a warning. If you specified a group name explicitly, the group was not found and this message is issued as an error. Correct the group name.

BMC26782E  THE CA FILE GDG NAME CONTAINS AN EMPTY NODE AT OFFSET + offset
(0 RELATIVE)

Explanation: The model data set name specified for the file template contains a GDG name with an empty node (for example, BMCTJP.TEST..GDG(+1)).

User response: Correct the model data set name specified for the file template.

BMC26783E  CA FILE MODEL DSN CANNOT CONTAIN SYMBOLIC VARIABLES WHEN
GDG NAME SPECIFIED

Explanation: A relative GDG number was specified in the model data set name with at least one symbolic variable (for example, BMCTJP.&GROUP(+1)).

User response: Symbolic variables cannot be specified when a GDG is being used. Either remove the symbolic variable from the model data set name or delete the reference to a relative GDG number.

BMC26784E  CA FILE GDG NAME CONTAINS A NODE WITH MORE THAN 8 CHARACTERS AT OFFSET + offset (0 RELATIVE)

Explanation: MVS data set names cannot have nodes that exceed eight characters.

User response: Delete any extra characters or add another period within the node that exceeds eight characters.

BMC26785E  CA FILE NAME BEGINS A DSNAME NODE WITH A NUMBER AT OFFSET + offset (0 RELATIVE)

Explanation: MVS data set names cannot contain a node that begins with a number.

User response: Change the node so it begins with a non-numeric character.

BMC26786E  CA FILE GDG NAME CONTAINS MORE THAN 35 CHARACTERS PRIOR TO RELATIVE GDG VALUE

Explanation: A base GDG name cannot exceed 35 characters. You specified more than 35 characters preceding the relative GDG number.

User response: Specify a shorter GDG name.
BMC26787E  INVALID CHARACTER (characterValue) AT OFFSET + offset IN THE CAFILE NAME

Explanation: The character specified in the message is not valid in a MVS data set name. Alphanumeric and national characters are allowed, as well as periods (.) and the characters allowed with GDGs.

User response: Change the character.

BMC26788E  CA FILE GDG NAME DOES NOT SPECIFY A ‘+’ SIGN IMMEDIATELY FOLLOWING LEFT PARENTHESIS

Explanation: The relative GDG number is specified in an invalid format. The correct format is GDG.NAME(+ n), where GDG.NAME is the base name and n is 1, 2, 3, or 4.

User response: Correct the model data set name for the file template.

BMC26789E  CA FILE GDG RELATIVE GENERATION NUMBER (relativeGenerationNumber) IS INVALID -- MUST BE BETWEEN 1 AND 4

Explanation: The relative GDG number is specified in an invalid format or with an invalid value. The correct format is GDG.NAME(+ n), where GDG.NAME is the base name and n is 1, 2, 3, or 4.

User response: Correct the model data set name for the file template.

BMC26790E  CA FILE GDG NAME DOES NOT SPECIFY A ‘)’ IMMEDIATELY FOLLOWING RELATIVE GENERATION NUMBER

Explanation: The relative GDG number is specified in an invalid format. The correct format is GDG.NAME(+ n), where GDG.NAME is the base name and n is 1, 2, 3, or 4.

User response: Correct the model data set name for the file template.

BMC26791E  CA FILE GDG NAME CONTAINS NON-BLANK CHARACTERS FOLLOWING RELATIVE GENERATION SPECIFICATION

Explanation: Extraneous characters followed the right parenthesis of the relative GDG number.

User response: Delete the extraneous characters.

BMC26792E  FILE TEMPLATE FOR GROUP groupName IS INVALID -- DEVICE TYPE NOT SPECIFIED (INTERNAL ERROR)

Explanation: The device type of the unit for the file template was not specified by the API's caller.

User response: This is an internal error. Contact BMC Customer Support.

BMC26793E  FILE TEMPLATE FOR GROUP groupName IS INVALID -- DEVICE TYPE (deviceTypeValue) NOT VALID (INTERNAL ERROR)

Explanation: An incorrect device type was specified by the API's caller.

User response: This is an internal error. Contact BMC Customer Support.
BMC26794E  FILE TEMPLATE FOR GROUP *groupName* IS INVALID -- ALLOCATION UNIT IS NOT VALID FOR TAPE ALLOCATIONS

Explanation: Based on values specified in DOPTS, the unit name specified for the file template is a tape device. Allocation values are not allowed for tape devices.

User response: If you want to specify a tape device, remove the allocation unit from the file template. Otherwise, verify the unit name you specified is actually a tape device. If it is not a tape device, modify your DOPTS options.

BMC26795E  FILE TEMPLATE FOR GROUP *groupName* IS INVALID -- RELEASE PARAMETER IS NOT VALID FOR TAPE ALLOCATIONS

Explanation: Based on values specified in DOPTS, the unit name specified for the file template is a tape device. The release parameter is not allowed for tape devices.

User response: If you want to specify a tape device, remove the release parameter from the file template. Otherwise, verify the unit name you specified is actually a tape device. If it is not a tape device, modify your DOPTS options.

BMC26796E  FILE TEMPLATE FOR GROUP *groupName* IS INVALID -- PRIMARY SPACE IS NOT VALID FOR TAPE ALLOCATIONS

Explanation: Based on values specified in DOPTS, the unit name specified for the file template is a tape device. A primary space quantity is not allowed for tape devices.

User response: If you want to specify a tape device, remove the primary space allocation from the file template. Otherwise, verify the unit name you specified is actually a tape device. If it is not a tape device, modify your DOPTS options.

BMC26797E  FILE TEMPLATE FOR GROUP *groupName* IS INVALID -- SECONDARY SPACE IS NOT VALID FOR TAPE ALLOCATIONS

Explanation: Based on values specified in DOPTS, the unit name specified for the file template is a tape device. A secondary space quantity is not allowed for tape devices.

User response: If you want to specify a tape device, remove the secondary space allocation from the file template. Otherwise, verify the unit name you specified is actually a tape device. If it is not a tape device, modify your DOPTS options.

BMC26798E  FILE TEMPLATE FOR GROUP *groupName* IS INVALID -- ALLOCATION UNIT IS REQUIRED FOR DASD ALLOCATIONS

Explanation: Based on values specified in DOPTS, the unit name specified for the file template is a DASD device. An allocation unit is required for DASD allocations.

User response: If you want to specify a DASD device, add the allocation unit to the file template. Otherwise, verify the unit name you specified is actually a DASD device. If it is not a DASD device, modify your DOPTS options.
FILE TEMPLATE FOR GROUP *groupName* IS INVALID -- PRIMARY SPACE VALUE IS REQUIRED FOR DASD ALLOCATIONS

Explanation: Based on values specified in DOPTS, the unit name specified for the file template is a DASD device. A primary space quantity is required for DASD allocations.

User response: If you want to specify a DASD device, add the primary space quantity to the file template. Otherwise, verify the unit name you specified is actually a DASD device. If it is not a DASD device, modify your DOPTS parameter.

Messages BMC26800 through BMC26899

For the R+/CHANGE ACCUM for DB2 product, this topic explains each message in the designated range.

BMC26800E  CA FILE MODEL DATA SET NAME CONTAINS AN IMBEDDED BLANK AT OFFSET + *offset*

Explanation: An imbedded blank was found in the model data set name for the file template.

User response: Remove the imbedded blank.

BMC26801E  SYMBOL (*symbol*) AT OFFSET + *offset* IN CA FILE MODEL DATA SET NAME CAUSES NODE TO EXCEED 8 CHARACTERS

Explanation: If the symbolic variable assumes its minimum number of characters, the node will exceed eight characters at runtime. To prevent this from occurring at runtime the model data set name must be changed.

User response: Change the model data set name either by adding an extra node or removing extraneous preceding characters so the symbolic variable generates a value that fits the node.

BMC26802W  SYMBOL (*symbol*) AT OFFSET + *offset* IN CA FILE DATA SET NAME MAY GENERATE A NODE OVERFLOW CONDITION AT RUNTIME

Explanation: If the symbolic variable assumes its maximum number of characters, the node will be truncated at runtime.

User response: Verify whether the symbolic variable will cause the node to truncate at runtime. If it will, modify the model data set name you specified.

BMC26803E  THE MODEL CA FILE DATA SET NAME WOULD GENERATE A MINIMUM OF *count* CHARACTERS AT RUNTIME

Explanation: Based on the number of characters you specified and the minimum number of characters each symbolic variable can assume, the model
data set name generated at runtime will exceed 44 characters. The model data set name you specified is not allowed.

User response: Specify a shorter model data set name.

**BMC26804W**

**THE MODEL CA FILE DATA SET NAME MAY GENERATE AS MANY AS count CHARACTERS AT RUNTIME**

Explanation: Based on the number of characters you specified and the maximum number of characters each symbolic variable can assume, the model data set name generated at runtime may exceed 44 characters. This message is only a warning. The model data set name is allowed.

User response: No action is required. However, you may want to verify that the generated model data set name will not cause problems at runtime.

**BMC26805W**

**THE MODEL CA FILE DOES NOT CONTAIN GROUP, CAFILE AND TYPE - NON-UNIQUE DSNAME PROBABLE AT RUNTIME**

Explanation: The model data set name does not specify the &CAGROUP, &CAFILE, and &TYPE symbolic variables. The model data set name you specified will probably not generate a unique data set name at runtime.

User response: BMC recommends that you add the &CAGROUP, &CAFILE, and &TYPE symbolic variables to the model data set name to guarantee that unique data set names are generated at runtime. Otherwise, specify some other combination of symbolic variables that will generate unique data set names.

**BMC26806W**

**THE MODEL CA FILE CONTAINS GROUP AND CAFILE BUT NOT TYPE - NON-UNIQUE DSNAME POSSIBLE AT RUNTIME**

Explanation: Using the &CAGROUP and &CAFILE symbolic variables in the model data set name does not guarantee that the data set names generated at runtime will be unique unless only one copy of the change accumulation file is specified for the group (for example, if you only create a local primary copy of the change accumulation file).

User response: BMC recommends that you add the &TYPE symbolic variable to the model data set name to guarantee that unique data set names are generated at runtime.

**BMC26807E**

**THE MODEL CA FILE MUST CONTAIN A RELATIVE GDG NUMBER OR AT LEAST ONE SYMBOLIC VARIABLE**

Explanation: The model data set name for the change accumulation file does not contain a relative generation number or any symbolic variables. Unique data set names cannot be generated at runtime.

User response: Change the model data set name to include either a relative generation number or at least one symbolic variable.

**BMC26808W**

**GENERATED TAPE DATA SET NAME EXCEEDS 17 CHARACTERS -- EXCESS CHARACTERS (count) WILL BE TRUNCATED ON TAPE LABEL**

Explanation: The data set name for an output tape data set can contain a maximum of 17 characters including periods before data set name truncation
occurs on the tape label. More than 17 characters are currently specified. Only the right-most 17 characters will be written to the tape header label.

User response: You may want to shorten the model data set name so the generated data set name is not more than 17 characters.

BMC26809W  MAXIMUM TAPE DATA SET NAME SIZE IS 17 CHARACTERS -- GENERATED NAME MAY BE UP TO \textit{count} CHARACTERS AT RUNTIME

Explanation: The data set name for an output tape data set can contain a maximum of 17 characters including periods before data set name truncation occurs on the tape label. If the model data set name you specified generates more than 17 characters at runtime, only the right-most 17 characters are written to the tape header label.

User response: The model data set name you specified contains symbolic variables. The length of the generated data set name cannot be determined until runtime. If the symbolic variables assume their maximum size, the generated data set name will contain more than 17 characters. You may want to shorten your model data set name.

BMC26810E  DEFINITION FOR GROUP \textit{groupName} IS INVALID -- DATA BASE \textit{databaseName} IS NOT SUPPORTED

Explanation: The database specified in the group definition cannot be used by R+/CHANGE ACCUM. Databases DSNDB01, DSNDB06, and DSNDB07 are not currently supported.

User response: Change the database name in the group definition.

BMC26811W  SYMBOL (\textit{symbol}) AT OFFSET + offset IN CA FILE DATA SET NAME MAY BE TRUNCATED AT RUNTIME

Explanation: The exact length of the value of the symbolic variable cannot be determined until runtime. When the symbolic variable is substituted with a value, the value may be truncated when the file name is generated at runtime. The node cannot exceed eight characters.

User response: Review the model data set name that is specified. If you believe that the value substituted for the symbolic variable will not be truncated at runtime, no action is required. Otherwise, modify the model data set name to allow the symbolic variable to be expanded without being truncated.

BMC26812E  THE MODEL DATA SET NAME FOR MODEL GROUPS MUST CONTAIN &GROUP, &TYPE AND &CAFILE SYMBOLICS

Explanation: When processing a generated default group, R+/CHANGE ACCUM must be able to generate a unique data set name at runtime. You must specify the symbolic variables &GROUP, &TYPE, and &CAFILE in the model data set name for the file template.

User response: Add &GROUP, &TYPE, and &CAFILE to the model data set name.
THE &GROUP SYMBOL IN THE MODEL DSNAME WILL BE TRUNCATED BECAUSE GROUP NAME CONTAINS MORE THAN 8 CHARACTERS

Explanation: The group name is more than eight characters. A data set node can contain a maximum of eight characters. The group name is truncated after the first eight characters.

User response: This message is for information only. No action is required. However, if you have another group name that begins with the same eight characters, ensure that the model data set names will generate unique file names for each group as in the following examples:

- &GROUP..&TYPE&CAFILE..GRP1.D&DATE..T&TIME
- &GROUP..&TYPE&CAFILE..GRP2.D&DATE..T&TIME

THE GROUP NAME IS ALL BLANKS

Explanation: No characters were specified for the group name.

User response: Specify a valid group name.

THE GROUP NAME 'groupName' CONTAINS AN INVALID CHARACTER. IT MUST CONTAIN ONLY ALPHANumerICS AND THESE SPECIAL CHARACTERS: 'characterValues'

Explanation: The group name contains invalid characters. Only alphanumeric characters and those displayed as 'characterValues' in the message text are allowed.

User response: Correct the group name.

DSN PATTERN = dataSetName

Explanation: This message accompanies other messages. It displays the data set name pattern you entered.

User response: See accompanying messages to determine the appropriate action.

GENERATED DSN = dataSetName

Explanation: This message accompanies other messages. It displays the name generated by R+/CHANGE ACCUM.

User response: See accompanying messages to determine the appropriate action.

FILE NAME GENERATION WARNING(S) ISSUED FOR GROUP groupName

Explanation: One or more warning messages have been issued based on editing performed on the model data set name. Since the messages were only warnings the model data set name is allowed.

User response: Review the warning messages to determine whether you must change the model data set name based on your requirements.
**BMC26819W**  
**EXPIRATION DATE MAY BE INVALID. THE YEAR SPECIFIED year IS GREATER THAN THE MAXIMUM ALLOWED VALUE OF maxYear**  
*Explanation:* You specified an expiration date that is larger than the maximum allowed in JCL.  
*User response:* Unless you have a product or user exit that recognizes the date as a “special” value, change the expiration date to a value less than the maximum displayed in the message text.

**BMC26820W**  
**EXPIRATION DATE MAY BE INVALID. THE EXPIRATION DATE SPECIFIED IS LESS THAN TODAY'S DATE**  
*Explanation:* You specified an expiration date that is less than today's date. Under normal circumstances this would make the change accumulation file eligible for deletion as soon as it is created.  
*User response:* Unless you have a product or user exit that recognizes the date as a “special” value, change the expiration date to a value that is greater than today’s date. Because the expiration date is a fixed value, consider using the retention period field instead of the expiration date. The retention period is relative based on the date each change accumulation file is created.

**BMC26821W**  
**EXPIRATION DATE MAY BE INVALID. THE JULIAN DAY SPECIFIED jday IS GREATER THAN THE MAXIMUM ALLOWED FOR YEAR year**  
*Explanation:* The Julian date specified in the message text is greater than the number of days in the year.  
*User response:* Unless you have a product or user exit that recognizes the date as a “special” value, change the Julian date to a value less than or equal to the number of days in the year.

**BMC26822E**  
**THE DATABASE NAME databaseName IS INVALID. THE FIRST CHARACTER MUST BE A LETTER OR WILDCARD (string)**  
*Explanation:* The database name must follow the rules specified by DB2.  
*User response:* Correct the database name.

**BMC26823E**  
**THE TABLESPACE NAME tableSpaceName IS INVALID. THE FIRST CHARACTER MUST BE A LETTER OR WILDCARD (string)**  
*Explanation:* The table space name must follow the rules specified by DB2.  
*User response:* Correct the table space name.

**BMC26824W**  
**THE VALUE SPECIFIED FOR LODSNUM, loDsNum, EXCEEDS THE MAXIMUM VALUE FOR DB2 string**  
*Explanation:* The value entered for LODSNUM exceeds the maximum number of partitions in a space for this release of DB2.  
*User response:* Enter a valid value for LODSNUM.
BMC26825W  THE VALUE SPECIFIED FOR HIDSNUM, hiDsNum, EXCEEDS THE MAXIMUM VALUE FOR DB2 string

Explanation: The value entered for HIDSNUM exceeds the maximum number of partitions in a space for this release of DB2.

User response: Enter a valid value for HIDSNUM.

Messages BMC26900 through BMC26999

For the R+/CHANGE ACCUM for DB2 product, this topic explains each message in the designated range.

BMC26987S  LOG RANGE LIST REQUESTED FOR GROUP groupName, DBID dbid AND PSID psid, DBNAME databaseName AND TSNAME tableSpaceName

Explanation: An invalid query was detected. This query does not qualify by group name, DBID, PSID, database name, and table space name concurrently.

User response: This is an internal error. Contact BMC Customer Support.

BMC26989I  AN AUTOMATIC COMMIT WAS PERFORMED FOR ACCESS ID (idNumber), SQL RC = sqlReturnCode

Explanation: This message appears only when the message level is set to 1 or a greater value. Unless a logical unit of work is defined by the requester, all SQL requests are automatically committed. The access ID and the return code are displayed for the commit performed.

User response: No action is required.

BMC26990I  REPOS ACCESS (ID # id) START AT time: method

Explanation: This message appears only when the message level is set to 1 or a greater value. Each repository access is assigned a unique ID number. The ID number, the time, and the calling method are displayed when the repository access request begins.

User response: No action is required.

BMC26991I  REPOS ACCESS (ID # id) ENDED AT time. ELAPSED SECS = seconds

Explanation: This message appears only when the message level is set to 1 or a greater value. The ID number, the time, and the number of elapsed seconds are displayed when a repository access request completes.

User response: No action is required.

BMC26994S  INTERNAL ERROR - THE REPOSITORY HAS NOT BEEN INSTANTIATED

Explanation: A repository request was received before a repository object was created or after a repository object was deleted.

User response: This is an internal error. Contact BMC Customer Support.
<table>
<thead>
<tr>
<th>Code</th>
<th>Message</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC26995S</td>
<td>THE EYECATCHER FOR THE REPOSITORY AT ADDRESS address IS INVALID</td>
<td>An eye catcher in one of the repository's control blocks was overlaid.</td>
<td>This is an internal error. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC26996E</td>
<td>AN ABORT FOR A LUW WAS REQUESTED, BUT A LUW HAD NOT BEEN STARTED</td>
<td>A logical unit of work is defined by a pair of begin and abort transactions. Either the begin transaction was not specified, or a commit transaction or abort transaction was specified more than once.</td>
<td>This is an internal error. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC26997E</td>
<td>A COMMIT FOR A LUW WAS REQUESTED, BUT A LUW HAD NOT BEEN STARTED</td>
<td>A logical unit of work is defined by a pair of begin and commit transactions. Either the begin or commit transaction was not specified, or a commit transaction or abort transaction was specified more than once.</td>
<td>This is an internal error. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC26998W</td>
<td>A LOGICAL UNIT OF WORK WAS NOT STARTED BECAUSE ONE IS ALREADY IN PROGRESS</td>
<td>A request was received while a transaction was still in progress. This is not a processing problem, but indicates a procedural problem in R+/CHANGE ACCUM.</td>
<td>This is an internal error. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC26999E</td>
<td>THE methodName METHOD IS NOT CURRENTLY SUPPORTED IN THE className CLASS</td>
<td>The method name is currently not supported in the repository.</td>
<td>This is an internal error. Contact BMC Customer Support.</td>
</tr>
</tbody>
</table>
Messages BMC30000 through BMC30299

This chapter includes messages for the COPY PLUS for DB2 product, and because COPY PLUS is a component of the Recovery Management for DB2 product, for Recovery Management as well.

Messages BMC30000 through BMC30099

For the COPY PLUS for DB2 product, this topic explains each message in the designated range.

**BMC30001I** UTILITY EXECUTION STARTING date time...

*Explanation:* This is the start message for COPY PLUS.

*User response:* No action is required. This message is for information only.

**BMC30002I** UTILITY ID = utilityID. DB2 SUBSYSTEM ID = ssid.

*Explanation:* This message confirms the utility ID and DB2 subsystem ID you have specified.

*User response:* No action is required. This message is for information only.

**BMC30003I** UTILITY WITH ID utilityID ALREADY EXISTS

*Explanation:* The utility ID you specified is already in use or awaiting restart.

*User response:* If you specified NEW as the restart parameter, COPY PLUS is informing you that it found an entry for the utility ID in the BMCUTIL table and will overlay this existing ID. If you did not specify a restart parameter and want to restart the job, specify the type of restart you require. Select another utility ID if necessary. See the product documentation for more information.

**BMC30004I** DB2 VERSION = versionNumber SITE TYPE = siteType MODE = mode [FALLBACK YES]

*Explanation:* The version of DB2 installed is given. The system site type is either LOCAL or RECOVERY. The DB2 mode (conversion mode, conversion...
mode fallback, enabling-new-function mode, enabling-new-function mode fallback, new-function mode) is also given. If applicable, FALLBACK YES will appear after MODE = mode.

**User response:** No action is required. This message is for information only.

**BMC30005I**

**UTILITY EXECUTION COMPLETE, RETURN CODE = returnCode**

*Explanation:* The execution of the utility is completed.

*User response:* If the return code is not zero, check earlier messages to determine the problem. If the return code is zero, no action is required.

**BMC30006I**

**UTILITY EXECUTION TERMINATING, RETURN CODE = returnCode**

*Explanation:* The utility terminated with an error.

*User response:* Check earlier messages to determine the problem. Correct the problem, then restart the utility.

**BMC30007I**

**SPECIFIED UTILITY WAS NOT TERMINATED**

*Explanation:* A COPY PLUS job specified termination of a utility ID, but it was not terminated because it could not be found in the BMCUTIL table.

*User response:* Check that the specified utility ID is valid, and then start the job again.

**BMC30008I**

**RESTART PARM = parameterValue**

*Explanation:* This message shows the value of the restart parameter specified in the COPY PLUS job currently executing.

*User response:* No action is required. This message is for information only.

**BMC30009I**

**RESTART PARM REQUIRED CONNECTION TO DB2**

*Explanation:* A restart parameter that required connection to DB2 (to look at the restart information in the BMCUTIL table) was issued during a COPY job step that contained a DSN1COPY-type copy.

*User response:* If you want to make a DSN1COPY-type copy without connecting to DB2, either do not specify a restart parameter or specify NEW for the restart parameter.

**BMC30010E**

**UTILITY WITH ID utilityID NOT FOUND IN BMCUTIL**

*Explanation:* The utility ID you specified with RESTART cannot be found.

*User response:* Verify that you specified the correct utility ID, then run the job again.

**BMC30012I**

**phaseName PHASE COMPLETE. ELAPSED TIME = hh:mm:ss**

*Explanation:* The named phase completed with the given elapsed time.
If you are performing group processing, BMC30012I GROUP TERMINATION PHASE COMPLETE. ELAPSED TIME = \text{hh:mm:ss} \text{ is issued at the start of the DONE phase. The elapsed time in this message is the time required to check for other utilities, restore space status, quiesce if required, and to set the group copy to DONE phase. This time does not include the time required to update page set headers and space maps for a RESETMOD YES copy, to catalog the output data sets, and to update BMC_BMCHIST for each space, partition, and data set.}

If you are not performing group processing, BMC30012I UTILTERM PHASE COMPLETE. ELAPSED TIME = \text{hh:mm:ss} \text{ is issued at the start of the DONE phase. The elapsed time is the time between the end of the COPY phase and the start of the DONE phase for a particular space, partition, and data set.}

\textit{User response:} No action is required. This message is for information only.

\textbf{BMC30013E} \textbf{UTILID utilityID EXISTS. UTILNAME IS NOT COPY}

\textit{Explanation:} COPY PLUS found a utility with the utility ID shown above in the BMCUTIL table, but the utility was not COPY PLUS. Therefore, COPY PLUS could not restart.

\textit{User response:} Select a different utility ID for your job. If you are trying to restart a job, display the BMCUTIL table to determine the correct utility ID.

\textbf{BMC30014I} \textbf{BYPASSING DB2 VERSION CHECKING}

\textit{Explanation:} DB2 version checking is being bypassed.

\textit{User response:} No action is required. This message is for information only.

\textbf{BMC30015I} \textbf{TERMINATING UTILID = utilityID}

\textit{Explanation:} The COPY PLUS terminated the utility \textit{utilityID} in response to the TERM or TERM/RESET parameter found in the EXEC statement.

\textit{User response:} No action is required. This message is for information only.

\textbf{BMC30016E} \textbf{DB2 VERSION NOT SUPPORTED}

\textit{Explanation:} COPY PLUS does not support the version of DB2 that you are running.

\textit{User response:} To obtain supported version information, contact BMC Customer Support.

\textbf{BMC30017E} \textbf{INVALID UTILITY PARM: parameterValue}

\textit{Explanation:} The parameter named is incorrectly specified.

\textit{User response:} Correct the parameter, then submit the utility job again.
**BMC30018E**  INVALID EXECUTION OPTIONS MODULE *optionsModuleName*

*Explanation:* The execution options module *optionsModuleName* specified as a utility parameter in the EXEC statement was not found.

*User response:* Check the spelling of the name of the options module or specify a valid options module. Then submit the utility job again.

**BMC30019E**  CAF ERROR RC = *returnCode*, REASON = *reasonCode*, PLAN = *planName*, SSID = *ssid*

*Explanation:* This message accompanies an earlier message to give more specific information on a DB2 Call Attachment Facility error. If the message indicates a CAF code F30021, you may have a mismatch between the DB2 release level of the subsystem and the DB2 library in your STEPLIB.

*User response:* Determine the cause of the problem and correct it. Then submit the utility job again. If necessary, refer to the appropriate IBM messages and codes manual for further explanation of the codes.

**BMC30020E**  *text*

*Explanation:* This message accompanies the previous message and provides the text for a CAF error.

*User response:* See message BMC30019.

**BMC30021E**  CANNOT CONNECT TO DB2

*Explanation:* The product cannot connect to the DB2 subsystem specified. See message BMC30019 for more information.

*User response:* Correct the problem, then submit the job again.

**BMC30024E**  TABLESPACE *databaseName.tableSpaceName* DOES NOT EXIST

*Explanation:* The table space you specified does not exist or you are not authorized to access table space information.

*User response:* Make sure you spelled the table space correctly and that you specified the correct DB2 subsystem ID.

**BMC30025E**  INDEX *creator.ixName* PART *partNumber* DOES NOT EXIST

*Explanation:* The index you specified does not exist or you are not authorized to access the index information.

*User response:* Make sure you spelled the index name correctly and that you specified the correct DB2 subsystem ID.

**BMC30032E**  ATTACH FOR *subtask* FAILED WITH RC = *returnCode*

*Explanation:* The ATTACH of the subtask failed with a return code value of *returnCode*.

*User response:* Contact BMC Customer Support.
**BMC30041E**  
*authorizationID DOES NOT HAVE SUFFICIENT PRIVILEGES TO EXECUTE COPY ON DATABASE databaseName*

*Explanation:* The specified authorization ID does not have sufficient privileges to execute COPY PLUS.

*User response:* See the product documentation for information on the privileges you need to run COPY PLUS.

**BMC30042E**  
*DSNTIAR RETURNED WITH RC = returnCode*

*Explanation:* An SQL error occurred and the DB2 DSNTIAR routine was invoked to output information from the SQLCA. However, DSNTIAR returned a nonzero return code.

*User response:* See message BMC30023 for the SQLCODE. If you cannot determine the error from this, contact BMC Customer Support.

**BMC30099E**  
*NOT APF AUTHORIZED*

*Explanation:* This message indicates that this product found itself unauthorized. The product must run from an APF-authorized library.

*User response:* Contact your system programming staff, if necessary, to have the product copied to an authorized library. See Chapter 2 for more information.

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**Messages BMC30100 through BMC30199**

For the COPY PLUS for DB2 product, this topic explains each message in the designated range.

**BMC30100E**  
*DUPLICATE option OPTION IS NOT ALLOWED*

*Explanation:* The indicated option can be specified only one time.

*User response:* Remove the second option statement from the SYSIN data set and submit the job again.

**BMC30101I**  
*text*

*Explanation:* This message accompanies the preceding and succeeding messages to provide additional information.

*User response:* No action is required. This message is for information only.

**BMC30102I**  
*SPACE databaseName.tableSpaceName dsNum WAS SKIPPED OR BYPASSED*

*Explanation:* This message is issued because COPY PLUS either excluded the space databaseName.tableSpaceName from the list of spaces to be copied because its exclusion was specified, or, if CHANGELIMIT or FULL AUTO is used and partitions are being copied, some partitions may not have enough changes to
warrant copying. In the second case, this message indicates that some partitions (dsNum), not the space itself, were bypassed. No return code is set. This message is issued only when the MSGLEVEL parameter value is greater than zero.

User response: No action is required. This message is for information only.

**BMC30103W**  
**TABLESPACE PATTERN RESULTED IN AN EMPTY LIST**  
*Explanation:* You specified a wildcard pattern with the TABLESPACE option but COPY PLUS found no matching table spaces. The return code = 4.

User response: No action is required. This message is for information only.

**BMC30104E**  
**PARAMETER parameterValue IS TOO LONG FOR OPTION option**  
*Explanation:* The parameter value you specified for the named option is too long. COPY PLUS displays only the first 60 characters followed by an ellipsis (...) for parameterValue.

User response: Change the value to the correct length and restart the job.

**BMC30105I**  
**PARAMETER parameterValue IS IGNORED FOR OPTION option**  
*Explanation:* You have specified an option (parameterValue) that is being ignored due to specifying the second option (option).

User response: No action is required. This message is for information only. The job continues.

**BMC30106I**  
**EXCLUDE PATTERNS RESULTED IN AN EMPTY LIST**  
*Explanation:* You specified a wildcard pattern with the EXCLUDE option but COPY PLUS found no matching table spaces. No return code is set.

User response: No action is required. This message is for information only.

**BMC30107I**  
**NO SPACES WERE EXCLUDED**  
*Explanation:* You specified the EXCLUDE option but COPY PLUS found no matches between the TABLESPACE list and the EXCLUDE list. No return code is set.

User response: No action is required. This message is for information only.

**BMC30108W**  
**ALL SPACES WERE EXCLUDED**  
*Explanation:* As a result of specifying the EXCLUDE option, all spaces were excluded from the copy process. The return code is set to 4.

User response: No action is required. This message is for information only.
BMC30110E  **option** OPTION HAS CHANGED, BUT IS NOT ALLOWED TO CHANGE ON RESTART

*Explanation:* Before restarting the utility, you changed an option that is not allowed to change.

*User response:* Change the option back to its original value, then restart the utility.

BMC30111E  **UNEXPECTED TOKEN** *token* **FOR OPTION** *option*

*Explanation:* You misspelled a parameter or specified invalid syntax for the utility command.

*User response:* Correct the error, then submit the job again.

BMC30112E  **TOKEN** *token* **IS NOT AN OPTION KEYWORD**

*Explanation:* You misspelled an option keyword or specified invalid syntax for the utility command.

*User response:* Correct the error, then submit the job again.

BMC30113E  **DUPPLICATE OUTPUT NAME, NAME =** *name*

*Explanation:* An output descriptor was found with the same name (*name*) as another output descriptor already found in the SYSIN data set.

*User response:* Change one of the names and any references to it in the SYSIN data set and submit the job again.

BMC30114E  **DSN VARIABLE NOT ALLOWED =** & *variable*

*Explanation:* A symbolic variable name (*variable*) that is not supported by COPY PLUS was found in a dynamic data set specification. See the product documentation for a list of valid variables.

*User response:* Correct the syntax and submit the job again.

BMC30115E  **REQUIRES A MATCHING** *copyDDN/recoveryDDN* **STATEMENT**

*Explanation:* A required COPYDDN or RECOVERYDDN statement was not found. A COPYDDN or RECOVERYDDN must precede COPYDSN, RECOVERYDSN, or DSNAME, as appropriate.

*User response:* Provide a preceding COPYDDN or RECOVERYDDN statement, as appropriate, when using COPYDSN, RECOVERYDSN, or DSNAME.

BMC30116E  **STARTMSG** **REQUIRES GROUP YES**

*Explanation:* The keyword STARTMSG was used without GROUP YES. STARTMSG is valid only with GROUP YES.

*User response:* Either code GROUP YES before STARTMSG or remove STARTMSG. See the product documentation for more information.
BMC30117E  STARTMSG REQUIRES BEGINNING/ENDING SINGLE QUOTE

Explanation: The text message after the keyword STARTMSG was not enclosed in single quotes. Single quotes are a requirement for this user-defined text.

User response: Enclose your text message in single quotes. See the product documentation for more information.

BMC30118E  UNEXPECTED EOD ON SYSIN

Explanation: COPY PLUS found the SYSIN data set empty.

User response: Check the input data set. Correct the problem and then submit the job again.

BMC30119W  OPTION optionValue IS A DUPLICATE AND ITS VALUE REPLACES THE PREVIOUS VALUE

Explanation: An option was specified more than once within the same command.

User response: Review your syntax and eliminate one of the options.

BMC30120E  OPTION optionValue IS NOT ALLOWED BETWEEN TABLESPACE OR INDEXSPACE OPTIONS

Explanation: The option is a global COPY option and should not appear between TABLESPACE or INDEXSPACE options within the same COPY command.

User response: Move the option after all TABLESPACE and INDEXSPACE options. See the product documentation to review the syntax.

BMC30121E  SPACE databaseName.tableSpaceName ALREADY IN USE BY A DB2 UTILITY

Explanation: The table space you requested for copying is marked UTRO or UTUT. Additionally, for an incremental (FULL NO) copy, the initial table space or partition status UTRW is not permitted.

User response: Wait for the DB2 utility to be completed or end the DB2 utility before you restart COPY PLUS. See the product documentation. You may also specify the installation option UTRETRY=YES to tell COPY PLUS to retry until the UT xx clears or until the retry is exhausted.

BMC30122E  option REQUIRES OUTSIZE OPTION

Explanation: option represents BIGDDN, BIGRECDDN, BIGDSN, or BIGRECDSN—all of which require that OUTSIZE be specified.

User response: Specify a value for the OUTSIZE parameter.
BMC30123E SPACE databaseName.tableSpaceName ALREADY IN USE BY UTILID utilityID
Explanation: The table space that you requested for copying is already in use by the BMC utility identified as utilityID above. The utility may not necessarily be executing; it may be marked as awaiting restart.
User response: Wait for the other utility to finish or terminate the utility. See the product documentation for more information.

BMC30124E SPACE databaseName.tableSpaceName STATUS IS NOT ALLOWED, STATUS = xx
Explanation: The table space you requested for copying by COPY PLUS is in status xx, which is not supported by COPY PLUS. The table space must be started in one of these statuses: RW, RO, or UT. Additionally, it may be in copy pending (COPY) status.
User response: If the table space is not started, issue the START command. If it is in some other status, take appropriate DB2 action to change the status to one supported by COPY PLUS, then submit the job again.

BMC30125E SPACE databaseName.tableSpaceName CANNOT BE STOPPED. IT MAY BE IN USE
Explanation: The table space you requested for copying cannot be stopped before or after the copy process. A DB2 -DISPLAY LOCKS message follows to show the current status and the users of the space.
User response: The space will be marked stop pending (STOPP) until no other jobs are using it. When the status has become stopped (STOP), restart the utility. If the problem occurs again, try increasing the values of the DB2WAIT and DB2NTRY installation options.

Using a different RESETMOD or SHRLEVEL option, or a different initial table space status may allow COPY PLUS to avoid -STOP processing completely. Review the product documentation for more information.

BMC30126E SPACE databaseName.tableSpaceName HAS STATUS INCONSISTENT WITH SHRLEVEL
Explanation: When it restarted the utility in the COPY phase, COPY PLUS discovered that the space has a status that is inconsistent with the SHRLEVEL option.
User response: If you are sure that no changes have been made to the space, stop the space or start the space with the appropriate access, then restart the utility. Otherwise, terminate the utility, then start it again.

BMC30127E SPACE databaseName.tableSpaceName CANNOT BE QUIESCED. text
Explanation: The table space you requested for copying cannot be quiesced before or after the copy process. This message can result when a long transaction is updating the table space or when the table space or partition is in copy pending (COPY) status. The message can also result from the use of
DEFINE NO spaces and their related spaces. BMC30127 can either have an E or W suffix depending upon the severity of the quiesce failure. COPY PLUS continues processing if it is a warning, but sets rc=4.

**User response:**

- If this message indicates that the space may be in use and is accompanied by a job return code greater than 4, wait for any long transactions updating the table space to complete, then restart the utility. Otherwise, this message is a warning because the copy has been made and successfully registered. However, the QUIESCE BEFORE or QUIESCE AFTER option could not be completed.

- If the message indicates that a related index is defined deferred (DEFINE NO) and the return code is greater than 4, display the index space, correct its status, and restart the copy.

**BMC30127W SPACE databaseName.tableSpaceName CANNOT BE QUIESCED.**

**Explanation:** The table space you requested for copying cannot be quiesced before or after the copy process. This message can result when a long transaction is updating the table space or when the table space or partition is in copy pending (COPY) status. The message can also result from the use of DEFINE NO spaces and their related spaces. BMC30127 can either have an E or W suffix depending upon the severity of the quiesce failure. COPY PLUS continues processing if it is a warning, but sets rc=4.

**User response:**

- If this message indicates that the space may be in use and is accompanied by a job return code greater than 4, wait for any long transactions updating the table space to complete, then restart the utility. Otherwise, this message is a warning because the copy has been made and successfully registered. However, the QUIESCE BEFORE or QUIESCE AFTER option could not be completed.

- If the message indicates that a related index is defined deferred (DEFINE NO) and the return code is greater than 4, display the index space, correct its status, and restart the copy.

**BMC30128W SPACE databaseName.tableSpaceName CANNOT BE REPAIRED, RC = returnCode**

**Explanation:** The REPAIR utility failed with a return code of `returnCode`. The table space or partition has been left in copy pending status. The copy was still made.

**User response:** Run the REPAIR utility to reset the copy pending status.
**BMC30129E**  
**DB2 COMMAND command RC = returnCode, REASON CODE = reasonCode**  
*Explanation:* The specified DB2 command returned a nonzero return code.  
*User response:* Make sure you are authorized to execute the command. Look up the DB2 return code and reason code in the IBM DB2 UDB for OS/390 and z/OS Messages and Codes manual. If you are unable to resolve the problem, contact BMC Customer Support.

**BMC30130E**  
**SPACES CANNOT BE QUIESCED. THEY MAY BE IN USE**  
*Explanation:* The group of table spaces cannot be quiesced.  
*User response:* Check the preceding DSN messages produced by the DB2 utility to determine the cause of the QUIESCE failure. If consistency CONCURRENT PREFERRED was used, the copy will continue. If CONCURRENT REQUIRED was used, the copy will stop, so either change the consistency option or correct the problem. Refer to the product documentation for more information.

**BMC30131E**  
**INTERNAL ERROR IN SECONDARY AUTHID LOOKUP, CODE = returnCode.**  
*Explanation:* An unexpected error occurred during the processing to obtain secondary authorizations ID (if any) for the COPY PLUS user.  
*User response:* Check the status of the DB2 subsystem. If you cannot determine and correct the problem, make a note of the code returnCode and then contact BMC Customer Support.

**BMC30132E**  
**UNABLE TO RESTART ACROSS RELEASES**  
*Explanation:* You have attempted to restart COPY PLUS using a different version of the product than the one used originally for this job. COPY PLUS does not support this request.  
*User response:* Either restart COPY PLUS using the same version of the product as the one used originally for the job, or initiate a new COPY PLUS job by using the NEW utility parameter.

**BMC30133E**  
**SHRLEVEL REFERENCE, QUIESCE OR RUNSTATS NOT ALLOWED IF SPACE HAS 'REORP' STATUS**  
*Explanation:* COPY PLUS allows SHRLEVEL CHANGE or SHRLEVEL NONE with the REORP status, but does not allow SHRLEVEL REFERENCE, QUIESCE, or RUNSTATS.  
*User response:* Reorganize the table spaces and indexes.

**BMC30134I**  
**INDEX databaseName.tableSpaceName partition HAS 'COPY YES' ATTRIBUTE - COPYLRSN (lrsn)**  
*Explanation:* This error shows the value of the COPYLRSN column of the SYSIBM.SYSINDEXES table at the time that the index space entered into COPY YES status.  
*User response:* No action is required. This message is for information only.
BMC30135I  NO TABLE or INDEX SPACES FOUND FOR WILD CARD 'object/objectPattern'

Explanation: No matches were found for the object or objectPattern.
User response: No action is required. This message is for information only.

BMC30136I  USING STANDARD DB2 SECURITY, EXIT (4) or USING DB2 SECURITY EXIT

Explanation: This message indicates the security protocol being used by COPY PLUS—either standard DB2 security or the DB2 security exit (RACF). The first version of the message is returned when native DB2 security is used. The second version of the message is returned when RACF security is used.
User response: If the security protocol selected is correct, no action is required. If the utility should not be using standard DB2 security, be sure that the library containing the correct version of load module DSNX@XAC is available in the STEPLIB DD statement for the job. Refer to the IBM RACF Security Administrator's Guide for further information about using the DB2 external security exit to control access to DB2 objects.

BMC30137W  DBD ACCESS WAS UNSUCCESSFUL, RC = returnCode (databaseName.tableSpaceName)

Explanation: The COPY PLUS DBD interface has detected an unexpected condition. The utility will extract required information from the DB2 catalog. A reason code is displayed to assist BMC Customer Support in diagnosing the problem. databaseName.tableSpaceName identifies the table space involved.
User response: No action is required. If the error persists, contact BMC Customer Support.

BMC30139W  ERROR RETURNED FROM DRAIN = errorCode

Explanation: This message reports that an error is returned when COPY PLUS is invalidating the DB2 SQL statement cache for RUNSTATS.
User response: Contact BMC Customer Support.

BMC30140I  USING DB2 SECURITY EXIT

Explanation: This message indicates that the utility detects an active DB2 external security exit and will use it for authorization checking in the job.
User response: None required. Refer to the IBM RACF Security Administrator's Guide for further information about using the DB2 external security exit to control access to DB2 objects.

BMC30141E  DATASET dataSetName ALREADY USED FOR PREVIOUS IMAGE COPY AT RBA X'hexRBA'

Explanation: You specified a data set name that is already in use for another image copy. This message is for information only (severity code I) if you specified ON DUPLICATEDS DELETE.
User response: Specify a different data set for the image copy.
**COPY COMPLETE = copyDataSetName**

*Explanation:* When REGWTO=YES, this message prints in the COPY PLUS output and on the console log, after the disk image copy data set is unallocated.

*User response:* No action is required. This message is for information only.

**CONTINUING DUE TO keywordString OPTION**

*Explanation:* This message reports that COPY PLUS is continuing, even though an error was encountered, because ON ERROR BADSTATUS, ON ERROR NOTSUPPORTED, or ON ERROR ICEXISTS is specified as SKIP.

*User response:* No action is required. This message is for information only.

**option NOT SUPPORTED FOR DSN1COPY-TYPE COPY**

*Explanation:* COPY PLUS does not support this option for a DSN1COPY-type copy.

*User response:* Remove the option from the COPY statement and resubmit the job.

**MAINT: fixNumberList**

*Explanation:* This message lists the fix numbers applied to the COPY PLUS load library.

*User response:* No action is required.

**DB2 SECURITY EXIT FAILED, RC = exitReturnCode**

*Explanation:* This message indicates that a call to the DB2 external security exit in module DSNX@XAC failed. The message displays the return code for the exit.

*User response:* Refer to the DB2 external security exit source code for additional information about the return code. Refer to the *IBM RACF Security Administrator's Guide* for further information about using the DB2 external security exit to control access to DB2 objects.

**DB2 SECURITY EXIT CLOSED**

*Explanation:* This message indicates that the utility has terminated usage of the DB2 external security exit.

*User response:* No action is required.

**SUPPORT FOR THIS FUNCTION IS NO LONGER PROVIDED - optionName**

*Explanation:* Support for the option listed is no longer provided in COPY PLUS.

*User response:* No action is required.
Messages BMC30200 through BMC30299

For the COPY PLUS for DB2 product, this topic explains each message in the designated range.

**BMC30231E**

```
subtask TASK NUMBER n ABNORMALLY TERMINATED WITH SYSTEM ABEND CODE = returnCode
```

*Explanation:* The specified subtask ended with a nonzero return code.

*User response:* Refer to the symptom dump in the job output for a summary of the abend. For user completion code 800 and user completion code 3500, refer to the *Backup and Recovery Products for DB2 Messages Manual*. For other abend codes, refer to the *z/OS MVS System Codes* manual or the IBM *DB2 Universal Database for z/OS Messages and Codes* manual to determine the cause of the problem and the corrective action.
Messages BMC30500 through BMC30599

This chapter includes messages for the COPY PLUS for DB2 product, and because COPY PLUS is a component of the Recovery Management for DB2 product, for Recovery Management as well.

Messages BMC30500 through BMC30599

For the COPY PLUS for DB2 product, this topic explains each message in the designated range.

**BMC30500E INSTALL OPTIONS IS WRONG VERSION OR DAMAGED**

*Explanation:* The COPY PLUS installation options table contains an ID that is used to ensure release compatibility. The ID in the ACP$OPTS member loaded during program initialization is incorrect.

*User response:* Check the load library concatenation to ensure that the correct ACP$OPTS member is included. Refer to Appendix A for instructions about preparing your ACP$OPTS module.

**BMC30501E COPY COMMAND MISSING**

*Explanation:* The COPY command was not found with the SYSIN input data set.

*User response:* Check the input data set. Correct the problem, then submit the job again.

**BMC30502E TABLESPACE OR INDEXSPACE KEYWORD MISSING**

*Explanation:* The TABLESPACE or INDEXSPACE keyword was not found in the SYSIN input data set. Either TABLESPACE or INDEXSPACE is required.

*User response:* Check the input data set. Correct the problem and submit the job again.
<table>
<thead>
<tr>
<th>BMC30503I</th>
<th>OUTPUT DATASET NAME = dataSetName</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>This message shows the name of the output data set that will be used by the SYSCOPY data set.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>No action is required. This message is for information only.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMC30504I</th>
<th>OUTPUT VOL=SER = volume</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>This message shows the volume serial number of the output data set. If the data set is not cataloged, the volume serial number shown is recorded in the SYSIBM.SYSCOPY table. If the volume is SCRTCH, the correct information will be obtained later in the process. Only the first volume appears in this message.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>No action is required. This message is for information only.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMC30505E</th>
<th>OUTPUT BLOCK SIZE IS NOT A MULTIPLE OF 4096, BLKSIZE = n</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The output block size must be a multiple of 4096 to be compatible with the RECOVER PLUS (or the DB2 RECOVER) utility.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Modify your JCL to correct the BLKSIZE parameter (or remove it and use the default), then submit the job again. For more information, see the product documentation.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMC30506E</th>
<th>DATABASE IS UNAVAILABLE. STATUS = STOP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The table space cannot be copied. The database is stopped.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Start the database and then restart the utility.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMC30507E</th>
<th>VCAT OPTION REQUIRED FOR FULL DSN1COPY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>You did not specify the VCAT name for a FULL DSN1COPY option. A VCAT option is required for FULL DSN1COPY.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Add the VCAT option to your COPY command.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMC30508I</th>
<th>OUTPUT DEVICE TYPES ARE DIFFERENT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The device types for the output copy data sets are different. You may be able to improve performance by using the same device type for all copies, thereby allowing COPY PLUS to use an access method that is optimized for the device type.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>No action is required. This message is for information only.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMC30509W</th>
<th>INCOMPATIBLE COMMON CODE VERSION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The common code (SCC) version that you are running is incompatible with this version of RECOVER PLUS.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Install the appropriate version of the common code. For the correct version information, contact BMC Customer Support.</td>
</tr>
</tbody>
</table>
**BMC30510E**  INCREMENTAL WITH READTYPE readType NOT ALLOWED FOR tableSpaceName

*Explanation:* COPY PLUS found READTYPE readType specified in the SYSIN data set. Incremental copies are not allowed for “special case” table spaces.

*User response:* Remove the READTYPE specification and then run the job again.

**BMC30511I**  SKIPPING databaseName.tableSpaceName DNUM n DUE TO RESTART

*Explanation:* COPY PLUS is restarting. The current space within the SYSIN data set is being skipped because its number is lower than the number indicated in BMCUTIL which directs the restart position.

*User response:* No action is required. This message is for information only.

**BMC30512W**  WARNING: COULD NOT SET COPY PENDING FOR tableSpaceName

*Explanation:* COPY PLUS was not able to put the table space or partition in copy pending status.

*User response:* No action is required if a successful copy was made during this run. If a successful copy was not made, a full copy should be made as soon as possible. Do not make an incremental copy before you have made a successful full copy.

**BMC30513E**  optionName IS NOT ALLOWED FOR CATALOG OR DIRECTORY

*Explanation:* The optionName given in this message was coded or defaulted in a COPY statement for a table space in database DSNDB01 or DSNDB06. This option value is not supported for catalog or directory table spaces.

*User response:* Change the COPY statement to use a different option value. For more information, see the product documentation.

**BMC30514I**  SYSCOPY SUPPORT NOT INSTALLED FOR PACKAGE IN PLAN planName

*Explanation:* The product has detected that a package in the identified plan has been bound without support for updating SYSIBM.SYSCOPY. Subsequent messages identify the names of packages rebound to correct this condition. If COPY PLUS is unable to correct the error, this message is issued as an error (severity level E) and the job ends with condition code 12.

*User response:* If the job ends normally, no response is required. If the job ends with an error, contact BMC Customer Support.

**BMC30515E**  DUPLICATE DDNAME FOUND, DDNAME = ddname

*Explanation:* The ddname shown was used more than once in the COPYDDN or RECOVERYDDN options.

*User response:* Use unique ddnames for output copies.
BMC30516E  REGISTERING MORE COPIES THAN ALLOWED FOR reason
Explanation: You attempted to register more copies than allowed for the reason specified. You may have registered more copies than are allowed for the version of DB2 you are running, or attempted to register more copies than you are making.
User response: Check and correct your options, then submit the job again.

BMC30517I  USING IBM COPY UTILITY
Explanation: When you specify SHRLEVEL CHANGE RESETMOD YES, COPY PLUS passes the COPY command to the DB2 COPY utility to make the copy. Many COPY PLUS options are ignored because they are not supported by DB2 COPY.
User response: No action is required. This message is for information only. If your intention is not to pass the copy to the DB2 COPY utility, change the SHRLEVEL or RESETMOD option, then submit the job again.

BMC30518E  SHRLEVEL IS INCOMPATIBLE WITH EXECUTING UTILITY
Explanation: If more than one copy job is running concurrently on the same table space, all copies must have the same SHRLEVEL option.
User response: Change the SHRLEVEL option or wait until the conflicting utility has completed.

BMC30519I  installationOption = value
Explanation: This message gives the current value (value) of each COPY PLUS installation option (installationOption). One message is displayed for each installation option and is displayed only if you specify MSGLEVEL(1) in the COPY PLUS EXEC statement.
User response: No action is required. This message is for information only.

BMC30520I  COPY STARTED FOR DATASET = dataSetName
Explanation: The system started making a copy for the named data set.
User response: No action is required. This message is for information only.

BMC30521I  NUMBER OF PAGES COPIED = n
Explanation: This message shows the total number of pages written to each output data set.
User response: No action is required. This message is for information only.

BMC30522I  NUMBER OF PAGES WITH THE MODIFICATION INDICATOR = n
Explanation: This message shows the total number of pages updated since the previous copy.
User response: No action is required. This message is for information only.
BMC30523I  MERGING WITH DATASET = dataSetName, DATE = date, TIME = time

Explanation: The incremental copy of the data set that is being made is merging with the copy of the data set identified by name, date, and time. The entry for the older copy will be deleted from SYSIBM.SYSCOPY or marked with a lower case i (if the KEEP option is specified).

User response: No action is required. This message is for information only.

BMC30524I  dataSetName(n) IS ALLOCATED BUT EMPTY

Explanation: COPY PLUS has encountered a space that is empty and bypassed it.

User response: No action is required. This message is for information only.

BMC30525I  COPY COMMAND EXECUTION COMPLETE, RETURN CODE = returnCode

Explanation: COPY command execution has completed.

User response: If the return code is not zero, check previous messages to determine the problem. If the return code is zero, no action is required.

BMC30526I  RECALL/QUIESCE COMMAND EXECUTION COMPLETE, RETURN CODE = returnCode

Explanation: RECALL or QUIESCE command execution has completed.

User response: If the return code is not zero, check previous messages to determine the problem. If the return code is zero, no action is required.

BMC30527I  SAVING INCREMENTAL DATASET = dataSetName, DATE = date, TIME = time

Explanation: The incremental copy of the data set that is being made is merging with the copy of the data set identified by name, date, and time. The entry for the older copy will be updated in SYSIBM.SYSCOPY.

User response: No action is required. This message is for information only.

BMC30528E  NO COPY FOUND WITH ICTYPE i AT RBA 'hexRBA'

Explanation: A RECALL statement was coded in the SYSIN data set but no copy with ICTYPE i was found at the RBA shown (hexRBA).

User response: Check the ATRBA value in the RECALL statement against the START_RBA column of SYSIBM.SYSCOPY. Correct the error and submit the job again.

BMC30529E  UNABLE TO FREE DATASET DDNAME = ddname

Explanation: COPY PLUS is unable to dynamically free (unallocate) the data set named.

User response: For more information, check the job log. If you understand the problem, correct it and restart the utility. Otherwise, contact BMC Customer Support.
BMC30530E  UNABLE TO ALLOCATE DATASET dataSetName
Explanation:  COPY PLUS is unable to dynamically allocate the data set named.
User response:  If the data set is SYSIN, check the WKUNIT option in your
installation options to determine that it specifies a valid unit name for your
installation. (For more information on installation options, see the product
documentation.) If the data set is the table space, be sure you have specified the
correct value for DSNUM. For more information, check the job log. If you
understand the cause, correct the problem, then restart the utility. Otherwise,
contact BMC Customer Support.

BMC30531E  UNABLE TO OPEN DATASET DDNAME = ddname
Explanation:  COPY PLUS is unable to open the data set named.
User response:  For more information, check the job log. If you understand the
problem, correct it, then restart the utility. Otherwise, contact BMC Customer
Support.

BMC30532E  UNABLE TO CLOSE DATASET DDNAME = ddname
Explanation:  The data set named cannot be closed.
User response:  Check the job log for errors. Correct the problem, then restart
the utility.

BMC30533E  UNABLE TO CONNECT TO DATASET DDNAME = ddname, RC = returnCode
Explanation:  COPY PLUS is unable to connect to the DB2 data set named and
the reason code is given.
User response:  For more information, check the job log. Possible causes are:

■ an empty data set.

■ an incorrect SHROPTION specification.

■ insufficient authority for data set access.

■ the data set is in a shared read-only database, a non-owning subsystem has
opened it for update, and COPY PLUS is trying to open it for update.

■ DB2 has the data set open with an exclusive enqueue. This occurs the first
time DB2 opens a data set for a nonpartitioned space. In this case, issue a -
STOP and then a -START against the space.

If you understand the problem, correct it, then restart the utility. Otherwise,
contact BMC Customer Support.
BMC30534E  ERROR DISCONNECTING FROM DATASET, RC = returnCode

Explanation: COPY PLUS received an error when it disconnected from the DB2 data set named and a reason code is given.

User response: For more information, check the job log. If you understand the problem, correct it, then restart the utility. Otherwise, contact BMC Customer Support.

BMC30535E  ERROR EXTENDING OUTPUT DATASET, RC = returnCode

Explanation: COPY PLUS received an error while it was extending an output data set on DASD. A reason code is given.

User response: For more information, check the job log. Likely causes are that there is no space available on DASD or there are too many extents. Correct the problem, then restart the utility.

BMC30536E  UNABLE TO READ JFCB, DDNAME = ddname, RC = returnCode

Explanation: COPY PLUS received a nonzero return code from a RDJFCB (Read Job File Control Block) request for the output data set named.

User response: Check your JCL and verify that you coded a DD statement for the ddname given in the message. Check your COPYDDN or RECOVERYDDN option for the correct ddname. Also, verify that FREE=CLOSE is not specified on the DD statement referred to in the error message.

BMC30537E  UNABLE TO RETRIEVE DISP, DDNAME = ddname, RC = returnCode

Explanation: COPY PLUS received a nonzero return code from the SVC99 processor when it was trying to retrieve the normal disposition for the output data set named.

User response: Check the job log. If you cannot determine and correct the problem, contact BMC Customer Support.

BMC30538E  UNABLE TO RETRIEVE DEVICE TYPE, DDNAME = ddname, RC = returnCode

Explanation: COPY PLUS received a nonzero return code from the device type SVC.

User response: Check the job log. If you cannot determine and correct the problem, contact BMC Customer Support.

BMC30539E  UNABLE TO READ DSCB, DDNAME = ddname, RC = returnCode

Explanation: COPY PLUS received a nonzero return code while it was reading the data set label of the output data set named.

User response: Check the job log. A possible cause of the problem is the use of DISP=MOD and VOL=SER on the DD statement. If you cannot determine and correct the problem, contact BMC Customer Support.
TABLE SPACE READ REQUEST ERROR, RC = returnCode

**Explanation:** COPY PLUS received a nonzero return code from a request to read a DB2 data set.

**User response:** Contact BMC Customer Support.

TABLE SPACE WRITE REQUEST ERROR, RC = returnCode

**Explanation:** COPY PLUS received a nonzero return code from a request to write a DB2 data set using table space I/O.

**User response:** Contact BMC Customer Support.

**DD= ddname, DSN= dataSetName**

**Explanation:** This message provides the ddname and the data set name for current processing.

**User response:** No action is required. This message is for information only.

BUFFER FLUSH AT lrsn NOT USED - reasonText

**Explanation:** When the utility detects that there are updates in the DB2 buffer pool that have not yet been written to DASD, it attempts to locate a valid buffer flush to use for registration of the image copy in SYSIBM.SYSCOPY. In the case of this message, the utility has detected that the buffer flush value is not valid for registration of the current image copy. The *reasonText* further clarifies the message. Possible values for the *reasonText* are:

- **PRECEDES AN EXISTING QUIESCE/COPY**--Registration of an image copy at a log point previously used for registration of both a quiesce and another image copy is not valid.

- **PRECEDES A QUIESCE WRITE(NO)**--Registration of an image copy at a log point preceding a QUIESCE WRITE(NO) utility is not valid.

- **PRECEDES AN EXISTING COPY**--Registration of an incremental image copy at a log point preceding an existing image copy is not valid.

- **PRECEDES AN EXISTING INCREMENTAL COPY**--Registration of any image copy preceding the log point of an existing incremental image copy is not valid.

- **PRECEDES AN UNRECOVERABLE SYSCOPY EVENT**--Registration of an image copy preceding the log point of an unrecoverable SYSCOPY event, such as a LOAD or REORG with the LOG NO option, is not valid.

- **PRECEDES A QUIESCE FOR A SINGLE PARTITION**--Registration of a DSNUM ALL image copy at a log point preceding a quiesce point for an individual partition is not valid.
If the SLCHGQSC installation option is set to YES, the utility will attempt to invoke the quiesce utility to quiesce the space and acquire a valid registration point for the copy. If SLCHGQSC is set to NO, the job step ends with condition code 12.

**User response:** If a quiesce is preferable to a job failure, in this case, change the SLCHGQSC value to YES.

---

**BMC30544E**

**COULD NOT RETRIEVE A UNIQUE RBA**

*Explanation:* When making a SHRLEVEL CHANGE copy, COPY PLUS was unable to retrieve an RBA or LRSN for registration that has not already been used.

*User response:* The status of the pages has not changed so a copy is not necessary. However, using QUIESCE BEFORE will allow COPY PLUS to make a copy.

---

**BMC30545E**

**INPUT BLOCK SIZE IS NOT A MULTIPLE OF 4096, BLKSIZE = n**

*Explanation:* While performing COPY IMAGECOPY, COPY PLUS found that the block size of the input image copy is not a multiple of 4K. This condition should not occur.

*User response:* Make a new image copy of the table space.

---

**BMC30546E**

**DSNUM valueOfDSNUM NOT ALLOWED FOR RECOVERY MANAGER GROUPS**

*Explanation:* Use of DSNUM valueOfDSNUM with RMGROUP is not supported.

*User response:* Remove the DSNUM option from RMGROUP specification and resubmit the job.

---

**BMC30547E**

**ERROR RETRIEVING APPLICATION OBJECTS FOR CREATOR creatorName - RC = returnCode**

*Explanation:* An SQL error occurred while retrieving the table and space names from the DB2 catalog for the application.

*User response:* Refer to the SQL error message that precedes this message and correct the error.

---

**BMC30548E**

**APPLICATION applicationName IS NOT FOUND OR IS EMPTY**

*Explanation:* An SQL error occurred during the fetch for an application list.

*User response:* Refer to preceding messages.
BMC30549I  **QUIESCING** tableSpaceName

*Explanation:* The utility has determined that a quiesce is required to register a SHRLEVEL CHANGE copy. A preceding BMC30543I message explains why the quiesce is required.

*User response:* No action is required. This message is for information only.

BMC30550E  **READ ECB ABNORMAL COMPLETION CODE = cc**

*Explanation:* A read operation completed with the abnormal completion code shown.

*User response:* Check the job log for possible I/O errors. See DFSMS/MVS Using Advanced Services for Data Sets for an explanation of the completion codes. If you cannot determine and correct the problem, contact BMC Customer Support.

BMC30551E  **WRITE ECB ABNORMAL COMPLETION CODE = cc**

*Explanation:* A write operation on an output data set or a DB2 data set completed with the abnormal completion code shown.

*User response:* See DFSMS/MVS Using Advanced Services for Data Sets for an explanation of the completion codes. If you cannot determine and correct the problem, contact BMC Customer Support.

BMC30552E  **TABLE SPACE I/O REQUEST ELEMENT FLAG = flag**

*Explanation:* This message accompanies message 30550. A table space I/O request to read a DB2 data set terminated with a nonzero completion code. This message displays flag2 in the table space I/O request element. Possible values for flag are: 10 (logical error); 08 (extent error); 04 (I/O error); 02 (element not processed); 01 (request element comparison).

*User response:* If you cannot determine and correct the problem, contact BMC Customer Support.

BMC30553E  **ESTAE SETUP FAILED, RC = returnCode**

*Explanation:* Initialization of the ESTAE routine failed with a return code of returnCode.

*User response:* Contact BMC Customer Support to report the message and return code.

BMC30554E  **UNEXPECTED SQL ERROR, SQLCODE = n**

*Explanation:* COPY PLUS encountered an unexpected SQL error. This message will be followed by additional DB2 messages.

*User response:* If you understand the problem, such as an SQL time-out error, correct the problem, then restart the utility.
BMC30555W  **OBJECTSET objectSetName - NO OBJECTS FOUND**

*Explanation:* The object set that you specified does not contain any table spaces.

*User response:* Add table space objects to the object set or use a different object set that contains the desired table spaces. Also, make sure you spelled the object set name correctly and that you specified the correct DB2 subsystem ID.

BMC30556E  **productName SECURITY CONFIGURATION ERROR - CHECK PASSWORDS**

*Explanation:* There is a problem with your security configuration or passwords.

*User response:* Contact your BMC sales representative for assistance.

BMC30557E  **productName SECURITY CHECK FAILED, RC = returnCode - CHECK JES LOG MESSAGE**

*Explanation:* The BMC security check failed. This failure can occur when the trial period has expired, when you run the *productName* given on an unauthorized CPU, or when you access the wrong authorization module.

*User response:* See the job log for additional messages. If the trial period has expired, contact your BMC sales representative for assistance.

BMC30558U  **INVALID OBJECTSET NAME FORMAT**

*Explanation:* The object set name specified does not conform to convention for object set names.

*User response:* Make sure the object set name consists of creator.objectSetName, where creator is 8 characters maximum and objectSetName is 18 characters maximum.

BMC30559E  **ERROR RETRIEVING OBJECTS FOR OBJECTSET objectSetName**

*Explanation:* An SQL error occurred while retrieving the table space names from the object set or the object set does not exist.

*User response:* Refer to the SQL error message that precedes this message and correct the error.

BMC30560E  **INTERNAL ERROR IN MODULE moduleName: text**

*Explanation:* An internal error was detected in the module specified. The *text* may include a return code.

If *moduleName* is WRITEBUF and the *text* is ENCRYPTION FAILED, COPY PLUS could not encrypt the image copy.

*User response:* Make note of the return code (if any) and contact BMC Customer Support.

If the error is an encryption error, restart the copy. If the error persists, remove the ENCIPHER option from the OUTPUT command.
BMC30561E  INVALID SPACE MAP PAGE READ X'\text{hexValue}'

Explanation: COPY PLUS read a page from the table space expecting it to be a space map. However, the PGFLAGS field in the page header indicated that it was not a space map. The page may be logically or physically damaged.

User response: Check the PGSIZE option if the job is a FULL DSN1COPY. Print the page using DSN1PRNT and verify the PGFLAGS setting. There may be a mismatch between the PARTITIONS, PGSIZE, and SEGSIZE information in SYSIBM.SYSTABLESPACE and the physical contents of the space due to incorrect use of DSN1COPY when loading the space. You may want to run COPY PLUS with CHECKTSLEVEL 2, CHECK PLUS, or IBM’s DSN1COPY with the CHECK option to assist in determining the problem with the table space.

BMC30562E  EXPECTING PAGE X'\text{pagenum1}' FOUND PAGE X'\text{pagenum2}'

Explanation: COPY PLUS encountered a page that it did not expect.

User response: The page numbers \text{pagenum1} and \text{pagenum2} are shown in hexadecimal. Print page \text{pagenum1} using DSN1PRNT to see if there is a problem with the DB2 data set. If \text{pagenum2} is zero, also print the associated space map page and check for problems. If the DSN1PRNT output indicates there is data on the page and the copy was made using SHRLEVEL CHANGE, the updates to the table space that occurred while the copy was being made have now been written to DASD and no further action is required.

This error is also issued when a SHRLEVEL CONCURRENT copy is being run at the same time that LOAD REPLACE is executing on a table space.

If you determine that there is no problem with the DB2 data set, contact BMC Customer Support. The error produces a U3500 abend and the resulting dump may be required for problem resolution.

BMC30563E  PHASE RESTART IS NOT ALLOWED FOR INCREMENTAL COPY

Explanation: For incremental copies, you cannot restart at the beginning of the current phase.

User response: Modify your job to specify restart at the last sync point, or terminate the utility and submit a full image copy. For more information on restarting and terminating the utility, see the product documentation.

BMC30564E  UTILITY ID IS ACTIVE. CANNOT RESTART OR REUSE

Explanation: A COPY PLUS utility with the same utility id is already active. This was detected by a MVS enqueue on BMCACPUI (major) and the concatenation of subsystem id and utility id (minor).

User response: Use a different utility id, wait for the active job to complete, or cancel the active job.
BMC30565E  COULD NOT RETRIEVE LOG RBA, RC = returnCode
Explanation: When accessing the current log RBA to use as part of the SYSCOPY record, COPY PLUS could not obtain a consistent RBA.
User response: Contact BMC Customer Support.

BMC30566E  UNABLE TO UPDATE SYSCOPY FOR MERGE
Explanation: An error occurred during a merge process when COPY PLUS tried to delete an entry in the SYSIBM.SYSCOPY table.
User response: Look for a corresponding BMC30023 SQL error message. If you understand the problem, correct it, then submit the job again. Otherwise, contact BMC Customer Support.

BMC30567E  COULD NOT RETRIEVE event RBA or LRSN, RC = returnCode
Explanation: When accessing the RBA or LRSN for the specified event to use as part of the SYSIBM.SYSCOPY row, COPY PLUS could not obtain a consistent log point. Some possible reasons for this error include:

- general communications error
- error occurred while setting up connection
- error occurred while sending data
- internal COPY PLUS XCF error
- communications buffer allocation failure
- communications timeout
- large number of locks on object

User response: In a data sharing environment, verify that all DB2 subsystems and all COPY PLUS agents are functioning normally. If the object has a large number of locks, try setting the DISPLOCK option to NO. If this does not resolve the problem, contact BMC Customer Support.

BMC30568E  HEADER PAGE pageNum IS INVALID
Explanation: The validity checks failed on the header page with page number pageNum. Bad data in the PGFLAGS, HPGBID, or HPGBID fields could cause the problem.
User response: Use DSN1PRNT to print the header page and verify the fields. If the fields are in error, RECOVER or REORG the space to rebuild the header page. If the fields look correct, collect the COPY PLUS job output and the DSN1PRNT output and contact BMC Customer Support.
BMC30569I  WAITING FOR RECALL OF DATASET ON VOLID volumeSerialNumber - SLEEPING FOR \( n \) SECONDS

Explanation:  COPY PLUS will sleep for various intervals, between 10 and 60 seconds, for an archived data set to be recalled. After trying for one hour, COPY PLUS will quit waiting and continue processing.

User response:  No action is required. This message is for information only.

BMC30570E  DSNUM \( n \) IS GREATER THAN NPARTS totalPartitions

Explanation:  The DSNUM you specified is greater than the total number of partitions in the table space.

User response:  The DSNUM value must be between 1 and totalPartitions. Correct the DSNUM value and submit the job again.

BMC30571I  RETRYING DB2 COMMAND OR STATEMENT: text. WAITING \( n \) SECONDS

Explanation:  After issuing the DB2 command or SQL statement identified by text, COPY PLUS received a return code from DB2 indicating possible resource contention. COPY PLUS waits \( n \) seconds and retries the command or statement.

If the DB2 command identified is EDM POOL, COPY PLUS has detected an error while trying to access DBD information about a table space from the EDM pool and will retry the EDM pool access. A preceding message identifies the table space and displays a reason code, which is provided to assist BMC Customer Support in diagnosing the problem.

COPY PLUS will retry the command up to five times. If DBD access is still unsuccessful, the utility will issue message BMC30137W and try to extract the required information from the DB2 catalog.

User response:  If the COPY PLUS job is still in progress, attempt to resolve the contention. If the job step completed with a return code less than or equal to 4, no action is required. If COPY PLUS completed with a return code greater than 4, you may want to increase the settings of the DB2WAIT and DB2NTRY installation options. See Appendix A for information about DB2WAIT and DB2NTRY.

BMC30572I  COPY RUN AS SHRLEVEL \( x \) DUE TO reason

Explanation:  The SHRLEVEL ANY option was specified. COPY PLUS chose the SHRLEVEL option given by \( x \) for the reason displayed.

User response:  No action is required. This message is for information only.

BMC30573E  PAGE CHANGE OCCURRED DURING FULL NO EMPTY NO PROCESSING

Explanation:  While processing a SHRLEVEL CHANGE incremental copy with the EMPTY NO option specified, COPY PLUS encountered the situation where
no changed pages were found but then a page changed before processing of the EMPTY NO condition completed.

User response: Restart the copy. For more information, see the product documentation.

**BMC30574E**  
**SPACE MARKED WITH ERROR RANGE: errorlo errorhi**  
Explanation: The table space has an error range marked.

User response: Use the DB2 DISPLAY command to review the error range and then take appropriate recovery actions.

**BMC30575I**  
**FULL IMAGE COPY AGE IS numberOfDays DAYS**  
Explanation: This message provides the age of the latest full image copy.

User response: No action is required. This message is for information only.

**BMC30576E**  
**INCREMENTAL COPY PROHIBITED DUE TO explanation**  
Explanation: An incremental (FULL NO) copy was not made for the reason shown in the explanation. The ESCALATE installation option is set to NO. This message is accompanied by return code 8.

For more information, see the product documentation.

User response: Change the ESCALATE installation option or manually make a full copy before the next FULL NO ESCALATE NO incremental.

**BMC30577I**  
**SELECTED READTYPE readType DUE TO reason**  
Explanation: READTYPE AUTO was specified in a FULL NO, FULL AUTO, or CHANGELIMIT statement. COPY PLUS selected the readType shown (RANDOM or FULLSCAN) for the reason (reason) shown.

User response: No action is required. This message is for information only.

**BMC30578I**  
**ESTIMATED TOTAL PAGES = num1, ESTIMATED CHANGED PAGES = num2, PCT = percent**  
Explanation: FULL AUTO FULLPCT or CHANGELIMIT was specified in the SYSIN data set. The message provides the estimated total pages and changed pages and the percent of changed pages.

User response: No action is required. This message is for information only.

**BMC30579I**  
**USING DATASET-- dataSetName**  
Explanation: dataSetName is the name of the image copy data set being used by the COPY IMAGECOPY command to make further copies. COPY PLUS will attempt to use any existing copy with the appropriate RBA.

User response: No action is required. This message is for information only.
**BMC30580I**  
**REPAIR COMPLETE. RC = returnCode**

*Explanation:* The DB2 REPAIR utility completed with a return code shown in the message.

*User response:* If RC=0, no action is required. Otherwise, the copy pending status was not reset for the table space or partition; therefore, use the REPAIR utility to reset the space.

**BMC30581E**  
**LOB SPACES ARE NOT SUPPORTED FOR THIS COMMAND**

*Explanation:* DSN1COPY of LOB table spaces are not supported.

*User response:* Use the IBM COPY utility or use the COPY PLUS option ON ERROR NOTSUPPORTED SKIP.

**BMC30582W**  
**COPY PENDING STATUS NOT RESET FOR databaseName.tableSpaceName reasonText**

*Explanation:* The target table space or index space is in copy pending status, but the status cannot be reset because:

- for table space, COPY PLUS issues this statement when DSNUM ALL is not used and the space is not partitioned but has multiple data sets
- for index spaces, COPY PLUS issues this statement when DSNUM ALL is not used and the index space has the COPY YES attribute

The *reasonText* further clarifies the message.

*User response:* When COPY PLUS makes full copies of all of the data sets, use the DB2 REPAIR utility to set the table space to NOCOPYPEND. You can alternately use the DSNUM ALL option when making the full copy. For more information, see the product documentation.

**BMC30583E**  
**SHRLEVEL CHANGE COPY IS NOT ALLOWED FOR objectName BECAUSE OF ITS NOT LOGGED ATTRIBUTE**

*Explanation:* COPY PLUS cannot make a SHRLEVEL CHANGE copy of a NOT LOGGED index or table space. This message is also issued if a SHRLEVEL CONCURRENT PREFERRED request shifts to SHRLEVEL CHANGE.

*User response:* Change the SHRLEVEL value to REFERENCE or use the EXCLUDE option to exclude NOT LOGGED spaces. Then submit the job again.

**BMC30584E**  
**SHRLEVEL CONCURRENT IS NOT ALLOWED FOR LOB**

*Explanation:* COPY PLUS cannot make a SHRLEVEL CONCURRENT copy of a LOB table space.

*User response:* Change the SHRLEVEL value to REFERENCE or use the EXCLUDE option to exclude LOB spaces. Then submit the job again.
**BMC30585E**  INDEX SPACE creator.ixName IS NOT LOGGED AND IN ICOPY STATUS AND MUST BE COPIED IN A GROUP WITH ITS TABLESPACE

*Explanation:* An image copy of a NOT LOGGED index space cannot be used to recover the index space to a point consistent with its table space unless the index space and table space are copied in the same COPY PLUS group.

*User response:* Change your COPY command to include both the index space and table space in a group using either the GROUP YES option or the INDEXES YES option.

---

**BMC30586W**  INCREMENTAL COPY ESCALATED DUE TO *explanation*

*Explanation:* A FULL NO copy was requested and was escalated to a full copy for the reason shown in *explanation*. A return code 4 is issued. For more information, see the product documentation.

*User response:* This message is a warning. Examine the information given in the *explanation* to determine if any action is required.

---

**BMC30587I**  CANNOT ESTIMATE CHANGED PAGES FOR TRACKMOD NO OR LOB SPACE, ASSUMING TOTAL PAGES

*Explanation:* COPY PLUS cannot estimate pages changed because, for TRACKMOD NO or LOB spaces, there are no modified bits in the space maps.

*User response:* No action is required. This message is for information only.

---

**BMC30588I**  ALTER DATE (*date*) LAST COPY DATE (*date*)

*Explanation:* COPY PLUS displays the ALTER date and the last COPY date. This message displays when COPY PLUS determines that a table space has been ALTERed since the last full copy. This condition forces COPY PLUS to use READTYPE FULLSCAN for any incremental copies. This message occurs until you make a new full copy or change the READTYPE to FULLSCAN.

*User response:* No action is required. This message is for information only.

---

**BMC30589W**  SPACE IS IN UTRW STATUS AND RESETMOD IS YES

*Explanation:* The target table space is in UTRW status. This indicates that a DB2 utility is running against the table space and allows concurrent read and write activity. The RESETMOD YES option is in effect for the current COPY PLUS command. If the DB2 utility is running a SHRLEVEL CHANGE, FULL NO copy, the copy could be inconsistent. The copy that COPY PLUS is making will be consistent.

*User response:* This is a warning message. If you are certain that the utility was not the type described above, no action is required. If you are unsure, check the entries in SYSIBM.SYSCOPY for the table space.

---

**BMC30590I**  CANNOT UPDATE HISTORY TABLE

*Explanation:* The HISTORY=YES installation option was in effect, but the update failed.

*User response:* Change the option to HISTORY=NO or correct the problem.
<table>
<thead>
<tr>
<th>Message Number</th>
<th>Message</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC30591I</td>
<td>READ WAITS = n, WRITE WAITS = n, OVERLAPPED WAITS = n</td>
<td>This message tells you the number of times COPY PLUS waited before read operations on the DB2 data sets completed, before write operations on the output data sets completed, or before the overlapping I/Os (read and write operations) completed. See the product documentation for a more detailed explanation. This message appears only if you specify MSGLEVEL(1).</td>
<td>No action is required. This message is for information only.</td>
</tr>
<tr>
<td>BMC30592I</td>
<td>LOG RBA = logRBA</td>
<td>This message shows the log RBA that COPY PLUS recorded in the SYSIBM.SYSCOPY table. This message appears only if you specify MSGLEVEL(1).</td>
<td>No action is required. This message is for information only.</td>
</tr>
<tr>
<td>BMC30593I</td>
<td>milestone COMPLETE, TIME = time</td>
<td>This message tells you that the specified milestone is complete. It also shows how much time elapsed before the milestone completes.</td>
<td>No action is required. This message is for information only.</td>
</tr>
<tr>
<td>BMC30594</td>
<td>statusText</td>
<td>This is a status message.</td>
<td></td>
</tr>
<tr>
<td>BMC30595I</td>
<td>FAST CATALOG ACCESS FAILED, DBID = dbid, PSID = psid, RC = returnCode</td>
<td>An internal optimization process for obtaining catalog information failed. The COPY PLUS job will still run successfully.</td>
<td>This message is for information only. No action is required. If you get this message and your copies spend a significant amount of time in the UTILINIT phase, you may want to increase the job priority. If you receive this message every time you run a job, contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC30596W</td>
<td>SYSCOPY WAS NOT UPDATED BECAUSE NO PAGES WERE COPIED</td>
<td>An incremental copy was requested with EMPTY YES (the default) but no pages qualified. No copy was made or registered.</td>
<td></td>
</tr>
</tbody>
</table>
For CUMULATIVE YES copies, qualification is based on the pages changed since the last full copy or RESETMOD YES incremental copy.

For CUMULATIVE NO copies, qualification is based on the pages changed since the last copy.

User response: No action is required. This message is for information only.

**BMC30597I**  
**CHECKTSLEVEL CHANGED FROM 2 TO 1 FOR 'FULL NO' SELECTION**  
*Explanation:* FULL AUTO or CHANGELIMIT was used and an incremental copy has been selected. CHECKTSLEVEL was set to 2, which is not available with incremental copies; so the CHECKTSLEVEL has been changed to 1.  
*User response:* No action is required. This message is for information only.

**BMC30598I**  
**ROWS OLDER THAN \(n\) DAYS DELETED FROM HISTORY TABLE**  
*Explanation:* The HISTRETN option has been exceeded. Rows older than the number of days \(n\) specified for HISTRETN are deleted from the BMC HISTORY table.  
*User response:* No action is required. This message is for information only.

**BMC30599E**  
**MESSAGE TEXT IS MISSING = message**  
*Explanation:* COPY PLUS could not find any message text for the message number shown.  
*User response:* This is an internal error. If you receive this message, contact BMC Customer Support.
Messages BMC32000 through BMC32799

This chapter includes messages for the PACLOG for DB2 product.

Messages BMC32000 through BMC32099

This group includes messages for the PACLOG for DB2 product.

**BMC32012W**  
**DATA PACKER/OS TRIAL PERIOD HAS EXPIRED**

*Explanation:* This message and message BMC32013W are issued in the started task when BCSS is started.

*User response:* PACLOG users can ignore this message.

Messages BMC32400 through BMC32499

This group includes messages for the PACLOG for DB2 product.

**BMC32402I**  
**DDNAME ddname DSNAME dataSetName**

*Explanation:* This message is generated whenever another informational, warning, or error message is issued for the data set. Its purpose is to provide identification for the data set referenced in the preceding message.

*User response:* This message is informational only.

**BMC32456W**  
**DATA ACCELERATOR COMPRESSION NON-VSAM COMPONENT HAS EXPIRED. bcssid**

*Explanation:* DATA ACCELERATOR Compression has expired. Either the trial period has been exceeded, or the product license has expired. DATA ACCELERATOR Compression continues to compress and expand all data.

*User response:* PACLOG users should ignore this message.
**BMC32459W** DATA ACCELERATOR COMPRESSION NON-VSAM COMPONENT HAS EXPIRED. DATA WILL NOT BE COMPRESSED. **bcssid**

Explanation: The trial period for DATA ACCELERATOR Compression has expired and the executing CPU ID was not found in the security tables for the product. DATA ACCELERATOR Compression continues to expand all compressed data but does not compress data placed into the data set.

User response: PACLOG users should ignore this message.

**BMC32490E** ABEND **abendCode** OCCURRED DURING SVC SVCNumber PROCESSING

Explanation: Possible internal error. The specified abend was detected during the processing of the specified SVC. Generally, this message is issued because a job or TSO user has abnormally ended during open (SVC 19) or close (SVC 20) processing. BCSS has established an ESTAE routine in these SVCs, and is reporting that the user of the SVC is abnormally terminating. BCSS has not caused this abend; it is only reporting the abend. Processing continues.

User response: No action is required.

**Messages BMC32700 through BMC32799**

This group includes messages for the PACLOG for DB2 product.

**BMC32740E** OPEN FAILED UNDER PPO BECAUSE DATA SET PROFILE NOT CREATED BY API **bcssid**

Explanation: Compression services are running in PACLOG Processing Only (PPO) mode, but an attempt was made to open a data set compressed by a product other than PACLOG. See message BMC32402I to identify the name of the compressed data set. Open processing fails.

User response: If you need to access this compressed data set, you must take the following actions: If the BMCP and BCSS started tasks are not running, start them again. After they are running, issue the following MVS console commands to turn off PPO mode and re-enable compression:

```
bcssid DAC PPO OFF
bcssid DAC ENABLE ATTACH
bcssid DAC ENABLE LINK
```
Messages BMC40000 through BMC40999

This chapter includes messages for the RECOVER PLUS for DB2 product, and because RECOVER PLUS is a component of the Recovery Management for DB2 product, for Recovery Management as well.

Messages BMC40000 through BMC40999

For the RECOVER PLUS for DB2 product, this topic explains each message in the designated range.

BMC40001I  UTILITY EXECUTION STARTING date time
Explanation:  This is the start message for the BMC RECOVER PLUS product. The system date and time are given.
User response:  No action is required.

BMC40002I  UTILITY ID = utilityID. DB2 SUBSYSTEM ID = ssid.
Explanation:  This message confirms the utility ID and DB2 subsystem ID you have specified.
User response:  No action is required.

BMC40003E  UTILITY WITH ID utilityID ALREADY EXISTS
Explanation:  The utility ID you specified is already in use.
User response:  You must run with RESTART or NEW to reuse the utility ID of a failed job. You can query your BMCUTIL and BMCSYNC tables to see what activity used the ID.

BMC40004I  UTILITY TERMINATION REQUESTED
Explanation:  The utility was started with a TERM parameter requesting termination of an execution of the utility. All rows for the utility ID will be
deleted from the BMCUTIL and BMCSYNC tables. No indication is given when no rows are found.

User response: No action is required.

**BMC40005**

I UTILITY EXECUTION COMPLETE date time, RETURN CODE = returnType

Explanation: The execution of the utility has completed with a return code of 0 or 4 (warning).

User response: If the return code is 4 indicating a warning, search for BMC40 nnnW in your output, specifically in AFRERR. The warning message will probably not occur immediately preceding this message. If you have the output online, search for a W in columns 9/10.

**Note**

If a message is produced with a severity of E or S, the product may execute error recovery. This error recovery, if successful, may cause the final return code to be lower than would normally be expected. (For example, a message with a severity of S would have a return code of zero.) In other situations, a message may be issued with a severity indicator that indicates it is the final return code. Despite the error, processing may continue and additional messages may be issued preceding termination as the utility cleans up any outstanding activities.

**BMC40006i**

UTILITY EXECUTION TERMINATING date time, RETURN CODE = returnType

Explanation: The utility terminated with an error or warning.

User response: If this return code is 8 or 12 indicating an error, search for an error message in your output, specifically in AFRERR. Note that RECOVER PLUS may continue to recover some objects after a failure on another object. Therefore, the error message may not occur immediately preceding this message. If you had an error, correct it, then restart the utility. If you have the output online, search for an E or S in columns 9/10.

**BMC40007i**

SYNCPOINT RESTART REQUESTED

Explanation: The restart execution parameter was specified as RESTART and the utility attempts a sync point restart.

User response: No action is required.

**BMC40008i**

UTILITY REPLACEMENT ('NEW') REQUESTED

Explanation: The restart execution parameter was specified as NEW. The utility deletes any existing recover utility with this name from the BMCUTIL table and starts as a new utility.

User response: No action is required.
**BMC40009I**  
UTILITY NEW/RESTART REQUESTED--SYNCPOINT RESTART WILL OCCUR IF UTILID IS IN BMCUTIL  

*Explanation:* The restart execution parameter was specified as NEW/RESTART and the utility attempts a sync point restart if the utility ID exists; otherwise, the utility is started as a new utility.  

*User response:* No action is required.

**BMC40010E**  
OBJECT IN DSNUM ALL ACTIVITY BUT RECENT COPY FOUND FOR A SPECIFIC DATA SET  

*Explanation:* This message can occur when you request a DSNUM ALL recovery of a multi-data-set, nonpartitioned space. For this kind of recovery, RECOVER PLUS requires either a DSNUM ALL copy or a set of copies for all of the data sets, each with the same START_RBA value. This message reports a violation of this last condition.

For incremental copies for nonpartitioned indexes, these copies should be made with the IXDSNUM=ALL. If made with the IXDSNUM=DATASET option, the RECOVER statements must specify the data set number on the RECOVER statement.

If a nonpartitioned index is copied with IXDSNUM=ALL, the RECOVER syntax should be:

```
RECOVER INDEX IX.A
```

or

```
RECOVER INDEX IX.A DSNUM ALL
```

If a nonpartitioned index is copied with IXDSNUM=DATASET, the RECOVER syntax should be:

```
RECOVER INDEX IX.A DSNUM n
```

or

```
RECOVER INDEX IX.A DSNUM n:n (more than one data set to be recovered)
```

*User response:* Resubmit the request by data set or consider other recovery strategies based on the image copies that you have available.

**BMC40011I**  
UTILITY PHASE RESTART REQUESTED  

*Explanation:* The restart execution parameter was specified as RESTART(PHASE) and the utility is attempting to restart at the beginning of the last incomplete phase.

*User response:* No action is required.
BMC40012I  phase PHASE result. ELAPSED TIME = time, TIME SINCE UTILITY START = time

Explanation: The phase of the execution has completed. Elapsed times (in hours, minutes, and seconds) for the phase and the utility are shown. result has a value of either COMPLETE or ABORTED.

User response: If result is COMPLETE, no action is required. If result is ABORTED, check for other messages.

BMC40013I  restartType RESTART WILL OCCUR BECAUSE UTILID utilityID EXISTS IN BMCUTIL

Explanation: If restartType is SYNCPOINT, the restart execution parameter was specified as NEW/RESTART and an entry was found in the BMCUTIL table; the utility attempts a SYNCPOINT restart. If restartType is PHASE, the restart execution parameter was specified as NEW/RESTART(PHASE) and an entry was found in the BMCUTIL table; the utility attempts to start at the beginning of the last incomplete phase.

User response: No action is required.

BMC40014I  RESTART WILL NOT OCCUR BECAUSE UTILID utilityID WAS NOT FOUND IN THE BMC UTILITY TABLE

Explanation: The restart execution parameter was specified as RESTART or RESTART(PHASE) but no entry for the utility ID shown in the message was found in the BMCUTIL table. The utility terminates.

User response: Correct the values of the RECOVER PLUS and R+/CHANGE ACCUM restart execution parameters and submit the failing run again.

BMC40015I  PROCESSING Fallback FROM type COPY dataSetName (X’logPoint’):

Explanation: RECOVER PLUS is restarting. A fallback occurred during one of the original runs. It is simulated during planning so that bad copies are not allocated again. type is either FULL or INCREMENTAL.

User response: No action is required.

BMC40016I  phase PHASE STARTING date time

Explanation: The named phase is starting. The date and time are shown.

User response: No action is required.

BMC40017E  INVALID UTILITY PARM: value

Explanation: The value shown has no meaning in the execution parameters for this utility.

User response: Check the order and value of your RECOVER PLUS and R+/CHANGE ACCUM execution parameters.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message Text</th>
<th>Explanation</th>
<th>User Response</th>
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<tbody>
<tr>
<td>BMC40018I</td>
<td><strong>RECOVER PLUS FOR DB2 version</strong>&lt;br&gt;Explanation: This message gives version information.&lt;br&gt;User response: No action is required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMC40019W</td>
<td><strong>INCOMPATIBLE COMMON CODE VERSION</strong>&lt;br&gt;Explanation: The common code (SCC) version that you are running is incompatible with this version of RECOVER PLUS.&lt;br&gt;User response: Contact BMC Customer Support for the correct version information and install the appropriate version of the common code.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMC40020I</td>
<td><strong>text</strong>&lt;br&gt;Explanation: The text shown is output from a facility used by this product (for example, DB2 SQL, DB2 Call Attachment Facility, or IDCAMS).&lt;br&gt;User response: Refer to the RECOVER PLUS and R+/CHANGE ACCUM parameters referenced in the message.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMC40021W</td>
<td><strong>THE START COMMAND ABOVE FAILED, BUT EXECUTION WILL CONTINUE.</strong>&lt;br&gt;Explanation: RECOVER PLUS has issued a DB2 command to start a space after recovery. The start failed for a reason that is explained in preceding messages.&lt;br&gt;User response: To allow processing to resume on the space, issue the START command from an MVS console.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMC40022I</td>
<td><strong>FIRST CHOICE IMAGE COPY (type) NOT FOUND FOR (DSNUM n OF) objectName.</strong>&lt;br&gt;Explanation: A row for a backup image copy has been found in the SYSCOPY table (for table spaces and COPY YES indexes) or BMCXCOPY (for COPY NO indexes) without a row for the corresponding primary copy. This message is followed by message BMC40052.&lt;br&gt;User response: The RECOVER PLUS job should have completed successfully. This is an informational message but it could indicate the existence of a problem in the SYSCOPY table, BMCXCOPY table, DB2, or RECOVER PLUS. You may want to check your RESOURCE SELECTION COPIES specification.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMC40023I</td>
<td><strong>ERROR EXTRACTING DSNTIAR DATA CODE = code ANY AVAILABLE TEXT FOLLOWS:</strong>&lt;br&gt;Explanation: An SQL error was received, but an attempt to call DSNTIAR to explain the error failed.&lt;br&gt;User response: Contact BMC Customer Support with the values of code shown in the message.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
BMC40024I  SUCCESSFUL CONNECT TO ssid (RELEASE n.n OF DB2) USING PLAN planName

Explanation:  This informative message gives the DB2 subsystem ID (ssid), version (n.n), and the plan name (planName) in use.

User response:  No action is required.

BMC40025I  OUTPUT FROM COMMAND 'commandName' FOLLOWS:

Explanation:  A DB2 command (commandName) was issued. Output from this command follows the message.

User response:  If an error has occurred, use the information from the command output to resolve the error.

BMC40026I  NO OUTPUT FROM COMMAND 'commandName'

Explanation:  A DB2 command commandName was issued and returned no output.

User response:  This is probably an internal error. Contact BMC Customer Support.

BMC40027I  CATALOG RETURN CODE returnCode (FEEDBACK CODE = feedbackCodeValue) LISTING dataSetName

Explanation:  An error occurred while accessing catalog information for dataSetName.

User response:  Note the values of returnCode and feedbackCodeValue and then contact BMC Customer Support.

BMC40028I  UTILID utilityID ORIGINALLY TERMINATED BEFORE COMPLETING ANALYZE PHASE. RESTART WILL BE TREATED AS A NEW RUN

Explanation:  The restart parameter was specified as RESTART, RESTART(PHASE), or NEW/RESTART. However, the original utility run failed before completing the analyze phase. The run will be started as a new utility.

User response:  Your spaces may have been stopped before the utilityID terminated. Ensure that your spaces are in the proper status.

BMC40029I  ASSOCIATION FOR DATASET dataSetName IS NOT THE CLUSTER NAME

Explanation:  There was an illogical association in the MVS catalog for the data set dataSetName. RECOVER PLUS is attempting to delete and redefine the data set because the space is STOGROUP-defined.

User response:  No action is required if deleting and redefining the data set succeeds. If the RECOVER PLUS execution fails, contact BMC Customer Support.
RECOVER PLUS WILL DELETE AND REDEFINE dataSetName

Explanation: In spite of unusual return conditions from an access of the MVS catalog, RECOVER PLUS is continuing an attempt to delete and redefine the data set for the STOGROUP-defined space.

User response: No action is required if deleting and redefining the data set succeeds. If this process fails, attempt to delete the data set using system facilities and rerun the job.

A VOLUME OF DATASET dataSetName IS NEITHER PRIME NOR CANDIDATE

Explanation: There was an illogical type for a volume for the data set dataSetName. RECOVER PLUS is attempting to delete and redefine the data set because the space is STOGROUP-defined.

User response: No action is required if deleting and redefining the data set succeeds.

BAD RETURN CODE returnCode FROM SMS CODE. SMS RC = smsReturnCode, REASON = reasonCode

Explanation: The utility attempted to determine if SMS is installed. An internal error has occurred.

User response: Contact BMC Customer Support.

BAD RC returnCode CHECKING dataSetName FOR SMS CONTROL. SMS RC = smsReturnCode, REASON = reasonCode

Explanation: The utility attempted to determine if the data set dataSetName is SMS-controlled. An internal error has occurred.

User response: Contact BMC Customer Support.

BUILDINDEX FOR INDEX creator.ixName WAS REQUESTED BUT NO PARTS HAVE YET BEEN UNLOADED

Explanation: A request to build the index identified was made with a RECOVER BUILDINDEX statement. However, the BMCSYNC table does not indicate that the keys have been unloaded. The job continues and the specified key data sets will be used if they have proper header blocks. This message can appear under the following conditions:

- The UNLOADKEYS run for the indexes to be built was restarted.
- The UNLOADKEYS run terminated with a return code other than 0.
- The BUILDINDEX run was rerun.

User response: Check the RECOVER UNLOADKEYS jobs if they were submitted. If the index has not had its keys unloaded, either perform this operation for each partition, or submit a REBUILD INDEX job for the index.
BMC40035I  NORMAL INITIALIZATION REQUESTED (NO RESTART PARAMETER SPECIFIED)
Explanation: No restart parameter was specified on the utility EXEC statement.
User response: No action is required.

BMC40036I  UTILITY NEW/RESTART(PHASE) REQUESTED--PHASE RESTART WILL OCCUR IF UTILID IS PRESENT IN BMCUTIL
Explanation: The restart parameter on the EXEC statement was given as NEW/RESTART(PHASE). If an entry is found in the BMCUTIL table, a phase restart occurs. If no entry is found in BMCUTIL, the utility starts as a new utility.
User response: No action is required.

BMC40037I  UTILID utilityID WAS NOT FOUND IN THE BMCUTIL TABLE--UTILITY WILL RUN AS IF 'NEW' WERE SPECIFIED
Explanation: The restart parameter was either NEW/RESTART or NEW/RESTART(PHASE) on the EXEC statement. However, no entry was found in the BMCUTIL table. The utility starts as a new utility.
User response: No action is required.

BMC40038E  THERE IS ALREADY A utilityType UTILITY WITH UTILID utilityID, FOR SPACE databaseName.spaceName, IN PHASE
Explanation: A space requested for this execution of RECOVER PLUS is in use by another utility. The utility type, utility ID, and space name are shown. Message BMC40039 shows the phase, command number, and restart code.
User response: Determine the status of the other utility and restart it, terminate it, or wait for it to complete before running this job.

BMC40039I  phase AND COMMANDNO commandNumber. RESTART = code
Explanation: This message is issued with message BMC40038, and identifies the phase, command number, and restart code (Y or N) for the utility identified in the previous message.
User response: See message BMC40038.

BMC40040E  field DIFFERENT FROM ORIGINAL RUN
Explanation: The value of field in the restarted run is different from its value in the original run for the table space or index identified in a subsequent BMC40044 or BMC40055 message. This is invalid for a restart.
User response: Change the field value back to the value originally specified and submit the job again.
**BMC40041W** THE HPGINSHF FIELD AT OFFSET X'79' IS integer, WHICH CONFLICTS WITH THE PIECESIZE VALUE IN THE DB2 CATALOG

Explanation: The utility has detected a discrepancy between the value in the index header page, and the PIECESIZE of the index from the DB2 catalog. This message is followed by message BMC40228. This warning can be issued if a RECOVER INDEX is attempted for an index that was loaded or reorganized using BMC products; in this case, the warning can be ignored.

User response: If you have not altered PIECESIZE before recovering, ignore the message. If you did ALTER PIECESIZE, refer to the description of message BMC40237.

**BMC40042I** THE FOLLOWING OBJECTS ARE INVALID FOR RESTART:

Explanation: This message provides a list of objects that are invalid for restart.

User response: No action is required.

**BMC40043I** THE FOLLOWING OBJECTS ARE ACCEPTED FOR RESTART:

Explanation: This message provides a list of objects that are accepted for restart.

User response: No action is required.

**BMC40044E** RESTART INVALID FOR TABLESPACE databaseName.tableSpaceName

Explanation: The table space shown is invalid in the restart syntax, because some value has changed that cannot be changed for restart processing. Message BMC40040 identifies the invalid value.

User response: Change the values back to the values specified for the original run and submit the job again.

**BMC40045E** RESTART INVALID FOR INDEX creator.ixname

Explanation: The index space shown is invalid in the restart syntax, because some value has changed that cannot be changed for restart processing.

User response: Change the values back to the values specified for the original run and submit the job again.

**BMC40046E** (DSNUM dsNum OF) TABLESPACE databaseName.tableSpaceName - instanceNumber WAS NOT PRESENT IN THE PRIOR RUN--RESTART IS INVALID

Explanation: The table space (or table space data set) shown has been added to the syntax for the utility execution. You may not add spaces when restarting the utility. (If the table space has multiple data sets, the value dsNum is shown.)

User response: If the space shown needs to be recovered, submit a new utility. You may restart the existing utility if you do not add spaces to the original statement.
BMC40047E  (DSNUM dsNum OF) INDEX creator.ixname-instanceNumber WAS NOT
PRESENT IN THE PRIOR RUN--RESTART IS INVALID

Explanation:  The index space shown has been added to the syntax for the
utility execution. You may not add spaces when restarting the utility.

User response:  If the space shown needs to be recovered, submit a new utility.
You may restart the existing utility if you do not add spaces to the original
statement.

BMC40048I  (DSNUM dsNum OF) TABLESPACE databaseName.tableSpaceName
-instanceNumber WAS PRESENT IN THE ORIGINAL RUN--IT WILL BE
IGNORED

Explanation:  The restart parameter was RESTART, RESTART(PHASE), NEW/
RESTART, or NEW/RESTART(PHASE). The table space (or table space data
set) shown was in the execution of RECOVER PLUS that is being restarted. The
recover is restarted without the space shown. (If the table space has multiple
data sets, the value dsNum is shown.)

User response:  When you restart RECOVER PLUS, you may omit objects
specified in the original run. The object is in an unknown state.

BMC40049I  (DSNUM dsNum OF) INDEX creator.ixname-instanceNumber WAS
PRESENT IN THE ORIGINAL RUN--IT WILL BE IGNORED

Explanation:  The restart parameter was RESTART, RESTART(PHASE),
NEW/RESTART, or NEW/RESTART(PHASE). The index space shown was in
the execution of RECOVER PLUS that is being restarted. The utility is restarted
without the space shown.

User response:  When you restart RECOVER PLUS, you may omit objects
specified in the original run. The object is in an unknown state.

BMC40050E  BUILDINDEX databaseName.ixspname (INDEX creator.ixname) WAS
REQUESTED BUT ALL THE PARTS HAVE NOT YET BEEN UNLOADED

Explanation:  The utility requests BUILDINDEX for the index shown. However,
the BMCSYNC table does not indicate that UNLOADKEYS was run for all of
the partitions of the table space.

User response:  Run RECOVER UNLOADKEYS for each partition before
submitting the RECOVER BUILDINDEX run. If you are sure you have a valid
key data set from each partition of the table space, you can delete the row for
the index from the BMCSYNC table (the UTILID column is blank). You will get
a warning message (BMC40034), but RECOVER PLUS will successfully execute
the BUILDINDEX request.

BMC40051W  UNLOADKEYS REQUESTED FOR dsNum OF INDEX creator.ixname,
PREVIOUSLY UNLOADED BY ANOTHER JOB

Explanation:  The RECOVER UNLOADKEYS job requested keys for the
partitions and index shown that have already been unloaded by a previous job.
If there are more than two such partitions, the message will show only two of them. The job will continue.

User response: Check the job being submitted to ensure you are processing the correct partitions and index.

BMC40052I BACKUP CHOICE dataSetName (type) (AT X'logPoint') WILL BE USED INSTEAD

Explanation: A row for a backup image copy has been found in the SYSCOPY table (for table spaces and COPY YES indexes), or in BMCXCOPY (for COPY NO indexes), without a row for the corresponding primary copy. This message follows message BMC40022 and describes the backup image copy that will be used.

User response: The RECOVER PLUS run should end normally. You may want to check any values you specified for RESOURCE SELECTION COPIES.

BMC40053W action INDEX REQUESTED FOR creator.ixname-instanceNumber, FOR WHICH THE PARTS HAVE BEEN PREVIOUSLY UNLOADED

Explanation: The utility input includes an action INDEX request for the index shown, where the action is a RECOVER.

User response: You can choose to clean up BMCUTIL and BMCSYNC tables for a successful RECOVER, or continue with RECOVER UNLOADKEYS and RECOVER BUILDINDEX activity.

BMC40054E BUILDINDEX creator.ixname-instanceNumber WAS REQUESTED BUT UTILID utilityID IS CURRENTLY UNLOADING THE KEYS

Explanation: A request for a RECOVER BUILDINDEX was made for the index shown. An entry in the BMCSYNC table indicates that another job with the utility ID shown is currently executing the UNLOADKEYS function on this index. This could be caused by a RECOVER UNLOADKEYS run that did not successfully complete; this run could possibly be restarted.

User response: Wait until all RECOVER UNLOADKEYS jobs have completed successfully before submitting a RECOVER BUILDINDEX run.

BMC40055W UNLOADKEYS REQUESTED FOR part(s) OF INDEX creator.ixname, CURRENTLY BEING UNLOADED BY utilityID

Explanation: Some partitions requested for RECOVER UNLOADKEYS are also being unloaded by another BMC utility, whose utility ID is shown.

User response: Check the JCL for your RECOVER UNLOADKEYS jobs to determine if all partitions are properly unloaded.

BMC40056E action INDEX REQUESTED FOR creator.ixname-instanceNumber, FOR WHICH THE PARTS ARE CURRENTLY BEING UNLOADED BY utilityID

Explanation: The utility input includes an action INDEX request for the index shown, where the action is either a REBUILD, RECOVER, LOGSCAN, or ACCUM.
When action is REBUILD and an entry in the BMCSYNC table indicates that another BMC utility with the ID utilityID is unloading the keys from one or more table space partitions, this message is an error (E) message.

When action is RECOVER, LOGSCAN, or ACCUM, this message is a warning (W) message.

User response: When action is REBUILD and a RECOVER UNLOADKEYS job is running, allow it to finish and then set up a RECOVER BUILDINDEX job for all of the collected keys. If you wish to terminate the RECOVER UNLOADKEYS job, or it is no longer running, you may submit a job to delete the utility from the BMCUTIL and BMCSYNC tables. Then submit your request again.

If the action is LOGSCAN or ACCUM, no action is required and RECOVER UNLOADKEYS and BUILDINDEX activity continues.

If the action is RECOVER, you can choose to clean up BMCUTIL and BMCSYNC tables for a successful RECOVER, or continue with RECOVER UNLOADKEYS and RECOVER BUILDINDEX activity.

BMC40057E JOB CANNOT GET EXCLUSIVE CONTROL OF description--UTILID utilityID (utilityName) IS ACCESSING IT

Explanation: The utility requires exclusive control of the object described. description is formatted in one of the following ways:

- TP databaseName.tableSpaceName DSNUM dsNum
- TP databaseName.tableSpaceName
- IP creator.ixname PART part
- IP creator.ixname

The BMCSYNC table indicates that this object is held for exclusive or shared use by another utility utilityID (utilityName) where utilityName is the name of the other utility.

If utilityID is blank and utilityName is RECOVER, this object has been processed by a RECOVER UNLOADKEYS command, but RECOVER BUILDINDEX has not yet been executed.

User response: Wait until the other utility has completed before submitting this utility. If you want to terminate the RECOVER UNLOADKEYS/BUILDINDEX process described in the explanation above without running RECOVER BUILDINDEX, refer to “Cleaning Up RECOVER UNLOADKEYS Entries” in the RECOVER PLUS for DB2 Reference Manual.
**BMC40058E**  
**JOB CANNOT ACCESS** description--**UTILID utilityID (utilityName) HAS EXCLUSIVE CONTROL**

*Explanation:* The utility needs access to the object described. The description is formatted in one of the following ways:

- TP `databaseName.tableSpaceName DSNUM dsNum`
- TP `databaseName.tableSpaceName`
- IP `creator.ixname PART part`
- IP `creator.ixname`

The BMCSYNC table indicates that this object is held for exclusive or shared use by another utility `utilityID (utilityName)` where `utilityName` is the name of the other utility.

*User response:* Wait until the other utility has completed before submitting this utility.

**BMC40059I**  
**UTILITY utilityID HAS BEEN CANCELLED DURING EXECUTION BY BEING REMOVED FROM THE BMCUTIL TABLE**

*Explanation:* At a checkpoint time, an entry for this utility was not found in the BMCUTIL table. The utility terminated.

*User response:* No action is required. If you believe termination of the utility was in error, contact BMC Customer Support.

**BMC40060I**  
**PENDING FLAG status action FOR**

*Explanation:* The object was either set or reset to the status indicated for the specified action.

*User response:* No action is required.

**BMC40061I**  
**LOG APPLY ONLY BUT PROCESSING WILL BEGIN AT REORG LOG YES**

*Explanation:* A REORG LOG YES was encountered after the FROMRBA specified in the LOGAPPLY ONLY or after the log point stored in the table space header during a LOGONLY recovery. RECOVER PLUS begins processing at the point of the REORG LOG YES.

*User response:* No action is required.

**BMC40062I**  
**LOG APPLY ONLY BUT PROCESSING WILL BEGIN AT LOAD REPLACE LOG YES**

*Explanation:* A LOAD REPLACE LOG YES was encountered after the FROMRBA specified in the LOGAPPLY ONLY or after the log point stored in the table space header during a LOGONLY recovery. RECOVER PLUS begins processing at the point of the LOAD REPLACE LOG YES.

*User response:* No action is required.
BMC40063E  UNEXPECTED SQLCODE = returnCode

Explanation:  A SQL statement used by the utility received an error.
User response:  Examine other messages to determine the effect on your utility run. Contact BMC Customer Support for assistance.

BMC40064S  KEY WORK FILE HAS NOT BEEN WRITTEN, BLKSIZE = 0

Explanation:  A data set specified as a key work file for a RECOVER BUILDINDEX does not have a proper block size.
User response:  Examine the run that created the key work files to be sure they completed successfully. If the run is not a RECOVER BUILDINDEX, contact BMC Customer Support.

BMC40065S  UNSUCCESSFUL CONNECT TO ssid USING PLAN planName

Explanation:  The subsystem and plan name for an attempted connection are shown. The utility was unable to connect to DB2.
User response:  Review the accompanying DB2 Call Attachment Facility (CAF) messages. The plan may not be bound on the specified subsystem given or you are not authorized to execute the plan. If the plan name appears incorrect, check the options module assembled for the utilities to determine the plan name.

BMC40066I  TIME TO READ SYSLGRNX WAS hh:mm:ss

Explanation:  This message is for information only and tells you how much time was spent reading SYSLGRNX to retrieve log ranges for recovery. It is followed by a BMC40904 message giving you more information about SYSLGRNX I/O. This message is printed only if MSGLEVEL(1) or higher is specified.
User response:  No action is required.

BMC40067I  DB2 ssid IS MEMBER memberName IN DATA SHARING GROUP groupName.

Explanation:  This message is issued if you run RECOVER PLUS or R+/CHANGE ACCUM on a data sharing subsystem.
User response:  No action is required.

BMC40068I  THE KEYS FOR INDEX creator.ixname WILL GO DIRECTLY TO THE SORT BECAUSE THERE IS NO SYSUT1 DD STATEMENT IN THE JCL

Explanation:  You have specified REBUILD INDEX for the index named, and you specified neither WORKDDN nor NOWORKDDN. Because there is no SYSUT1 DD statement in your JCL, NOWORKDDN is the default.
User response:  No action is required.
BMC40069E  THE ROW FOUND AT OFFSET X'\text{hexOffset}' IN DATA PAGE X'\text{hexPageNumber}' OF THIS PARTITION DOES NOT MATCH THE OBID OF THE TABLE

Explanation:  You are executing REBUILD INDEX or RECOVER UNLOADKEYS for one or more indexes defined on the table space being recovered, and you have specified OBIDXLAT with an incorrect source OBID.

User response:  Correct the OBID specification and resubmit the RECOVER PLUS run.

BMC40070I  FOR THE FOLLOWING INDEXES WHICH HAVE KEYS SORTING TOGETHER:

Explanation:  A list of indexes sorted together follows this message.

User response:  No action is required.

BMC40071I  NO ESTIMATE SPECIFIED WITH AN ESTIMATED OR ABSOLUTE VALUE OR CALCULATION REQUEST

Explanation:  Conflicting NUMREC specifications are coded for multiple indexes on the same table space. All indexes for this space will be sorted without an estimated file size.

User response:  No action is required.

BMC40072I  ESTIMATED VALUE OR REQUEST FOR CALCULATION SPECIFIED WITH ABSOLUTE VALUE

Explanation:  Conflicting NUMREC specifications are coded for multiple indexes on the same table space. All indexes for this space will be sorted with an estimated file size.

User response:  No action is required.

BMC40073S  THE SYSLGRNX TABLESPACE IS NOT IN THE MVS CATALOG

Explanation:  No catalog entry was found for the data set containing the SYSLGRNX table. RECOVER PLUS terminates with return code 12.

User response:  Contact BMC Customer Support.

BMC40074I  RETURN CODE returnCode FROM MVS CATALOG INQUIRY FOR SYSLGRNX. FEEDBACK CODE = X'\text{hexCode}'. RETRIEVAL WILL PROCEED

Explanation:  A catalog inquiry to retrieve information from the MVS catalog about the SYSLGRNX space failed. Execution of RECOVER PLUS continues, but this message may indicate a problem with the DB2 subsystem, the MVS catalog, or RECOVER PLUS.

User response:  Contact BMC Customer Support.
**BMC40075S**  
**MVS CATALOG INQUIRY RETURNED A BLOCKSIZE OF blocksizeValue FOR THE SYSLGRNX TABLESPACE**

*Explanation:* The SYSLGRNX space should have a block size of 4096 bytes, and MVS catalog retrieval indicates this is not true. RECOVER PLUS will terminate with return code 12.

*User response:* Contact BMC Customer Support.

**BMC40077W**  
**A START ACCESS (FORCE) MUST BE ISSUED FOR THIS SPACE**

*Explanation:* This message is generated due to one of the following reasons: 1) RECOVER PLUS has issued a DB2 START ACCESS(FORCE) command because the space had an error range (WEPR) or the space had a status of DEFER, GRECP or LPL. The command failed for a reason that is explained in preceding messages. 2) RECOVER PLUS did not issue the START ACCESS(FORCE) because RDB2STAT was set to NO.

*User response:* Issue the START ACCESS(FORCE) command from an MVS console.

**BMC40078W**  
**THE FOLLOWING INDEX SPACE WILL REMAIN STOPPED DUE TO AN ORIGINAL STATUS OF LSTOP**

*Explanation:* A logical partition of a type 2 nonpartitioned index was stopped (LSTOP). RECOVER PLUS will not set the index space to the original status. The index has been recovered successfully.

*User response:* Start the index space with the desired access.

**BMC40079I**  
**YOU HAVE SPECIFIED A ‘RESOURCE SELECTION LOGS’ OPTION WHICH DOES NOT INCLUDE ANY ARCHIVES**

*Explanation:* This message follows a BMC40578 message that was issued because log ranges necessary to your recovery could not be found. This message means that you included an OPTIONS RESOURCE SELECTION LOGS statement that specified that archive logs are not to be read. The log ranges missing are probably no longer on the active logs.

*User response:* Add an ARC1 and possibly an ARC2 specification to your RESOURCE SELECTION LOGS option, and restart your utility execution. If this does not correct your missing log symptom, please contact BMC Customer Support.

**BMC40080I**  
**SPACE tableSpaceName (DSNUM dsNum) HAS HIGH ALLOCATED RBA=X’vsamHARBA’ (X’recordedHARBA’ AT LAST SYNC)**

*Explanation:* The utility was restarted. At the last sync point, a VSAM high allocated relative byte address (HARBA) was recorded for the space and data set shown. However, the current value of the VSAM HARBA is less than this recorded value. It is possible that the data set was changed between the original utility run and the restart run. This message may also indicate an internal error.

*User response:* Remove this object from the restarted run and process it in a new utility. You can do this by either completing this restart run without this
object and then starting a new utility for this object, or by manually deleting the BMCSYNC entry for the table space.

**BMC40081I** SPACE `tableSpaceName (DSNUM dsNum)` DOES NOT HAVE SYNC ROW FOR LOG APPLY

*Explanation:* An internal error has occurred during restart processing.
*User response:* Contact BMC Customer Support.

**BMC40082I** THIS RUN WILL NOT RESTORE THE DB2 STATUS OF THE FOLLOWING SPACE BECAUSE UTILID `utilityID` IS USING IT

*Explanation:* The table space or index space shown will not be restored to its original status. Another BMC utility is shown on the object.
*User response:* The space will be restored to its original status after all utilities complete. If you need assistance, contact BMC Customer Support.

**BMC40083W** THE DB2 STATUS OF `object` WILL NOT BE RESTORED BECAUSE `object` IS IN CHECK PENDING STATUS

*Explanation:* The table space or index space shown will not be restored to its original status by the utility. The object (or some part of the object) has a flag showing pending of the status shown.
*User response:* When you are ready to bring the object back online, use an START ACCESS(FORCE) command.

**BMC40084E** PRODUCT `productName` IS NOT INSTALLED. A LICENSE IS REQUIRED BECAUSE OF STATEMENTS IN THE SYsin CONTROL CARDS

*Explanation:* You do not have a valid password for the product code included in the message. You need a license to include a command found in your control cards. In particular, if you specify an ACCUM command, you must have a valid password for either R+/CHANGE ACCUM for DB2 or Recovery Management for DB2. More information about the license check may be found in other messages from the utility or the JES log for the job.
*User response:* Remove the ACCUM commands or ensure that your STEPLIB includes a load library that contains your password module for ACA or RMD.

**BMC40085E** VERSION MISMATCH - PROGRAM IS VERSION `programVersion`, OPTIONS IS VERSION `optionsVersion`

*Explanation:* A mismatch was detected between the utility load module and the options module (ARFSOPTS).
*User response:* Make sure that the options module was created using the assembly job that copied the load module from the installation tape. Check this by looking at the first STEPLIB, JOBLIB, or LINKLIB list that contains the options module and the first STEPLIB, JOBLIB, or LINKLIB list that contains the load module.
BMC40086U  UNABLE TO LOAD MODULE *moduleName*

*Explanation:* An attempt to load the options module with the specified name failed.

*User response:* Make sure the options module is assembled and placed in the STEPLIB, JOBLIB, or LINKLIB list concatenation and resubmit the job.

BMC40087S  REQUIRED INPUT COPIES SHARE THE STACKED TAPE AND CAN NOT BE USED FOR MERGE OPERATION

*Explanation:* RECOVER PLUS requires parallel access to all copies involved in a merge operation. There are two or more copies required but shared on the stacked tape. RECOVER PLUS does not support such recovery requests.

*User response:* Make sure that input copies required to recover any single space do not share a stacked tape.

BMC40088I  WAIT TIME FOR SORT OUTPUT PHASE = hh:mm:ss

*Explanation:* This message documents the time taken in the first wait for a sort. The first phase after a sort must wait for the sort output phase to complete. The phase can be either a merge phase (after a log sort) or a build (after an index sort).

*User response:* No action is required.

BMC40089E  ALL ROWS FOR UTILID utilityID WILL BE DELETED FROM BMCUTIL AND BMCSYNC BECAUSE OF CONCURRENCY PROBLEMS

*Explanation:* The utility has encountered concurrency problems with another BMC utility that prevented the utility from starting. Any rows inserted in the BMCUTIL or BMCSYNC tables before this error was detected are deleted.

*User response:* Additional messages will detail the specific concurrency problem. Take appropriate action based on those messages. Some examples of such additional messages are BMC40050, BMC40057, and BMC40058.

BMC40090E  UNLOADKEYS creator.ixname PART part WAS NOT REQUESTED IN THE ORIGINAL RUN--INVALID IN RESTART

*Explanation:* The restart of this utility requests RECOVER UNLOADKEYS for the index and partition shown. This request was not in the original run.

*User response:* Start this utility as NEW, or remove the additional object from the restart run.

BMC40091I  date time type CHECKPOINT TAKEN FOR phaseName PHASE

*Explanation:* The type of checkpoint shown was taken at the date and time shown in the phase shown.

*User response:* No action is required.
BMC40092W  **UNLOADKEYS FOR creator.ixname-instanceNumber REQUESTED BUT UTILID utilityID HAS EXCLUSIVE CONTROL OF THE INDEX**

*Explanation:* The utility ID shown has exclusive control of an index for which this utility execution is requesting RECOVER UNLOADKEYS.

*User response:* The RECOVER UNLOADKEYS does not require control of the index, but you should check the utility ID shown because control will be required when RECOVER BUILDINDEX is run.

BMC40093E  **RETURN CODE returnCode FROM SWAREQ–TRY INCREASING REGION SIZE**

*Explanation:* An invalid return code was issued when the utility issued a SWAREQ.

*User response:* Contact BMC Customer Support.

BMC40094I  **ATTEMPTING TO CONNECT TO DB2 SUBSYSTEM ssid, USING PLAN planName**

*Explanation:* The utility has attempted to connect to the DB2 subsystem shown with the plan name shown.

*User response:* No action is required if the connection is successful. If the connection is not successful, check the subsystem ID and plan name given in the message to determine the problem.

BMC40095W  **AN ERROR OCCURRED DURING service. EXECUTION WILL CONTINUE**

*Explanation:* RECOVER PLUS encountered an error, identified in a previously issued message. However, processing continues without the service shown. For example, if an SQL error is encountered during a checkpoint attempt, this will not stop processing.

*User response:* If processing stops, contact BMC Customer Support.

BMC40096S  **INCONSISTENCY FOUND IN SECURITY CHECK, RC = X’returnCode’**

*Explanation:* An internal error has occurred.

*User response:* Contact BMC Customer Support.

BMC40097E  **SECURITY CHECK FAILED, RC = X’returnCode’**

*Explanation:* The BMC security check failed. This failure can occur when the trial period has expired, when you run a product on an unauthorized CPU, or when you access the wrong authorization module.

*User response:* See the job log for additional messages. If the trial period has expired, contact BMC Customer Support for assistance.

BMC40098W  **FAILURE IN operation OF type PENDING FLAG, RC = returnCode**

*Explanation:* A failure occurred during a set or reset operation on a pending flag. RECOVER PLUS continues the recovery.

*User response:* Contact BMC Customer Support for assistance.
BMC40099S  THE UTILITY IS NOT APF AUTHORIZED--CONTACT YOUR SYSTEMS PROGRAMMING STAFF

Explanation:  This message indicates that the utility found itself unauthorized. The utility must run from an APF-authorized library.

User response:  Contact your system programming staff, if necessary, to have the utility copied to an authorized library.

Messages BMC40100 through BMC40199

For the RECOVER PLUS for DB2 product, this topic explains each message in the designated range.

BMC40100W  A PROBLEM WAS ENCOUNTERED TAKING A CHECKPOINT. THE UTILITY WILL CONTINUE BUT BE CAREFUL RESTARTING THIS RUN

Explanation:  In spite of an error when attempting to take a checkpoint, processing continues.

User response:  If your run completes successfully, no action is required. If it does not, contact BMC Customer Support before restarting.

BMC40101I  sysinCommandLine

Explanation:  This message echoes the input lines read from SYSIN.

User response:  No action is required.

BMC40102I  stepName STEP STARTING

Explanation:  The plan step shown is starting.

User response:  No action is required.

BMC40103E  TORBA/TOLOGPOINT X't'logPoint' IS OUT OF RANGE

Explanation:  The log point value specified in the TORBA/TOLOGPOINT clause is greater than the highest log point for the DB2 subsystem/data sharing group.

User response:  Correct the TORBA/TOLOGPOINT value and resubmit the job.

BMC40104I  TOCOPY dataSetName WAS SPECIFIED FOR databaseName.tableSpaceName DSNUM n, BUT

Explanation:  This message is issued as a prefix to message BMC40105.

User response:  See message BMC40105.
ITS FIRST CHOICE COPY dataSetName WILL BE USED FOR DSNUM n

Explanation: This message is prefixed by message BMC40104. Together they indicate that you have specified something similar to the following:

RECOVER TABLESPACE X.Y DSNUM 1
RECOVER TABLESPACE X.Y DSNUM 2 TOCOPY BACKUP.COPY.FILE

The information in the SYSCOPY table shows that BACKUP.COPY.FILE was created by the same copy job that created the image copy that RECOVER PLUS will use for DSNUM 1. The table also shows that BACKUP.COPY.FILE is the backup copy for DSNUM 2 (that is, the entry in the ICBACKUP column of the SYSCOPY table is LB or RB). This is an illogical request that RECOVER PLUS cannot process.

User response: Change the RECOVER PLUS input so that all partitions are recovered from the same copy (or copies) made at the same time, or so that all partitions are recovered to the current time.

UNEXPECTED DEVICE INFO X'hexByteValue' FOR OUTPUT COPY dataSetName - ICUNIT WILL BE ' '

Explanation: The named output copy will be registered in the SYSCOPY table (for table spaces and COPY YES indexes), or in BMCXCOPY (for COPY NO indexes), with no value (blank) in the ICUNIT column instead of T (tape) or D (disk). ICUNIT is not used for recovery.

User response: This is an informational message. No action is required.

SUBSYSTEM (SSID ssid) IS A RECOVERY SUBSYSTEM

Explanation: DB2 subsystem ssid is running as a recovery site, that is, the SITETYP parameter of the DSN6SPRM macro in DSNZPARM has a value of RECOVERYSITE. Refer to the IBM DB2 Universal Database for OS/390 Administration Guide for more information.

User response: No action is required.

UNEXPECTED RETURN CODE returnCode FROM IEFEB4UV TRYING TO RETRIEVE DEVICE TYPE FOR DDNAME ddname

Explanation: The decimal return code listed is issued by the system routine IEFEB4UV.

User response: Contact BMC Customer Support.

DISCARDING CONCURRENT COPY:

Explanation: RECOVER PLUS has found a row in SYSCOPY for an image copy made with the concurrent copy feature. This copy cannot be used by RECOVER PLUS. This message is followed by messages BMC40640, BMC40302, and BMC40641 to give you more information about the image copy. RECOVER
PLUS execution will continue, but recovery of the space for which this copy was made will fail if there are no other usable image copies.

User response: No action is required if the RECOVER PLUS run completes successfully. If the space is unrecoverable without the concurrent copy, you could choose a DFSMS restore of the named concurrent copy to the table space data set, and then run RECOVER PLUS specifying LOGONLY.

**BMC40110I**

**optionName OPTION HAS CHANGED, BUT IS NOT ALLOWED TO CHANGE ON RESTART**

Explanation: Before restarting the utility, you changed an option that is not allowed to change.

User response: Change the option back to its original value, then restart the utility.

**BMC40111S**

**TOTAL NUMBER OF DUPLICATE KEYS ENCOUNTERED FOR INDEX creator.ixname IS number**

Explanation: Duplicate key values were found for a unique index. One or more pairs of messages BMC40773 and BMC40774 are issued to list the RIDs in the duplicate entries. If RECOVER PLUS was installed with DUPSOCK = NO and duplicate keys in a unique index were encountered, this message will also be generated. However, the index will be left in RECOVER PENDING state and the index build will be terminated.

User response: You may be able to use IBM's REPAIR utility to remove rows containing duplicate keys from the table and rebuild the index.

**BMC40112I**

**STATEMENT WITH error/warning BELOW**

Explanation: An input statement is flagged with an error or warning. If the parser can identify a column where the situation begins, messages BMC40113 and BMC40101 appear showing the part of the input being considered. An asterisk (*) is placed in the first column of the syntax causing the error or warning. If no column can be specified, only the syntax appears.

User response: Correct the syntax and resubmit the job.

**BMC40113I**

**(ERROR AT OR NEAR POINT ABOVE **)**

Explanation: This message follows message BMC40112 and indicates the point at which a syntax error occurred or the earliest point in parser processing when the error or inconsistency was detected.

User response: Correct the syntax and resubmit the job.

**BMC40114**

**RECOVER PLUS FOR DB2 - databaseName.tableSpaceName NOT YET STOPPED: REPLY GO OR CANCEL**

Explanation: RECOVER PLUS issues these messages if you specified the installation option WTOR=YES or if you specified WTOR YES on the OPTIONS command. This message is a WTOR (write to operator with reply) that appears on the operator's console. The message displays after RECOVER PLUS has
issued STOP commands for one or more table spaces and/or index spaces, and has waited at least 100 seconds. If RECOVER PLUS is stopping more than 999 parts of an object, the wait is 250 seconds. At least one of the spaces is still not in STOP status. The space named in the message may not be the only one causing RECOVER PLUS to wait.

**User response:** Enter the commands DISPLAY DB(databaseName) SPACENAM(spaceName) LOCKS commands for each space named in the RECOVER PLUS commands, and check for long running transactions that are delaying the STOP. When all such conditions have been cleared, reply GO to the WTOR message; RECOVER PLUS then retries the display to see if the STOP commands have yet taken effect. Any other than GO causes RECOVER PLUS to terminate with return code 8.

**BMC40115E**  
A DEFAULT VALUE WAS NEEDED AND UNAVAILABLE FOR COLUMN columnName IN TABLE creator.tbname

**Explanation:** There was a problem with fast catalog access.

**User response:** Contact BMC Customer Support.

**BMC40116E**  
NO TABLE SPACE SPECIFIED WHEN (ALL) USED

**Explanation:** An index operation statement indicated ALL rather than specific indexes; however, the TABLESPACE option was not specified, and in this case, it is required.

**User response:** Specify the TABLESPACE option on the statement.

**BMC40117I**  
****** PERFORMANCE STATISTICS FROM LOG READ STEP ********

**Explanation:** This is an informational message that heads a series of messages to display performance oriented statistics for a log input or log apply phase. It is issued only if MSGLEVEL(1) or higher is specified in the EXEC parameters for the utility.

**User response:** No action is required.

**BMC40118W**  
sortType SORTNUM VALUE HAS BEEN IGNORED BECAUSE SORTDEVT PARAMETER IS MISSING

**Explanation:** The SORTDEVT and SORTNUM parameters can be specified:

- in a REBUILD INDEX,
- in a RECOVER UNLOADKEYS,
- in a RECOVER BUILDINDEX,
- or in the LOGSORT option.

Together, these specify the parameters to the system sort routine for dynamically allocating work data sets. The SORTNUM specification is ignored and RECOVER PLUS will terminate with return code 4 if you specify
SORTNUM in the SYSIN statement and the SORTDEVT is not specified in the SYSIN and is not defined in the installation options module. The sort type in the message refers to either a LOGSORT or a KEYSORT.

User response: You can do one of the following:

- specify SORTNUM and SORTDEVT to direct the allocation
- specify neither and let the system sort routine allocate the work data sets according to sort rules
- specify neither and provide L001WKnn or SORTWKnn DD statements in the JCL
- specify only SORTDEVT and let the system sort routine determine the number of data sets

BMC40119W sortType SORTNUM > 32 SPECIFIED, 32 ASSUMED
Explanation: The SORTNUM parameter specified in the REBUILD INDEX statement, RECOVER UNLOADKEYS statement, RECOVER BUILDINDEX statement, or in the LOGSORT option specifies more than 32 data sets. The sort type will be either a LOGSORT or a KEYSORT. RECOVER PLUS allows a maximum number of 32 data sets. The run continues with the maximum number of data sets assumed.
User response: No action is required.

BMC40120I numberReads FILES READ numberWaits I/O WAITS I/O WAIT TIME = hh:mm:ss
Explanation: This is an informational message that follows message BMC40117. It summarizes performance numbers for a log read step. numberReads is the number of log files read in the step; it will always be 1 for log apply. numberWaits is the number of times the utility waited for I/O on one file, and the time is total amount of time spent in such waits. A high amount of wait time could indicate a control unit bottleneck, since these numbers refer to waits for later blocks in a buffer after the read for the first block in the buffer has been posted complete. The message is issued only if MSGLEVEL(1) or higher is specified in the EXEC parameters for the utility.
User response: No action is required.

BMC40121E ALL STATEMENTS MUST HAVE THE SAME LOGSORT SORTDEVT VALUE
Explanation: Multiple statements were entered in the input stream. The SORTDEVT parameter was specified on some but not all statements. Because all input statements are processed together, this parameter must be specified consistently for all statements entered.
User response: Modify the multiple statements so they all have the same value for this parameter.
BMC40122E  ALL STATEMENTS MUST HAVE THE SAME LOGSORT SORTNUM VALUE

Explanation: Multiple statements were entered in the input stream. The SORTNUM parameter was specified on some but not all statements. Because all input statements are processed together, this parameter must be specified consistently for all statements entered.

User response: Modify the multiple statements so they all have the same value for this parameter.

BMC40123E  MISMATCH OF OPTIONS IN STATEMENT - optionName1 AND optionName2

Explanation: Options that must agree are different. For example, INCOPY and TOCOPY are coded, but the TOCOPY information does not match the last INCOPY specification.

User response: Correct the syntax and resubmit the job.

BMC40124I  sortWaits SORT WAITS SORT WAIT TIME = hh:mm:ss

Explanation: This is an informational message that follows message BMC40117. It summarizes performance numbers for a log read step. sortWaits is the number of times the utility had to wait for a buffer of log records to be passed to the sort, and the time is the total amount of time spent in such waits. A high wait time probably indicates a performance issue in the sort input phase. The message is issued only if MSGLEVEL(1) or higher is specified in the EXEC parameters for the utility.

User response: No action is required.

BMC40125I  TOCOPY dataSetName IS A siteSpecification COPY

Explanation: A row has been found in the SYSCOPY table that satisfies a TOCOPY specification except that the value in the ICBACKUP column is unacceptable. One of the following applies:

- The utility has RESOURCE SELECTION COPIES coded on the OPTIONS statement and the ICBACKUP column is not included in the selection.
- The utility does not have RESOURCE SELECTION COPIES coded and is running in a local DB2 subsystem, and the value in the ICBACKUP column is RP or RB (that is, the site specification is RECOVERY).
- The utility does not have RESOURCE SELECTION COPIES coded and is running in a recovery DB2 subsystem, the value in the ICBACKUP column is a blank or RB (that is, the site specification is LOCAL).

User response: If the required image copy (with the same data set name) is found and used, and RECOVER PLUS terminates normally, no action is required. If a message BMC40642 is received and RECOVER PLUS terminates with a return code 8, rerun the RECOVER PLUS job specifying TOCOPY so that the site values in the ICBACKUP column are valid for the DB2 subsystem you are using.
BMC40126E  **object IS IN A STATUS WHICH WILL NOT ALLOW RECOVERY**

*Explanation:* The object (a table space or an index space) shown in this message is in a status that does not allow the utility to execute (for example, the status UTRW, which indicates a DB2 utility is executing on the space). RECOVER PLUS will not run if the status is unacceptable.

*User response:* Terminate any IBM utilities or allow utilities to complete. Be sure the space has a status appropriate for running RECOVER PLUS.

BMC40127E  **RECOVERY ABORTED BECAUSE THERE IS AT LEAST ONE ENTRY IN BMCUTILITY FOR tableSpaceName**

*Explanation:* The table space or index space shown is specified (or implied) in a RECOVER statement. However, an entry in the BMCUTILITY table indicates that it is in use by another BMC utility.

*User response:* Allow the other utility to complete, or terminate it and submit this job again.

BMC40128E  **RECOVERY ABORTED BECAUSE THERE IS AN ENTRY IN BMCUTILITY FOR UTILITY utilityID (UTILNAME = utilityName) FOR tableSpaceName**

*Explanation:* The table space or index space shown is specified (or implied) in a RECOVER statement. However, an entry in the BMCUTILITY table indicates that it is in use by another BMC utility. The utility ID and utility name (for example, COPY PLUS) are shown.

*User response:* Allow the other utility to complete, or terminate it and submit this job again.

BMC40129E  **PART partNumber OF TABLESPACE databaseName.tableSpaceName IS NOT IN RO, STOP, OR STOPE STATUS, AND BUILDINDEX WAS SPECIFIED**

*Explanation:* The table space implied by the RECOVER BUILDINDEX statement has a partition that is not in a STOP or read only (RO) status. The table space should not be changed until the index is built.

*User response:* If the table space has not been changed, place the space in an appropriate status and submit the job again. If the table space has been changed, do not build the index—it may not be consistent. Instead, re-execute the RECOVER UNLOADKEYS of the index before re-initiating the RECOVER BUILDINDEX.

BMC40130S  **ESTAE SETUP FAILED RC = returnCode**

*Explanation:* An internal error has occurred in establishing an ESTAE.

*User response:* Contact BMC Customer Support.

BMC40131S  **BLDL FOR program FAILED: RC = returnCode, REASON = reasonCode**

*Explanation:* The utility encountered an internal error when it issued a BLDL for the named program.

*User response:* Contact BMC Customer Support.
BMC40132I  function FOR dataSetName FAILED - THE UTILITY WILL TRY AN SMS SELECTED VOLUME ('*')

Explanation: function is either DEFINE or EXTEND. dataSetName is the name of the data set for a STOGROUP-defined table space or index space. The STOGROUP includes both specific volumes and '*'. The utility attempted to reallocate the data set on the specific volume or volumes in the STOGROUP. This IDCAMS allocation or extension failed. Because the data set was SMS controlled, the utility will now attempt to allocate it to volume '*'.

User response: If the allocation or extension to '*' is successful, no action is required. If the allocation or extension fails, examine the IDCAMS messages and make any necessary changes to the DB2 STOGROUP or to the SMS storage class.

BMC40133I  function FOR dataSetName FAILED - THE UTILITY WILL TRY THE VOLUMES IT WAS ON

Explanation: function is either DEFINE or EXTEND. dataSetName is the name of the data set for a STOGROUP-defined table space or index space. The STOGROUP includes at least one volume that is not '*'. The utility attempted to reallocate the data set on the specific volume or volumes in the STOGROUP and this IDCAMS allocation or extension failed. The utility will now try to allocate the data set on the volumes on which it existed, specifying first (in the IDCAMS volume parameter) any volumes that are not in the DB2 STOGROUP.

User response: If the next allocation or extension is successful, no action is required. If the allocation or extension fails, examine the IDCAMS messages and make any necessary changes to the STOGROUP.

BMC40134I  UNAVAILABLE COPY dataSetName WILL NOT BE USED AS LASTCOPY

Explanation: A TOCOPY LASTCOPY was specified for an activity, but the copy that would normally qualify is not available.

User response: The utility attempts to fall back to accomplish the activity. If this is successful, no action is required.

BMC40135I  FAST DB2 CATALOG ACCESS WAS UNSUCCESSFUL, A TABLE SCAN FOR THE NEEDED INFORMATION WILL BE DONE

Explanation: RECOVER PLUS has tried to avoid a scan of the SYSIBM.SYSTABLES table, but this attempt at fast data retrieval failed.

User response: No action is required.

BMC40136W  FAILURE IN DBD ACCESS FOR databaseName.tableSpaceName, FAILING ID = returnCode

Explanation: RECOVER PLUS was unable to obtain limit key values from the DBD for a partitioned index recovery. The information from the catalog is used instead.

User response: If the table space was migrated from a DB2 release earlier than version 2.1 and was never dropped and recreated, RECOVER PLUS may build
the index incorrectly if this message is issued. In this case, the user should run an index-only REORG of this index.

If the table space was created after DB2 2.1, or if it has since been dropped and recreated, no action is required.

**BMC40137I**

**FAILURE IN DB2 COMMAND IN routine, FAILING ID = returnCode**

*Explanation:* An attempt to issue a DB2 display command failed.

*User response:* Contact BMC Customer Support.

**BMC40138W**

**FAILURE IN OBTAIN OF DBD FOR DBID = X‘dbid’, SPID = X‘spid’, FAILING ID = returnCode**

*Explanation:* The utility was unable to obtain limit key values from the DBD for a partitioned index recovery.

*User response:* See message BMC40136.

**BMC40139W**

**EXPECTING OBDDID X‘2039’, FOUND X‘hexValue’**

*Explanation:* An internal error has occurred.

*User response:* Contact BMC Customer Support if the utility terminated with a return code greater than 4.

**BMC40140W**

**EXPECTING DBID X‘dbid’, FOUND X‘dbid’**

*Explanation:* An internal error has occurred.

*User response:* Contact BMC Customer Support if the utility terminated with a return code greater than 4.

**BMC40141W**

**EXPECTING PSID X‘psid’, FOUND X‘psid’**

*Explanation:* An internal error has occurred.

*User response:* Contact BMC Customer Support if the utility terminated with a return code greater than 4.

**BMC40142I**

**EXPECTING PAGE X‘pageNum1’ FOUND PAGE X‘pageNum2’**

*Explanation:* An input or output space image copy contains an unexpected page number sequence.

*Note*

When the product issues this message as a warning (BMC40142W), the unexpected page number sequence does not necessarily indicate that there is a problem. When a copy utility encounters a zero page, the image copy created will skip a page number.

*User response:* Verify that the page number sequence is a valid sequence for your table space image. If it is not valid, contact BMC Customer Support.
BMC40143E  DATA SET dataSetName MISSING ON RESTART FOR databaseName.tableSpaceName
   Explanation: The data set dataSetName existed during the original execution of the utility but could not be found at the time the job step was restarted.
   User response: Allocate the data set before restarting the job step.

BMC40144W  CANNOT FIND DATA SET dataSetName IN CATALOG
   Explanation: The dataSetName shown is the cluster name for the BSDS or an active log but a catalog call to get information for it failed. The data set is registered to the BSDS, but is not cataloged.
   User response: Contact your DB2 systems programmer to determine why the data set cannot be found in the catalog.

BMC40145I  WTOR ISSUED BECAUSE OBJECT objectName IS NOT STOPPED
   Explanation: If you specified MSGLEVEL=1 or MSGLEVEL=2, this message is written to AFRPRINT when the WTOR message BMC40114 is written to the operator's console.
   User response: Reply to message BMC40114 at the operator's console.

BMC40146E  REPLY TO WTOR IS GO; RUN WILL CONTINUE
   Explanation: The operator replied GO to the WTOR message BMC40114 and the utility will attempt to continue.
   User response: No action is required.

BMC40147E  REPLY TO WTOR IS NOT GO; RECOVER TERMINATING
   Explanation: The operator replied with something other than GO to the WTOR message BMC40114. The utility will terminate with condition code 8.
   User response: No action is required.

BMC40148S  FULL COPY HAS NO PAGES, ATTEMPTING FALLBACK
   Explanation: An empty image copy data set was detected by the utility. The utility will fall back to a preceding copy.
   User response: No action is required.

BMC40149W  INCREMENTAL COPY HAD NO PAGES
   Explanation: An empty incremental image copy was detected by the utility.
   User response: No action is required.

BMC40150I  SMS MODULE module NOT FOUND, RC = 'returnCode', REAS = 'reason'
   Explanation: The space being recovered is under SMS control, but the SMS load module (module) cannot be found.
   User response: If module is IGWASYS and DFP is level 3.3 or later (or SMS PTFs are applied to DFP level 3.2), SMS is not active. If module is IGWAQSMS and
DFP is level 3.2, this also indicates SMS is not active. If either case is true, see your systems programmer to determine the status of SMS. If SMS is active, be sure RECOVER PLUS can access these modules.

**BMC40151**

**SMS NOT ACTIVE**

*Explanation:* RECOVER PLUS cannot detect that SMS is active.

*User response:* See message BMC40150.

**BMC40152**

**INDEX ALTERED FROM TYPE typeA TO typeB. YOU MUST REBUILD THE INDEX.**

*Explanation:* The utility has detected an attempt to RECOVER INDEX after an ALTER INDEX command to convert from type 1 to type 2, or vice versa.

*User response:* You can change the RECOVER INDEX command to a REBUILD INDEX command and resubmit your run. If this is a large nonpartitioned index for a partitioned table space, you have the option of using UNLOADKEYS and BUILDINDEX, which will be faster (see Example 6: Extracting nonpartitioned index keys and Example 7: Building a nonpartitioned index in the RECOVER PLUS for DB2 Reference Manual).

**BMC40153**

**LOGICAL PARTITION RECOVERY CHANGED TO NORMAL RECOVERY**

*Explanation:* A request was made to rebuild a nonpartitioned index by logical partition. However, either the index space is in page set recover pending (PSRCP) status, all parts were requested for the rebuild, or the data set is missing.

*User response:* If the rebuild was successful, no action is required. The utility switched to a normal index rebuild, doing a complete read of keys and rebuild.

**BMC40154**

**FAILED IN BUILD INDICATED BY STATUS PSRCP**

*Explanation:* A request was included to rebuild a nonpartitioned index by logical partition. The run is a restart. The page set recover pending (PSRCP) status indicates that the build was started. The utility must rebuild the entire index because its state is unknown.

*User response:* If the rebuild was successful, no action is required. The utility switched to a normal index rebuild, doing a complete read of keys and rebuild.

**BMC40155**

**ALL LOGICAL PARTITIONS REQUESTED**

*Explanation:* Requests were made to recover a nonpartitioned index by logical partition. However, all parts were requested.

*User response:* No action is required.
## Status PSRCP Requires Full Recovery of Non-Partitioned Index

**Explanation:** Requests were made to rebuild a nonpartitioned index by logical partition. However, the index has a status of page set recover pending (PSRCP), which requires the entire index to be rebuilt.

**User Response:** Remove the PART specification from the REBUILD INDEX statement and resubmit the RECOVER PLUS run.

## Available Region Below 16M = regionSize, Available Region Above 16M = regionSize, Number of CPUs = n

**Explanation:** The utility examines system control blocks to determine the available region (in kilobytes) above and below the 16 megabyte line. The number of CPUs for this system is also displayed.

**User Response:** No action is required.

## Missing Dataset Requires Full Recovery of Non-Partitioned Index

**Explanation:** A logical index partition rebuild was requested, but the index data set does not exist.

**User Response:** If the index is STOGROUP-defined, no action is required. The data sets are created and the index is fully recovered from the table space data.

If the index is VCAT-defined, you must create the data sets and resubmit the job.

## Logical Partition Recovery Requested for Type 2 Index creator.ixname

**Explanation:** REBUILD INDEX . . . PART partNumber was specified for a type 2 nonpartitioned index on a partitioned table space. This function is not supported.

**User Response:** Resubmit the REBUILD INDEX without specifying PART partNumber. The entire table space will be read to recover the entire index.

## ACCUM / Recover Analyze Parm Mismatch

**Explanation:** Both the RECOVER and ACCUM statements are present. The ANALYZE option appeared on more than one statement and the options are in conflict.

**User Response:** Correct the ANALYZE options and resubmit the job.

## 'Options' Statements Must Precede Other Statement Types

**Explanation:** An OPTIONS statement appears in the SYSIN after another statement (for example, RECOVER TABLESPACE or ACCUM).

**User Response:** Place the OPTIONS statement at the beginning of the SYSIN statements and resubmit the job.
BMC40162E  option PREVIOUSLY SPECIFIED ON OPTIONS STATEMENT
Explanation: The option shown was previously specified on an OPTIONS statement.
User response: Remove the option and its parameters from all but the OPTIONS statement.

BMC40164E  'LOGONLY' REQUIRES DB2 VERSION 3.1 OR HIGHER
Explanation: The LOG ONLY option is not supported for DB2 version 2.3 or earlier.
User response: Use the LOGAPPLY ONLY option to obtain the same results.

BMC40165E  'INDEX PART' SPECIFIED. 'PART' CAN NOT BE SPECIFIED MORE THAN ONCE
Explanation: The PART option was specified in the INDEX list and in the main body of the REBUILD INDEX statement. PART cannot be used in both places.
User response: Remove the PART option from either the INDEX list or the main body of the REBUILD INDEX statement and resubmit the job.

BMC40166E  DUPLICATE SPECIFICATION OF option
Explanation: More than one instance of the option shown was found in the SYSIN. If the keyword is shown inside angle brackets, it indicates an option value rather than the keyword itself.
User response: Remove all duplicate references and resubmit the job.

BMC40168I  VOLUMES MARKED WITH '+' WILL ONLY BE USED FOR DYNAMICALLY ALLOCATED INDEPENDENT OUTSPACE DATASETS
Explanation: This is an informational message that is related to the volumes listed in the BMC40707I message. RECOVER PLUS accepts volumes passed via the OPTIONS STOGROUP stoGroupName USEORDER(vol1, vol2, vol3,..., voln) statement that do not belong to the storage group, but RECOVER PLUS uses such volumes only for dynamic allocation of INDEPENDENT OUTSPACE data sets.
User response: No action is required.

BMC40169I  EARLY RECALL FEATURE DISABLED
Explanation: NOEARLYRECALL of archived input data sets was specified in the OPTIONS statement.
User response: No action is required.

BMC40170I  UNABLE TO START SUBTASK taskName
Explanation: The utility attempted to start the task specified but received an error from MVS.
User response: Contact BMC Customer Support.
**BMC40172I**  

**LOG RECORDS AND BYTES OF LOG DATA PROCESSED**

*Explanation:* This is an informational message that follows message BMC40117. It summarizes performance numbers for a log read step. `numberLogRecords` is the total number of log records applied to spaces (if log apply) or passed to sort (if log input). `numberBytes` is the corresponding number of bytes. If the message follows a BMC40302 message, the numbers apply only to the log file named in the BMC40302 message. The message is issued only if MSGLEVEL(1) or higher is specified in the EXEC parameters for the utility.

*User response:* No action is required.

**BMC40173I**  

**TIME SPENT IN DATASET ALLOCATION = hh:mm:ss**

*Explanation:* This is an informational message that follows message BMC40117. It displays the length of time spent in the log apply or log input phase before the log file name in the preceding BMC40302 message completed data set allocation. The time probably represents time waiting for a tape to be mounted. The message is issued only if MSGLEVEL(1) or higher is specified in the EXEC parameters for the utility.

*User response:* No action is required.

**BMC40174I**  

**I/O WAITS I/O WAIT TIME = hh:mm:ss**

*Explanation:* This is an informational message that follows message BMC40117. It displays the number of times the utility waited for I/O to complete to the log file named in the preceding BMC40302 message, and the amount of time spent in waits for this file. See the explanation of message BMC40120 for a description of what these numbers mean. The message is issued only if MSGLEVEL(1) or higher is specified in the EXEC parameters for the utility.

*User response:* No action is required.

**BMC40175I**  

**WAITS FOR THREAD WAIT TIME = hh:mm:ss**

*Explanation:* This is an informational message that follows message BMC40117. It displays the number of times the utility waited because none of the reads that were issued for any of the log files were complete. The amount of time spent in such waits indicates to what extent the log reading process is I/O bound. If these numbers are high, you should consider increasing the values you have specified or defaulted for the MAXDRIVES and MAXDASDLOGS options, to increase the number of logs the utility will read concurrently and reduce the elapsed execution time. The message is issued only if MSGLEVEL(1) or higher is specified in the EXEC parameters for the utility.

*User response:* No action is required.
**BMC40176S**  
**SORT TERMINATED WITH SYSTEM ABEND CODE X’code’**

*Explanation:* The utility has detected that the sort program has ended with a system abend code displayed in the message. A dump should have been taken.

*User response:* Contact BMC Customer Support. Save the AFRPRINT output, AFRERR output, the SYSOUT output, and a dump, if one was taken. They will help BMC personnel determine the cause of the error.

**BMC40177S**  
**SORT TERMINATED WITH USER ABEND CODE ddd (X’code’)**

*Explanation:* The utility has detected that the sort program has ended with a user abend code displayed in the message, in both decimal and hexadecimal formats.

*User response:* Contact BMC Customer Support. Save the AFRPRINT output, AFRERR output, the SYSOUT output, and a dump, if one was taken. They will help BMC personnel determine the cause of the error.

**BMC40178S**  
**THE SUBTASK TO ALLOCATE dataSetName ENDED WITH SYSTEM ABEND CODE X’code’**

*Explanation:* The utility starts a subtask to allocate each log file. The subtask to allocate the log file named in the message has abended. A dump should be produced, and message BMC40179 should follow this one.

*User response:* Contact BMC Customer Support. Please have the dump available, if one was produced, as well as the AFRPRINT output and the AFRERR output from the job.

**BMC40179I**  
**TCB ADDRESS = X’address’**

*Explanation:* This is an informational message issued with another error message to provide information for dump analysis.

*User response:* No action is required. However, there should be other messages in the output to which a will be necessary.

**BMC40180E**  
**CANNOT PERFORM LOGONLY RECOVERY ON databaseName.tableSpaceName DSNUM dsNum SINCE THE OBJECT DOES NOT ALREADY EXIST**

*Explanation:* The underlying data set needed for a LOGONLY recovery does not exist.

*User response:* Determine why the data set does not exist. It may not exist because the non-DB2 recovery did not complete successfully. Recover the data set properly and resubmit the job.
**BMC40181I**  
**CANNOT PERFORM LOGONLY RECOVERY ON**  
databaseName.tableSpaceName  
**DSNUM** dsNum **SINCE THE FIRST**  
**DATASET (DSNUM 1) IS NOT ACCESSIBLE**  

*Explanation:* An error occurred while performing a LOGONLY recovery of the first data set of a nonpartitioned multi-data-set table space.  
*User response:* Determine why the data set is not accessible and resubmit the job.

**BMC40182E**  
**LOGONLY DISALLOWED FOR A SINGLE, NONPARTITIONED DATA SET**  

*Explanation:* The LOGONLY option was requested for a single data set of a nonpartitioned table space or index. This request is in error.  
*User response:* The LOGONLY option is available for recovery of a single data set only when recovering a partitioned table space or the partitioned index on a partitioned table space. To use LOGONLY with any other space, remove the DSNUM n keyword from the request. Use the LOGAPPLY ONLY option instead of LOGONLY if you need DSNUM n recovery for a nonpartitioned table space or index.

**BMC40183I**  
**PAGE 0 OF DATASET dataSetName IS BROKEN**  

*Explanation:* The starting log point for the LOGONLY recovery cannot be obtained because the header page is broken.  
*User response:* Change the strategy to a normal or LOGAPPLY ONLY recovery. If you choose the LOGAPPLY ONLY strategy, be sure to specify the FROMRBA. See BMC96718 for more information.

**BMC40184I**  
**PAGE 0 OF DATASET dataSetName IS NOT A DB2 PAGE HEADER**  

*Explanation:* RECOVER PLUS cannot obtain the log point for a LOGONLY recovery because page 0 is not a header page.  
*User response:* The data set may have been corrupted when recovered with a non-DB2 utility. This space must be recovered conventionally. See BMC96718 for more information.

**BMC40185E**  
**A DSNUM ALL action WAS REQUESTED WITH A DSNUM n action**  

*Explanation:* When processing nonpartitioned, multi-data-set table spaces, the following restrictions apply. You cannot perform a DSNUM ALL recover and an ACCUM DSNUM n on the same table space in the same step, or vice versa. Nor can you perform an ACCUM where a nonpartitioned multi-data-set table space is specified as DSNUM ALL and DSNUM n.  
*User response:* Correct the problem and rerun.
BMC40186I LOGONLY RECOVERY OF databaseName.tableSpaceName WILL BE FROM X'logPoint'

Explanation: The space named in the LOGONLY recovery will apply log records beginning at the log point reported in the message, which was found in the space header page.

User response: No action is required.

BMC40187I HEADER PAGE OF DATASET dataSetName DOES NOT CONTAIN A VALID LOG RBA/LRSN

Explanation: RECOVER PLUS attempted a LOGONLY recovery and found that the log point stored in the header page was invalid.

User response: If you recently migrated to DB2 version 3.1, this space may not have been accessed since the migration. You should use a LOGAPPLY ONLY strategy and provide the log point using the FROMRBA option. Be aware that log records written by DB2 versions earlier than version 3.1 will not be applied using this release of RECOVER PLUS. If the space has been accessed by DB2 version 3.1, the data set may be corrupted and the space must be recovered conventionally.

BMC40188S THE SUBTASK TO ALLOCATE dataSetName ENDED WITH RETURN CODE returnCode

Explanation: The utility starts a subtask to allocate each log file. The subtask to allocate the log file named in the message ended with a nonzero return code. Another error message should have been produced by the subtask.

User response: Contact BMC Customer Support. Please have the utility output available and the dump, if one was produced.

BMC40189I THE integer1 TAPE AND integer2 DISK LOG FILES WILL BE READ IN integer3 LOG READING STEPS BECAUSE MAXDRIVES = integer4 AND MAXLOGS = integer5

Explanation: This is an informational message, which is given for all MSGLEVELs, providing performance oriented messages. It indicates that maximum concurrency in reading log files has not been attempted because of the MAXDRIVES and MAXLOGS values specified. The number of tape log files to be read at one time is limited to the lower of MAXDRIVES and MAXLOGS, and the total number of tape and disk logs to be read at one time is limited to the value of MAXLOGS.

User response: No action is required. If you want to improve the performance of the utility by increasing the number of log files to be read at a time, refer to RECOVER PLUS for DB2 Reference Manual for a discussion of memory usage for log file allocations.

BMC40190I THE integer1 TAPE LOG FILES ARE STACKED ON integer2 VOLUME SETS

Explanation: This is an informational message, which is given for all MSGLEVELs, providing performance oriented messages. It should immediately follow message BMC40189 and provides further information.
about why the number of tape log files to be allocated concurrently is restricted. The message indicates that some or all of the input tape log files have been stacked together on sets of tape volumes. For each such set of one or more volumes, because the files are written sequentially, only one file can be read at a time.

User response: No action is required. Unstacking archive logs on tape might allow you to recover more quickly by increasing the number of tape log files that can be read concurrently.

**BMC40191I**  
**FILE dataSetName WAS NOT ALLOCATED BECAUSE THE UNIT WAS UNAVAILABLE**

Explanation: This is an informational message that indicates that allocation of an input log file failed because a unit of the correct type is not yet available. The utility will attempt to allocate the file a number of times, waiting before each attempt. If a unit has not been made available before the time limit has passed, the utility will attempt allocation one more time, specifying a wait for unit. This will allow you to cancel the allocation and cause RECOVER PLUS to attempt to fall back to use an alternate log file if one is available.

User response: No action is required. If you see this message while monitoring output from the utility, you can free a unit of the correct type to allow the next allocation attempt to succeed.

**BMC40192W**  
**THE UTILITY FOUND END OF FILE AT RBA X'logPoint' IN A LOG FILE WITH START RBA X'logPoint' AND HIGH USED RBA X'logPoint'**

Explanation: The utility has encountered an I/O error or a logical inconsistency in the log data while reading the named file. This will usually occur because the log file is a new active log that has not yet been formatted completely because DB2 has not yet written log records to the entire file. The data set name of the log file is displayed in a BMC40302 message immediately following this one. Check that the file is an active log, that it has not been completely formatted (a LISTCAT should show high allocated RBA higher than high used RBA), and that this utility output shows an attempt to read to the last RBA in this log, in an earlier BMC40555 message following BMC40725 and BMC40302 messages for this file.

Another possible reason for this message is that an ARCHIVE LOG command has been issued for an active log that was overwritten while the utility was executing. In this case, the utility issues BMC40282S and BMC40281S messages, followed by the BMC40192W message, giving 0 as the end-of-file RBA and high-used RBA values.

User response: No action is required if the named file is a new active log, and there is no data following the first RBA value displayed in the message, or if the named file is an archive log that replaced an overwritten active, and if the utility continued successfully. If this is not true, contact BMC Customer Support.
BMC40193I  
**n1 LOG DATASET BUFFERS OF n2 BYTES EACH WERE ALLOCATED**

*Explanation:* This is an informational message regarding memory allocation for log buffers. This information may help you to tune your MAXLOGS option specification.

*User response:* No is necessary

BMC40194S  
**PAGE X’pageNum’ IS MARKED 'READ WITH I/O ERROR’**

*Explanation:* The utility found a page (pageNum) that showed an I/O error during a DB2 read operation for that page.

*User response:* Contact BMC Customer Support.

BMC40195S  
**PAGE X’pageNum’ CONTAINS INCONSISTENT DATA**

*Explanation:* The utility found a page (pageNum) that DB2 had marked as containing inconsistent data.

*User response:* Contact BMC Customer Support.

BMC40196S  
**FLAG BYTE/LAST BYTE DISCREPANCY ON PAGE X’pageNum’**

*Explanation:* The utility detected a discrepancy between the first and last bytes on page pageNum.

*User response:* Contact BMC Customer Support.

BMC40197W  
**EOF BUT SPACE MAP ON PAGE NUMBER X’pageNum1’ INDICATES END OF MAP AFTER PAGE NUMBER X’pageNum2’**

*Explanation:* The utility detected an inconsistency between a space map and the actual pages in a space. This condition may indicate that you have not recovered all of the data sets in a space. This condition can occur if you request a DSNUM ALL recovery of a nonpartitioned table space or index, for which image copies have been made by data set, if the space has extended into another data set since the last set of image copies was made, or if the copies were registered at different log points. RECOVER PLUS may issue this message as a warning (the default) or severe error.

This message may also be issued as a result of a mass DELETE of a segmented table space.

*User response:* If this message is issued as a result of a mass DELETE, a REORG should eliminate the condition that results in the message.

If there is a data set in the space for which an image copy does not exist, you can RECOVER the data set of a table space (the data set can be recovered from log records); if the space is an index, you must REBUILD it. Run the DSN1COPY utility using the CHECK option against the space to determine if a problem exists. If no problems are found, no action is required. If problems are found, contact BMC Customer Support.
**BMC40198W**  
FOUND ZERO PAGE WHEN EXPECTING PAGE X'pageNum1' BASED ON INFORMATION IN SPACE MAP PAGE X'pageNum2'

*Explanation:* An unexpected zero page was discovered by the utility.

*User response:* Run the DSN1COPY utility using the CHECK option against the space to determine if a problem exists. If no problems are found, no action is required.

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**BMC40199W**  
POSSIBLE PROBLEM IN INPUT SPACE IMAGE:

*Explanation:* An unusual condition was detected in an input space image. A subsequent error message explains the problem.

*User response:* See the user for the subsequent error message.

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**Messages BMC40200 through BMC40299**

For the RECOVER PLUS for DB2 product, this topic explains each message in the designated range.

**BMC40200S**  
FOUND PAGE FLAGS X'flags' INDICATING HEADER PAGE AT PAGE NUMBER X'pageNum'

*Explanation:* The system was accessing or recovering a space. An inappropriate page number or page flag was found. The page flags indicated a header page. See the accompanying message for the page type expected.

*User response:* If you are in an UNLOAD step (see previous message in the output) and the space was not recovered, check the space or recover it. If the space was recovered by RECOVER PLUS, contact BMC Customer Support. If you are in a restore or merge step, check the copy or copies being used. If you are doing a logical build of an index (recovering only some parts of a nonpartitioned index on a partitioned space), submit a full recovery of the index.

**BMC40201S**  
FOUND PAGE FLAGS X'flags' INDICATING SPACE MAP AT PAGE NUMBER X'pageNum'

*Explanation:* The system was accessing or recovering a space. An inappropriate page number or page flag was found. The page flags indicated a space map. See the accompanying message for the page type expected.

*User response:* If you are in an UNLOAD step (see previous message in the output) and the space was not recovered, check the space or recover it. If the space was recovered by RECOVER PLUS, contact BMC Customer Support. If you are in a restore or merge step, check the copy or copies being used. If you are doing a logical build of an index (recovering only some parts of a nonpartitioned index on a partitioned space), submit a full recovery of the index.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message Text</th>
</tr>
</thead>
</table>
| BMC40202I    | **FOUND PAGE FLAGS X'flags' INDICATING DATA PAGE AT PAGE NUMBER X'pageNum'**  
*Explanation:* The system was accessing or recovering a space. The system found inappropriate page flags or an erroneous page number.  
*User response:* If you are in an UNLOAD step (see previous message in the output) and the space was not recovered, check the space or recover it. If the space was recovered by RECOVER PLUS, contact BMC Customer Support. If you are in a restore or merge step, check the copy or copies being used. |
| BMC40203S    | **CRITICAL ERROR IN INPUT SPACE IMAGE:**  
*Explanation:* RECOVER PLUS was accessing or recovering a space and discovered a critical inconsistency. This message is followed by a message that further explains the error.  
*User response:* See the user response for the accompanying error message. |
| BMC40204I    | **EXPECTING DATA PAGE**  
*Explanation:* The system was accessing or recovering a space. A data page was expected but another type of page was encountered. See preceding message for more information.  
*User response:* If you are in an UNLOAD step (see previous message in the output) and the space was not recovered, check the space or recover it. If the space was recovered by RECOVER PLUS, contact BMC Customer Support. If you are in a restore or merge step, check the copy or copies being used. |
| BMC40205I    | **EXPECTING SPACE MAP**  
*Explanation:* The system was accessing or recovering a space. A space map page was expected but another type of page was encountered. See preceding message for more information.  
*User response:* If you are in an UNLOAD step (see previous message in the output) and the space was not recovered, check the space or recover it. If the space was recovered by RECOVER PLUS, contact BMC Customer Support. If you are in a restore or merge step, check the copy or copies being used. |
| BMC40206I    | **EXPECTING HEADER PAGE**  
*Explanation:* The system was accessing or recovering a space. A header page was expected but another type of page was encountered. See preceding message for more information.  
*User response:* If you are in an UNLOAD step (see previous message in the output) and the space was not recovered, check the space or recover it. If the space was recovered by RECOVER PLUS, contact BMC Customer Support. If you are in a restore or merge step, check the copy or copies being used. |
**BMC40207S**

**FOUND UNIDENTIFIED PAGE WITH FLAGS X'flags' AT PAGE NUMBER X'pageNum'**

*Explanation:* The system was accessing or recovering a space. The page at pageNum had an unrecognized page type indicated by flags.

*User response:* If you are in an UNLOAD step (see previous message in the output) and the space was not recovered, check the space or recover it. If the space was recovered by RECOVER PLUS, contact BMC Customer Support. If you are in a restore or merge step, check the copy or copies being used. If you are doing a logical build of an index (recovering only some parts of a nonpartitioned index on a partitioned space), submit a full recovery of the index.

**BMC40208I**

**DB2 LOG/CHANGE ACCUM FILE SPANNING X'beginLogPoint' TO X'endLogPoint' HAS NO USABLE COPIES**

*Explanation:* The DB2 log file or change accumulation file covering the log range shown had no cataloged copies. (If a change accumulation file is not available, log will be used if available.)

*User response:* If the run was unsuccessful, attempt to locate and catalog logs or change accumulation files for the range shown.

**BMC40209S**

**ERROR IN SYSLGRNX RECORD: BEGIN LRSN (X'beginLogPoint') EXCEEDS END LRSN (X'endLogPoint')**

*Explanation:* An illogical record has been retrieved from the SYSLGRNX table in the DB2 directory. The beginning LRSN is higher than the ending LRSN.

*User response:* Run REPORT RECOVERY for each space in the failing run.

**BMC40210I**

**MAX DATASETS EXCEEDED FOR INDEX creator.ixname**

*Explanation:* More data sets than the maximum allowed for this index are needed for recovery. See the *DB2® Diagnosis Guide and Reference* for your version of DB2 for the rules regarding the number of data sets allowed.

*User response:* ALTER the PIECESIZE to a larger value. This will make recovery use fewer data sets.

**BMC40211I**

**ATTEMPT TO ACCESS DATASET dsNum FOR objectType**

*Explanation:* The object indicated is VCAT-defined and RECOVER PLUS attempted to access data set number dsNum. That VSAM data set does not exist. objectType is either INDEX ixCreator.ixName or TABLESPACE databaseName.tableSpaceName.

*User response:* Allocate the required data set and submit the recovery job again.

**BMC40212I**

**OBJECT IS VCAT DEFINED AND VSAM DATA SET DOES NOT EXIST**

*Explanation:* See message BMC40211.

*User response:* See message BMC40211.
BMC40213I EXPECTING COMPRESSION DICTIONARY PAGE

Explanation: The system was accessing or recovering a space. A compression dictionary page was expected but another type of page was encountered.
User response: Contact BMC Customer Support.

BMC40214I FOUND PAGE FLAGS 'flags' INDICATING DICTIONARY PAGE AT PAGE NUMBER 'pageNum'

Explanation: The system was accessing or recovering a space. An inappropriate page number or page flag was found. The page flag indicated a dictionary page. See the accompanying message for the page type expected.
User response: Contact BMC Customer Support.

BMC40215I PAGE 'pageNum' IS A DICTIONARY PAGE MARKED NOT IN USE

Explanation: The system was accessing or recovering a space. The dictionary page encountered is not in use.
User response: Contact BMC Customer Support.

BMC40216I DICTIONARY PAGE 'pageNum' FAILED INTEGRITY CHECK

Explanation: The system was accessing or recovering a space. The dictionary page encountered failed integrity checking.
User response: Contact BMC Customer Support.

BMC40217I THIS TABLESPACE OR PARTITION IS COMPRESSED

Explanation: A dictionary page has been found while extracting keys from a table space or partition. This indicates that the space from which keys are being unloaded is compressed.
User response: No action is required. This message is for information only.

BMC40218I HARDWARE COMPRESSION IS BEING EMULATED

Explanation: Hardware compression is not available and will be emulated.
User response: No action is required.

BMC40219I CONNECT TO COMPRESSION SYSTEM FAILED - RC = returnCode

Explanation: The utility cannot connect to the compression routines while recovering a compressed space.
User response: Contact BMC Customer Support.

BMC40220I DISCONNECT FROM COMPRESSION SYSTEM FAILED - RC = returnCode

Explanation: The utility cannot disconnect from the compression routines while recovering a compressed space.
User response: Contact BMC Customer Support.
BMC40221W  LOAD OF COMPRESSION DICTIONARY FAILED - RC = returnCode, REASON CODE = code
Explanation: RECOVER PLUS encountered a problem reading the compression dictionary while performing key extraction.
User response: This warning does not constitute a problem unless there are compressed rows. If there are compressed rows, RECOVER PLUS issues a severe error message along with this warning. In that situation, contact BMC Customer Support and provide the reason code.

BMC40222I  ROW DECOMPRESSION FAILED - RC = returnCode
Explanation: Row decompression was not successful due to the reason noted in the message.
User response: Contact BMC Customer Support.

BMC40223S  RECOVER PLUS IS ABENDING WITH {USER | SYSTEM CODE decimalValue| X'code'}
Explanation: This informational message indicates that RECOVER PLUS has intercepted a USER abend (decimalValue) or SYSTEM abend (X'code'). RECOVER PLUS will perform termination processing. Upon completion of the termination processing, control will be given back to the operating system, where normal abend processing will occur and the step will end with the indicated USER or SYSTEM abend.
User response: If you are unable to determine the cause of the abend, contact BMC Customer Support.

BMC40224E  LOG RECORD FOUND AT LRSN X'lrsn' INDICATES CREATE OR REORG AFTER COPY
Explanation: The log record at lrsn indicates that there is a point of creation or a LOAD LOG YES or REORG LOG YES after the copy. Recovery from the copy through such a point is not logical.
User response: Change your recovery request to recover to lrsn or from lrsn as needed.

BMC40225I  THE ABOVE SYSCOPY ENTRY WAS NOT CONSIDERED BECAUSE SITETYPE DOES NOT MATCH RESOURCE SELECTION CRITERIA
Explanation: The full copy is available but is not considered for use because the RESOURCE SELECTION COPIES option, or the LOCALSITE or RECOVERYSITE specification, does not include this type of copy.
User response: If you wish to use the copy, you have either of the following options:

- add or modify the RESOURCE SELECTION COPIES option in SYSIN statements to include the correct copy type
- add or modify the LOCALSITE or RECOVERYSITE specification in SYSIN statements
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message Text</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC40226I</td>
<td><strong>NO LOG RECORDS FOR <strong>groupName</strong>. NO OUTPUT FILES CREATED FOR THIS GROUP.</strong></td>
<td>No log records were found for this group so no output files were created.</td>
<td>No action is required. This message is for information only.</td>
</tr>
<tr>
<td>BMC40227W</td>
<td><strong>BEGINNING AUTOMATIC FALBACK</strong></td>
<td>RECOVER PLUS is starting automatic fallback. Automatic fallback can occur when the utility is encounters an error during recovery or rebuild of an object. Usually severe errors are issued in AFRPRINT and AFRERR before automatic fallback is attempted. If automatic fallback is successful, the job will end with RC=4 so you know there were problems during the run. If errors are encountered during fallback recovery or rebuild, additional error messages should be issued, which result in RC=8 or higher.</td>
<td>Review messages in AFRERR to make sure job executed successfully.</td>
</tr>
<tr>
<td>BMC40228W</td>
<td><strong>IF AN INDEX PIECESIZE HAS BEEN ALTERED FROM value1 TO value2, YOU MUST REBUILD THE INDEX</strong></td>
<td>RECOVER PLUS issues this message after message BMC40041 to provide more data. If you made your copies using COPY DSNUM ALL and then used ALTER PIECESIZE, you can use RECOVER INDEX to recover the index from copies and log records. With the RECOVER INDEX command, you can, for example, rewrite a three-data set index into six data sets. This message is followed by a BMC40302 message that names the data set in which the mismatched value was detected. (It may be an image copy or the index space.)</td>
<td>See BMC40237.</td>
</tr>
<tr>
<td>BMC40229W</td>
<td><strong>POSSIBLE PROBLEM IN OUTPUT SPACE IMAGE:</strong></td>
<td>This is a warning message that indicates a check of the integrity of the output space or image copy has failed. Other messages follow this one to provide more details.</td>
<td>See the user response for the subsequent error messages.</td>
</tr>
<tr>
<td>BMC40230I</td>
<td><strong>UNABLE TO ATTACH SORT, RC = returnCode</strong></td>
<td>The utility attempted to attach a sort task and received the return code given in the message.</td>
<td>Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC40231I</td>
<td><strong>FAILURE IN DETACHING SORT, RC = returnCode</strong></td>
<td>The utility attempted to detach a sort task and received the return code given in the message.</td>
<td>Contact BMC Customer Support.</td>
</tr>
</tbody>
</table>
BMC40232S CRITICAL ERROR IN OUTPUT SPACE IMAGE:

Explanation: A data integrity error has been detected. Other messages follow this one to provide more details.

User response: Contact BMC Customer Support. Please have ready the output from the utility run including the SYSERR dump for diagnosis.

BMC40233I NO EXTERNAL DB2 SECURITY EXIT (DSNX@XAC) PRESENT

Explanation: External security exit module DSNX@XAC was not detected in the STEPLIB, JOBLIB, or LINKLIB list concatenation.

User response: No action is required if you are not using the external security exit. If you are using the external security exit, add the load library to STEPLIB, JOBLIB, or LINKLIB list.

BMC40234I type EXTERNAL DB2 SECURITY EXIT LOADED

Explanation: RECOVER PLUS will use the type of external security indicated by type (RACF, ACF2, or Top Secret).

User response: This is an informational message. No action is required.

BMC40235W DSNX@XAC DISABLED DUE TO EXPLRC1 value1 EXPLRC2 value2 IN value3, DIAG INFO:diagnosticInformation

Explanation: A bad return code was received for the external security exit and you cannot use the exit.

User response: Refer to the IBM manual regarding the authorization exit and make needed changes based on the values of EXPLRC1 and EXPLRC2.

BMC40236i DB2 AUTHORIZATION CHECKING IS NOT ACTIVE DUE TO DSNZPARM/DSN6SPRM BEING SET TO 'D'ISABLE

Explanation: During the installation of the DB2 system, DB2 authorization was turned off. There is no authorization done.

User response: This is an informational message. No action is required.

BMC40237S YOU HAVE ALTERED AN INDEX PIECESIZE FROM n1K TO n2K. YOU MUST REBUILD THE INDEX

Explanation: You have specified RECOVER INDEX with OPTIONS INDEXLOG YES for an index for which you have issued an ALTER PIECESIZE command. RECOVER INDEX will work for such an index only if DSNUM ALL is specified or defaulted for the recovery, and only if the input image copy is DSNUM ALL.

User response: You can change the RECOVER INDEX command input to a REBUILD INDEX command and resubmit your run. If this is a large, nonpartitioned index for a partitioned table space, you have the option of using RECOVER UNLOADKEYS and RECOVER BUILDINDEX, which will be faster. (See Example 6: Extracting nonpartitioned index keys and Example 7: Building a nonpartitioned index in the RECOVER PLUS for DB2 Reference Manual.)
Another alternative is to ALTER INDEX to set the PIECESIZE value back to what it was, run RECOVER PLUS with OUTCOPY ONLY and OPTIONS OUTCOPY ASCODED to create a DSNUM ALL image copy. Then ALTER INDEX to set the PIECESIZE to the desired value, and then rerun your recovery. This procedure might be significantly faster for a large index with relatively few updates.

**BMC40238E**

**BMXCOPY MISMATCH**

*Explanation:* RECOVER PLUS has detected that the DB2 table BMXCOPY, which is used to register SYSCOPY events for COPY NO indexes, is not the same table used by the COPY PLUS plan named in installation option PLANACP or the REORG PLUS plan named in installation option ARUPLAN. Message BMC40239 follows to indicate which products and table names are involved in the mismatch.

*User response:* Examine the plan names and table names in message BMC40239. If the plan names displayed are correct for the products named, you must re-create the synonyms for the BMXCOPY table so that RECOVER PLUS, COPY PLUS, and REORG PLUS all share the same table. Alternatively, you can remove the values for PLANACP and/or PLANARU in the AFR $OPTS installation module to disable this checking.

---

**Note**

Failure to share the BMXCOPY table can result in unpredictable results if RECOVER PLUS is unable to detect BMXCOPY events that affect recovery.

**BMC40239I**

*productName* PLAN *planName* USES *bmcxcopyTableName*

*Explanation:* This message follows BMC40238 and provides further information about the mismatch of BMXCOPY table names.

*User response:* See BMC40238.

**BMC40240S**

**FOUND HIGH USED RBA OF ZERO FOR DATASET NAME = dataSetName**

*Explanation:* When connecting to a data set, RECOVER PLUS found this one to have a high used RBA of zero. An empty data set should have at least a header page and a space map.

*User response:* Recreate your data set and resubmit the job.

**BMC40242W**

**WORKDDN DD *ddname* SPECIFIED AS DUMMY - ASSUMING NOWORKDDN**

*Explanation:* You have coded a SYSUT1 DD in the JCL that specifies DUMMY or DSN=NULLFILE, or you have coded a WORKDDN that specifies DUMMY or DSN=NULLFILE. If a REBUILD INDEX or RECOVER INDEX is being performed, this is a warning and the recovery will proceed as if NOWORKDDN had been coded. If a RECOVER UNLOADKEYS is being performed, this is an error and the recovery step will be terminated.

*User response:* For REBUILD INDEX or RECOVER INDEX, no action is required. However, if the recovery fails, the keys will have to be extracted from
the table space again when the recovery is restarted. For RECOVER UNLOADKEYS, correct the DD statement to specify a data set.

**BMC40243I**  
**DATA SHARING ENABLED AT LRSN X'logPoint'**  
*Explanation:* This informational message will be displayed if the DB2 subsystem for which the recovery job is running has been converted from non-data-sharing subsystem to a data sharing subsystem. X'log point' is the LRSN at which the conversion occurred.  
*User response:* No action is required.

**BMC40244I**  
**DATA SHARING DISABLED AT LRSN X'logPoint'**  
*Explanation:* This informational message will be displayed if the DB2 subsystem for which the recovery job is running has been converted from data sharing to a non-data-sharing subsystem. X'log point' is the LRSN at which the conversion occurred.  
*User response:* No action is required.

**BMC40245I**  
**MERGE NOT PERFORMED BECAUSE A BACKOUT OR LOGONLY RECOVERY HAS NO WORK TO DO (NO LOG RECORDS)**  
*Explanation:* This is an informational message indicating that a merge step has been bypassed because an operation (BACKOUT or LOGONLY recovery) that consists of applying updates to the space has been planned, and there are no updates to the space. Under these circumstances, the data set or data sets for the space will not be allocated or opened, unless a point-in-time LOGONLY recovery is being run (when the level ID in the header page must be updated).  
*User response:* No action is required.

**BMC40246W**  
**INVALID VALUE OF X'hexByte' FOR HPGIRIDL CHANGED TO X'hexByte'**  
*Explanation:* The invalid value found in the index header page has been corrected during index recovery. The new value should be X'04' if the index is for a non-LARGE table space, and X'05' if it is for a LARGE table space. If the value found was X'40', you have encountered a symptom of RECOVER PLUS problem number 323932, which inserted this invalid value during RECOVER (rebuild) INDEX. This bug existed in RECOVER PLUS V2.2 and V2.3. If you are using DB2 V5, you may have other pages in your index that have been corrupted. BMC provides a REXX exec to check for occurrences of this bug; you should consider running this to check your other indexes.  
*User response:* If you are running using DB2 V4, this index space is now corrected; you should run the REXX exec mentioned above to check your other indexes. You can contact BMC Customer Support for help with the REXX exec. If you are using DB2 V5, you should rebuild this index to ensure that it is correct.
BMC40247E  A LOGONLY RECOVERY HAS BEEN REQUESTED FOR AN EMPTY SPACE (HIGH USED RBA IS ZERO)

Explanation: You have requested a LOGONLY recovery of a space, and RECOVER PLUS has found it has no data while attempting to read the header page to obtain an RBA from which to apply log records. This is probably because you have deleted and redefined the VSAM data set for the space.

User response: You can run a recovery using an image copy if you have one, or you can restore the data set from a pack backup or a DSN1COPY image before retrying this recovery.

BMC40248I  DATA SET dataSetName CATALOGED

Explanation: The data set name shown has been successfully cataloged.

User response: No action is required.

BMC40249S  ERROR CATALOGING DATA SET, CATALOG RC = reasonCode

Explanation: There was an error cataloging a data set. The name of the data set is displayed in a subsequent message.

User response: Contact BMC Customer Support.

BMC40250I  RECALL OF dataSetName SUCCESSFUL

Explanation: The archived data set dataSetName was successfully recalled.

User response: No action is required.

BMC40251I  UNABLE TO RECALL dataSetName, RC = reasonCode

Explanation: The archived data set dataSetName cannot be recalled.

User response: Contact BMC Customer Support.

BMC40252I  WAITING FOR ARCHIVE DATASET RETRIEVAL

Explanation: RECOVER PLUS is waiting for an archived data set to be recalled.

User response: No action is required.

BMC40253E  EXPECTING OBID obid1, FOUND obid2

Explanation: RECOVER PLUS had problems obtaining the OBID of an index.

User response: Check the DBD to make sure it is consistent with the catalog. If there are no problems with the DBD, contact BMC Customer Support.

BMC40254E  NO ARCHIVE LOG MODE(QUIESCE) COMMAND FOUND

Explanation: An operation using the log point of the last ARCHIVE LOG MODE(QUIESCE) command was requested, but no ARCHIVE LOG MODE(QUIESCE) command is registered in the BSDS.
An -ARCHIVE LOG MODE(QUIESCE) record must exist on the BSDS in order to successfully use the TOLOGPOINT LASTARCHQ syntax.

User response: You must select a log point for your recovery instead of using the LASTARCHQ keyword.

**BMC40255E**  
**NO SUBSYSTEM SHUTDOWN CHECKPOINT FOUND**

Explanation: An operation using the log point of the last successful STOP DB2 command was requested, but no subsystem shutdown checkpoint was registered in the BSDS. Abnormal termination of DB2 does not result in a subsystem shutdown checkpoint and cannot be used for a FROMRBA or TORBA log point.

User response: You must select a log point for your recovery instead of using the LASTSHUTDOWN keyword.

**BMC40256I**  
**LAST ARCHIVE LOG MODE(QUIESCE) COMMAND AT date time**

Explanation: An operation using the log point of the last ARCHIVE LOG MODE(QUIESCE) command was requested. This message displays the date and time of that command.

User response: No action is required.

**BMC40257I**  
**LAST SUBSYSTEM SHUTDOWN AT date time**

Explanation: An operation using the log point of the last successful subsystem shutdown was requested. This message displays the date and time of the last successful subsystem shutdown.

User response: No action is required.

**BMC40258W**  
**LASTSHUTDOWN SPECIFIED FOR A DATA SHARING MEMBER**

Explanation: This message indicates that an operation using the LRSN of the last successful subsystem shutdown was requested for a member of a data sharing group. However, the LRSN of that shutdown does not necessarily represent a point of data consistency for the entire data sharing group. Before relying on this value as a point of data consistency, ensure that one of the following conditions is true:

- The subsystem on which the RECOVER PLUS job is executed was stopped after all other members of the data sharing group had been stopped and before any of the other members was restarted.

- Updates to the spaces in this RECOVER PLUS job originated only from the subsystem on which the job is executed.
All updates to the space had been committed before any member subsystem was stopped during the most recent shutdown of all members.

*User response:* If any of the conditions described above is true, no action is required. If none of the conditions is true, the space or spaces involved in the recovery may be left in an inconsistent state.

**BMC40259E**

**REBUILD INDEX OR RECOVER UNLOADKEYS WAS REQUESTED ON A RESTART FOR UNRECOVERABLE TABLE SPACE databaseName.tableSpaceName**

*Explanation:* A restarted job has requested a REBUILD INDEX or RECOVER UNLOADKEYS for a table space that was flagged as unrecoverable because of unavailable recovery resources in a previous run.

*User response:* If the recovery resources are still unavailable, remove the REBUILD INDEX or RECOVER UNLOADKEYS statements for the unrecoverable space and restart the job. However, if the recovery resources have been made available since the original job, specify NEW for the restart parameter and resubmit the job.

**BMC40260E**

**UKSORT OPTION IN EFFECT BUT SKEY файл ddname IS NOT SORTED**

*Explanation:* The unloadkeys file from the RECOVER UNLOADKEYS execution is not sorted.

*User response:* Ensure that the RECOVER UNLOADKEYS step was run with the most current release of RECOVER PLUS (RECOVER PLUS version 3.4.00 or later).

**BMC40261I**

**LOG DATASET dataSetName IS MISSING FROM THE MVS CATALOG**

*Explanation:* The named log data set or change accumulation file is not in the MVS catalog. (If a change accumulation file is not available, log will be used if available.)

*User response:* Determine why the log data set is not cataloged.

**BMC40262I**

**THE PRECEDING COPY IS NOT AVAILABLE, THE COPY WILL NOT BE USED.**

*Explanation:* An input image copy data set is not available for use. This could be because a cataloged image copy is not found in the MVS catalog, an uncataloged copy has been deleted, or the image copy is unusable. Fallback processing is attempted.

*User response:* If the job is successful, no action is required. Otherwise, if fallback is not desired, determine why the input image copy data set is not available and start the job with the NEW restart parameter. If fallback is desired, start the job with the RESTART restart parameter.

**BMC40263W**

**ACTIVE LOG COPIES ARE INCONSISTENT, SO LOGCOPY2 WILL BE IGNORED. BOTH START AT X'\text{rba}'**

*Explanation:* Two active log file records have been found in the BSDS. Their start RBA values are equal, but they differ in end RBA, start LRSN, or end
LRSN. RECOVER PLUS ignores the second copy of this active log, and proceeds, terminating with a return code 4. Immediately following this message, the data set names of both log files are reported, and internal control blocks describing the BSDS entries are dumped.

*User response:* If the recovery ends with return code 4, and you are satisfied that the first copy of this active log was usable, no action is required. You can contact BMC Customer Support and ask them to check the dumped information.

**BMC40264S**

**LOG FILES DIFFER IN END RBA, START LRSN, OR END LRSN. BOTH START AT RBA X'\text{rba}'**

*Explanation:* This is a fatal error message that indicates that an unexpected condition has been found in the BSDS. Two log file entries have the same start RBA but differ in either end RBA, start LRSN, or end LRSN. The data set names of the two files are reported following this message, and internal control blocks describing the BSDS entries are dumped in the SYSERR.

*User response:* Contact BMC Customer Support. Please have ready the AFRPRINT, AFRERR, and SYSERR outputs from the failing run.

**BMC40265E**

**NO DATA IN PAGE X'\text{dataPageNum}' BUT SPACE MAP PAGE X'\text{smPageNum}' INDICATES DATA PAGE IS IN USE**

*Explanation:* During physical backout processing of a segmented table space, the utility has detected a page that has no data, indicating backout of a format page log record; however, the segment entry in the space map indicates that the page is in use. This means, that because the page was reused after the mass delete was processed, the utility cannot recover the data from the page using the BACKOUT option. Processing of other spaces in the run should complete normally. This message will be followed by message BMC40266.

*User response:* Refer to message BMC40266.

**BMC40266E**

**THIS PROBABLY INDICATES A BACKOUT OF A MASS DELETE OF A PAGE WHICH HAS BEEN REUSED. YOU MUST RUN A FORWARD RECOVERY**

*Explanation:* During physical BACKOUT processing of a segmented table space, the utility has detected a condition that indicates an attempt to backout a mass delete, which cannot be done because the data in the page cannot be recovered. The exact condition is described in the preceding message or messages.

*User response:* You can run a forward recovery of the table space in error. BMC recommends using the same UTILID as that used in the backout run, with a restart parameter of NEW, to clean up restart information in the BMCSYNC table.
THE LOG RECORD AT LOG POINT X'\text{logPoint}' IS AN UPDATE TO PAGE X'\text{pageNum}' WHICH IS EMPTY

*Explanation:* During physical backout processing of a segmented table space, the utility has detected a log record that reflects an update to a data page that is empty. This message will be followed by message BMC40266.

*User response:* Refer to message BMC40266.

THE LOG RECORD AT LOG POINT X'\text{logPoint}' IS FROM A LOAD OR REORG. YOU HAVE PROBABLY SPECIFIED TOO LOW A LOGPOINT VALUE

*Explanation:* During physical backout processing of a table space, the utility has detected a log record written during a LOAD LOG(YES) or REORG LOG(YES) event. Attempting to backout such a record would leave the table space in an inconsistent condition, so this error message is issued and the recovery is terminated. Log records are written during a LOAD or REORG after the time indicated by the START_RBA of the SYSCOPY row for the LOAD or REORG event. You have probably specified a TOLOGPOINT value that is higher than the START_RBA value but still too low.

*User response:* You can run a forward recovery of the table space in error. BMC recommends using the same UTILID as that used in the backout run, with a restart parameter of NEW, to clean up restart information in the BMCSYNC table. If you want to recover the space to a point in time before the LOAD or REORG, be careful to specify a TOLOGPOINT value that is lower than the START_RBA. If you want to recover to a point in time after the LOAD or REORG, run REPORT RECOVER and specify a LOGPOINT after the log range corresponding to the utility.

PARTITION = partNumber

*Explanation:* The partition number shown provides additional information for a previous message.

*User response:* See the previous message.

WAITING FOR DATASET dataSetName TO BECOME AVAILABLE

*Explanation:* The utility tried to allocate a data set that is unavailable, the volume on which it resides is unavailable, or an appropriate unit is not available. The utility retries allocation of the data set waiting before each attempt.

*User response:* No action is required.

WAITING FOR ANY OF THE FOLLOWING DATASETS TO BECOME AVAILABLE

*Explanation:* The utility cannot allocate any copy of the data set. The utility waits for one of the data sets to become available.

*User response:* No action is required.
BMC40272I  PRIMARY DATASET dataSetName UNAVAILABLE, FALLOBACK TO
ALTERNATE DATASET

Explaination: The primary data set is unavailable. The utility uses the alternate
data set.

User response: No action is required.

BMC40273I  ATTEMPTING RECOVERY FROM phase ERROR

Explaination: An error occurred during a merge, restore, or snap phase. The
error recovery logic is in effect.

User response: Subsequent messages give results of the error recovery. If error
recovery was unsuccessful, review these messages.

BMC40274E  INSTANT SNAPSHOTT COPY FAILURE, FUNCTION = functionName, RC =
returnCode

Explaination: An error occurred while restoring an Instant Snapshot copy. The
error recovery logic is in effect.

User response: Subsequent messages give results of the error recovery. If error
recovery was unsuccessful, review these messages.

BMC40275I  ERROR RECOVERY SUCCESSFUL, PROCESSING WILL CONTINUE

Explaination: Error recovery was successful.

User response: No action is required.

BMC40276S  NO ROWS WERE FOUND IN THE SYSLGRNX TABLE. PLEASE CHECK
THAT THE INSTALLATION OF SYSLGRNX SUPPORT WAS PERFORMED
CORRECTLY

Explaination: RECOVER PLUS did not find any rows in the SYSLGRNX table.

User response: Installation of SYSLGRNX support is performed by the ICOPY
(xxxxICPY) installation job. Check to see if that job ran successfully. If it did, or
if you cannot determine the cause of its failure, contact BMC Customer
Support.

BMC40277S  ELIMINATING MERGE STEP FOR:

Explaination: A merge could not be completed due to an error discovered after
log records were collected or some other unrecoverable process began.
Messages follow showing the database, space, and, if applicable, data set
number.

User response: If the merge failed due to an unavailable copy (for example, a
mount was refused) and the resource has been located, submit a new job to
recover the object. If the copy is not available, restart the job for this object; the
utility will not use the copy again.
**BMC40278S**  
**ELIMINATING RESTORE STEP FOR:**  
*Explanation:* A restore could not be completed. Messages follow showing the database, space, and, if applicable, data set number.  
*User response:* Determine whether the failure was due to an unavailable copy. If so, determine whether the copy can be made available. Submit a new job to recover the object.

**BMC40279S**  
**ELIMINATING BUILD STEP FOR:**  
*Explanation:* A restore or merge phase failed. The index cannot be rebuilt.  
*User response:* Determine how to recover the table space objects and resubmit the index rebuild.

**BMC40280S**  
**ELIMINATING UNLOAD KEYS STEP FOR:**  
*Explanation:* A restore or merge phase failed. The index cannot be rebuilt.  
*User response:* Determine how to recover the table space objects and resubmit the index rebuild.

**BMC40281I**  
**ATTEMPTING RECOVERY FROM LOG ERROR**  
*Explanation:* An error occurred on a log file. Error recovery is attempting to replace the log records with an alternate source.  
*User response:* If error recovery was successful, no action is required. If error recovery failed, examine the other messages.

**BMC40282I**  
**PROCESSING WILL CONTINUE USING AN ALTERNATE LOG DATASET**  
*Explanation:* An error occurred during log processing. An alternate log file will be used.  
*User response:* No action is required.

**BMC40283S**  
**UNABLE TO REPLACE LOG IN ERROR, PROCESSING WILL TERMINATE**  
*Explanation:* A log file could not be used and no replacement was found. Processing requiring this log range will not be completed.  
*User response:* Review the messages regarding failure to obtain one or more copies of these log ranges. If a log file can be made available, submit a new job to complete the run.

**BMC40284E**  
**OUTCOPYDDN dataSetName FOR**  
*Explanation:* This message provides information about a data set name conflict in the job.  
*User response:* See subsequent messages for additional information.
BMC40285E IS USED AS A ddnType FOR

Explanation: This message provides information about a data set name conflict in the job.

User response: See previous and subsequent messages for additional information.

BMC40286W THIS SPACE MAY NOT BE RECOVERABLE BECAUSE THERE IS NO AVAILABLE IMAGE COPY

Explanation: This message is a warning that no usable full image copy was found for a space that is not being recovered, but for which change accumulation or a LOGSCAN is being run. The space may be recoverable, if the log records recording the creation of the space are in the first log range recorded for the space. The utility run will continue with execution, and will accumulate log records for this space.

User response: If this space has existed for a relatively long time, and all image copies have been removed by MODIFY, then the space is unrecoverable, and you should make an image copy of it as soon as possible. If you know that all log ranges for the space are represented on the change accum file, no action is required.

BMC40287I ELAPSED TIME = time1, UTILITY ELAPSED TIME = time2

Explanation: The function identified in a previous message executed for the elapsed time displayed in the first value. The utility has so far executed for an elapsed time represented by the second value.

User response: No action is required.

BMC40288I CPU TIME = time1, UTILITY CPU TIME = time2

Explanation: The function identified in a previous message used CPU time displayed in the first value. The utility has so far consumed the CPU time represented by the second value.

User response: No action is required.

BMC40289S UNABLE TO LOCATE DATASET dataSetName FOR SPACE databaseName.tableSpaceName

Explanation: The data set name is not in the catalog.

User response: Determine why the data set is not cataloged.

BMC40290S DATA SET IS ALREADY CATALOGED

Explanation: RECOVER PLUS is unable to catalog the tape data set named in a subsequent message because it is already cataloged.

User response: Because the data set has been written and closed, you may be able to catalog it manually after removing the existing catalog entry. Note that if this is a registered output image copy, RECOVER PLUS has already inserted a row in SYSIBM.SYSCOPY or BMCXCOPY to represent the new copy as a cataloged data set.
**BMC40291S**

**CONSTRAINT:** *constraintType*

*Explanation:* This message prints the name of a constraint on the phase named in a previous message. It may be preceded by BMC40743S, indicating that the phase could not be scheduled.

*User response:* Refer to the user response for message BMC40743.

**BMC40292S**

**DD NAME = ddname, SEQNO = sequenceNumber**

*Explanation:* This message displays the name and file sequence number of a DD statement. Earlier messages provide the appropriate context and clarification.

*User response:* Refer to the user response for any earlier, related messages.

**BMC40293I**

**PAGE X'hexValue' OF DATASET dataSetName IS BROKEN, CANNOT OBTAIN DIRECTORY PAGE**

*Explanation:* In an attempt to read the directory page, it was found that either the header page or the directory page was broken.

*User response:* Print the page indicated in the message and determine why the page is broken. You may need to perform a forward recovery from another copy or a REBUILD to restore the index. For assistance, contact BMC Customer Support.

**BMC40294I**

**PAGE X'hexValue' OF DATASET dataSetName IS NOT A DIRECTORY PAGE, CANNOT RECOVER ALTERED INDEX**

*Explanation:* The page number of the directory page is stored in the header page. When this page was checked, it was determined that this page was not the directory page.

*User response:* Print the header page and the directory page to determine why this problem occurred. You may need to perform a forward recovery from another copy or a REBUILD to restore the index. For assistance, contact BMC Customer Support.

**BMC40295I**

**LOG FILE EXCLUDED BECAUSE OF ILLOGICAL VALUE**

*Explanation:* The log file named in a subsequent BMC40302 message was excluded from processing for one of the following reasons:

- STARTLRSN is greater than ENDLRSN.
- STARTRBA is greater than ENDRBA.
- The file is stopped and truncated, but not reusable (this should happen only for active logs).
- An archive log has an ENDLRSN of X'FFFFFFFFFFFFF' in data sharing, or an ENDRBA with that value in non-data sharing.
A log file has a start time of zeros (this is checked in both data sharing and non-data sharing). Notice that a STARTRBA of zeros is valid.

Messages BMC40302, BMC40555 and BMC40560 follow this message to display the file name, its STARTRBA and ENDRBA, and its STARTLRSN and ENDLRSN.

**User response:** If the utility continues successfully after allocating an alternate copy of the log file, no action is required.

If the utility fails because this log file is the only source of log records in its range, you must replace its entry in the BSDS as follows, and rerun the utility. Run the DSNJU004 utility to get a Print Log Map for the BSDS (or the BSDS for each member in a data sharing group). Look for the data set name from the BMC40302 message to find the entry or entries in error.

If only one log file's entry is corrupted, you can add 1 to the ENDLRSN of the preceding entry or subtract 1 from the STARTLRSN of the following entry, to get the appropriate LRSN value. If two consecutive file entries are corrupted, run DSN1LOGP against the last page of the first file, and get the LRSN of the last record on the log. That value becomes the ENDLRSN value for that log; add 1 to that value for the STARTLRSN of the next log.

Then run the DSNJU003 utility to DELETE the log file(s), and NEWLOG the entries by specifying DSNNAME, COPY1VOL or COPY2VOL, STARTRBA, ENDRBA, UNIT, CATALOG (if cataloged), STARTLRSN, ENDLRSN, STARTIME, and ENDTIME. All of the values but STARTLRSN or ENDLRSN are copied from the original entry in the Print Log Map.

**BMC40296E**  
**CANNOT PERFORM INDEX RECOVERY SINCE DATA SET IS EMPTY (HIGH USED RBA IS ZERO)**

*Explanation:* The data set containing the header page or the directory page was empty but should not be. The requested recovery is not possible.

*User response:* Check your recovery strategy. For assistance, contact BMC Customer Support.

**BMC40298I**  
**XBMID = xbmld (XBM SUBSYSTEM ID)**

*Explanation:* This messages prints the value of the XBMID option in the AFROPTS module. The XBMID option is either the XBM subsystem name or the XBM group name.

*User response:* No action is required. This message is informational.

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**Messages BMC40300 through BMC40399**

For the RECOVER PLUS for DB2 product, this topic explains each message in the designated range.
<table>
<thead>
<tr>
<th>Code</th>
<th>Message</th>
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<tbody>
<tr>
<td>BMC40300S</td>
<td><strong>INTERNAL ERROR: routine, CODE = code</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> An internal error has occurred.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Contact BMC Customer Support with the routine and code shown in this message. A snap dump is produced in SYSERR that may be useful in diagnosing the problem.</td>
</tr>
<tr>
<td>BMC40301I</td>
<td><strong>TABLESPACE = databaseName.tableSpaceName</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The table space name shown provides additional information for a previous message.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> See previous messages.</td>
</tr>
<tr>
<td>BMC40302I</td>
<td><strong>DSN = dataSetName</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The data set name shown provides additional information for a previous message.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> See previous messages.</td>
</tr>
<tr>
<td>BMC40303I</td>
<td><strong>INDEX = creator.ixname</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The index name shown provides additional information for a previous message.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> See previous messages.</td>
</tr>
<tr>
<td>BMC40304I</td>
<td><strong>RETURN CODE = returnCode</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The return code shown provides additional information for a previous message.</td>
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<tr>
<td></td>
<td><em>User response:</em> See previous messages.</td>
</tr>
<tr>
<td>BMC40305I</td>
<td><strong>DSNUM = dsNum</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The data set number shown provides additional information for a previous message.</td>
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<td></td>
<td><em>User response:</em> See previous messages.</td>
</tr>
<tr>
<td>BMC40306I</td>
<td><strong>COLLECTING KEYS FOR:</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> This message introduces a list of index names. The list indicates the indexes for which keys are being extracted.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> No action is required.</td>
</tr>
<tr>
<td>BMC40307I</td>
<td><strong>DDNAME = ddname</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The ddname shown provides additional information for a previous message.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> See previous messages.</td>
</tr>
</tbody>
</table>
BMC40308E       BACKUP COPY FOR LOCAL SITE CAN NOT BE REGISTERED WITHOUT PRIMARY COPY

Explanation:  An attempt was made to create a local backup image copy but no local primary copy was requested.

User response:  If you want only one copy registered for local use, request it as the primary copy. If you want two copies, code both primary and backup copies.

BMC40309E       BACKUP COPY FOR REMOTE SITE CAN NOT BE REGISTERED WITHOUT PRIMARY COPY

Explanation:  An attempt was made to create a remote backup image copy but no remote primary copy was requested.

User response:  If you want only one copy registered for remote use, request it as the primary copy. If you want two copies, code both primary and backup copies.

BMC40310E       MUST ALSO RECOVER THE FOLLOWING PARTITION(S) FOR databaseName.tableSpaceName:

Explanation:  A point-in-time recovery was requested for this table space and the log point selected for recovery is before a REORG or LOAD REPLACE that altered the partitioning key. The point-in-time recovery must include all partitions that were affected by the REORG or LOAD REPLACE.

User response:  Rerun the recovery, specifying all of the partitions identified by the following BMC40305 messages.

BMC40311S       NONEXISTENT INDEPENDENT DATA SET SPECIFIED FOR:

Explanation:  Output to an independent data set was specified for the object named in message BMC40301 or message BMC40303 that follows this message and the data set named does not exist.

User response:  Allocate all required independent data sets before running the utility.

BMC40312I       MODEL = dataSetName

Explanation:  The model data set name coded by the user is given.

User response:  This message gives additional information for another message. See other messages.

BMC40313I       GROUPNAME = groupName

Explanation:  The change accumulation group name is given.

User response:  This message gives additional information for another message. See other messages.
BMC40314I  REQUIRED DATA SET MISSING FOR SPACE:
Explanation:  A data set required to complete the requested action is not defined. One of the following conditions exists:

- A data set for a VCAT-defined object does not exist.
- A log only (either LOGONLY or LOGAPPLY ONLY) recovery was requested for the object, but its VSAM data set is not defined.
- The BACKOUT option was specified for the object, but its VSAM data set is not defined.
- A table space data set required to satisfy a REBUILD INDEX request is not defined.

BMC40301 or BMC40303 follows this message to identify the object.

User response:  No action is required.

- Create data sets for all needed VCAT-defined objects.
- If the request was for LOGONLY or LOGAPPLY ONLY, the data set must be restored from a backup before the operation can proceed.
- BACKOUT recovery is not possible when the data set is missing. Use RECOVER TABLESPACE or RECOVER INDEX without BACKOUT or REBUILD INDEX instead.
- Recover any table space for which the data set is missing in the same step as any rebuilds for indexes on that table space.

BMC40315I  REDEFINE NO WAS SPECIFIED FOR STOGROUP DEFINED SPACE, BUT DATA SET DOES NOT EXIST
Explanation:  The user specified REDEFINE NO for a STOGROUP-defined object but RECOVER PLUS could not find the data set. The utility will create the data set.

User response:  No action is required if the definition of your recovered data set (based on the STOGROUP) is satisfactory.

BMC40316I  DUPLICATE NAME = dataSetName FOR:
Explanation:  Two independent data set name models for different objects resolved to the same data set name.

User response:  Change one of the models so that all objects have a unique data set name.
INDEX REBUILD WITH INDEPENDENT INTABLESPACE BUT TABLESPACE NOT INDEPENDENT OUTSPACE:

Explanation: An index rebuild specified INDEPENDENT INTABLESPACE and the table space specified is also being recovered in this execution. However, the RECOVER TABLESPACE statement does not specify INDEPENDENT. RECOVER PLUS requires that all INDEPENDENT INTABLESPACE specifications match corresponding table space INDEPENDENT OUTSPACE specifications.

User response: Specify INDEPENDENT OUTSPACE in the RECOVER TABLESPACE statement, making sure that the data set name specified matches the data set name specified for INDEPENDENT INTABLESPACE in the index rebuild.

INDEX REBUILD WITH INDEPENDENT INTABLESPACE CONFLICTS WITH NAME ON INDEPENDENT OUTSPACE FOR TABLE SPACE:

Explanation: The data set name specified with INDEPENDENT INTABLESPACE in a REBUILD INDEX statement is different from the data set name specified with INDEPENDENT OUTSPACE in the RECOVER TABLESPACE statement for the table space over which the index is defined.

User response: Specify the same data set name for the index INDEPENDENT INTABLESPACE and the table space INDEPENDENT OUTSPACE options.

TABLE SPACE RECOVERY WITH INDEPENDENT OUTSPACE BUT INDEX RECOVERY DOES NOT SPECIFY INDEPENDENT OUTSPACE:

Explanation: An index rebuild was attempted for an index over a table residing in a table space that is being recovered using INDEPENDENT OUTSPACE but the REBUILD INDEX statement does not include an INDEPENDENT OUTSPACE specification. RECOVER PLUS does not allow the rebuilding indexes into DB2 data sets when the corresponding table space recovery is to a non-DB2 data set.

User response: Do one of the following:

- If you want to use non-DB2 data sets as the targets for your recovery, specify INDEPENDENT OUTSPACE in the REBUILD INDEX statement.
- If you want to use the real DB2 data sets as the targets of your recovery, eliminate the INDEPENDENT OUTSPACE specification in the RECOVER TABLESPACE statement.

INDEPENDENT INTABLESPACE SPECIFIED BUT INDEX REBUILD DOES NOT SPECIFY INDEPENDENT OUTSPACE:

Explanation: RECOVER PLUS requires that the target of an index rebuild from a non-DB2 (independent) table space data set must be to another non-DB2 data set.

User response: Do one of the following:
If you want to use non-DB2 data sets as the targets for your recovery, specify INDEPENDENT OUTSPACE in the REBUILD INDEX statement.

If you want to use the real DB2 data sets as the targets of your recovery, eliminate the INDEPENDENT INTABLESPACE in the REBUILD INDEX statement.

**BMC40321I**  
**INDEPENDENT INTABLESPACE SPECIFIED ON ONE INDEX RECOVERY AND NOT ON ANOTHER FOR SAME SPACE:**

*Explanation:* RECOVER PLUS requires all index rebuilds on a given table space to use the same table space image.

*User response:* Do one of the following:

- If you want to recover from non-DB2 data sets, use the same INDEPENDENT INTABLESPACE specifications for all independent index rebuilds on that table space.

- If you want to recover from the real DB2 table space image, eliminate the INDEPENDENT INTABLESPACE specification.

**BMC40322I**  
**INCONSISTENT INDEPENDENT INTABLESPACE NAMES SPECIFIED FOR INDEX RECOVERIES:**

*Explanation:* RECOVER PLUS requires all index rebuilds on a given table space to use the same table space image.

*User response:* Use the same INDEPENDENT INTABLESPACE specifications for all independent index rebuilds from the same table space.

**BMC40323I**  
**RECOVER TOLOGPOINT LASTQUIESCE FOR OBJECT**

*Explanation:* TORBA/TOLOGPOINT LASTQUIESCE was specified for the table space or index. Subsequent messages identify the table space or index name. This message introduces information about copies not considered because they are registered after the quiesce.

*User response:* No action is required.

**BMC40324I**  
**DISCARDING COPY:**

*Explanation:* This message can occur in one of the following conditions:

- The image copy shown was ignored during TORBA LASTQUIESCE recovery processing because it was made after the last quiesce for the data set shown in the accompanying message BMC40302.

- An inline copy was ignored due to limitations on the use of inline copies.

A message explaining the reason for discarding follows.

*User response:* No action is required.
RECOVER TOCOPY LASTCOPY SPECIFIED BUT NO USABLE COPY FOUND IN SYSIBM.SYSCOPY:

Explanation: No usable image copy for the space shown in the accompanying message BMC40301 was found in SYSIBM.SYSCOPY (for table spaces and COPY YES indexes) or BMCXCOPY (for COPY NO indexes).

User response: If sufficient log records exist to recover the space, you may attempt a recovery to the required log point. Otherwise, the space is not recoverable.

RECOVER TORBA LASTQUIESCE SPECIFIED BUT NO QUIESCE FOUND:

Explanation: No quiesce point was found in SYSIBM.SYSCOPY for the table space shown in the accompanying message BMC40301; or if the accompanying message is BMC40303, naming an index, no quiesce point was found in SYSIBM.SYSCOPY for the related table spaces.

User response: You must select a log point for your recovery rather than specifying LASTQUIESCE.

RECOVER FROMRBA LASTQUIESCE SPECIFIED BUT NO QUIESCE FOUND:

Explanation: No quiesce point was found in SYSIBM.SYSCOPY for the table space shown in the accompanying message BMC40301; or if the accompanying message is BMC40303, naming an index, no quiesce point was found in SYSIBM.SYSCOPY for the related table spaces.

User response: You must select a log point for your recovery rather than specifying LASTQUIESCE.

RECOVER FROMRBA LASTCOPY SPECIFIED BUT NO COPY FOUND:

Explanation: No image copy was found in SYSIBM.SYSCOPY (for table spaces and COPY YES indexes) or BMCXCOPY (for COPY NO indexes) for the space shown in the accompanying message (BMC40301 or BMC40303).

User response: You must select a log point for your recovery rather than specifying LASTCOPY.

RECOVER TOLOGPOINT LASTQUIESCE FOR MULTIPLE SPACES BUT LAST QUIESCE IS NOT COMMON

Explanation: The utility requires that all spaces recovered in a single RECOVER statement have a common last quiesce point if TORBA/TOLOGPOINT LASTQUIESCE is requested.

User response: If you want to process spaces to different last quiesce points, use multiple RECOVER statements.

QUIESCE = X'logPoint'

Explanation: This message provides additional information for a previous message.

User response: No action is required.
BMC40331W  UNABLE TO RECORD FALLBACK IN BMCSYNC - COLUMN SIZE EXCEEDED
Explanation: An internal error has occurred.
User response: Contact BMC Customer Support.

BMC40332W  COPIES NOT REGISTERED FOR databaseName.tableSpaceName
             BECAUSE OF keyword KEYWORD IN RECOVER STATEMENT
Explanation: The utility cannot register copies made because of the keyword shown.
User response: No action is required.

BMC40333I  TABLESPACE SCAN FOR SYSTABLEPART STARTED FOR n OBJECTS
Explanation: Fast Catalog Access failed or was not attempted for the number of objects specified. SYSTABLEPART is scanned to obtain necessary information.
User response: No action is required.

BMC40334I  TABLESPACE SCAN FOR SYSINDEXPART STARTED FOR n OBJECTS
Explanation: Fast Catalog Access failed or was not attempted for the number of objects specified. SYSINDEXPART is scanned to obtain necessary information.
User response: No action is required.

BMC40335I  function STARTING date time
Explanation: The specified function began executing at the date and time shown.
User response: No action is required.

BMC40336I  function FINISHED.
Explanation: The specified function finished executing. Subsequent messages display the elapsed and CPU times for the function.
User response: No action is required.

BMC40337S  FAILURE IN UTILID BUILD, RETURN VALUE = returnCode
Explanation: A job failed while trying to build the default utility ID. Your utility ID should be in the form jobName.userID.
User response: Contact BMC Customer Support.

BMC40338I  LAST COPY FOUND PRIOR TO LAST QUIESCE
Explanation: You specified FROMRBA LASTCOPY with TORBA
             LASTQUIESCE in a LOGAPPLY ONLY recovery. The internal search sequence used by RECOVER PLUS found that the last quiesce occurred before the last image copy, making the recovery invalid.
User response: Modify the FROMRBA/TORBA values so the FROMRBA event occurs before the TORBA event.
FROMRBA > TOLOGPOINT:

Explanation: A FROMRBA was specified with TORBA/TOLOGPOINT in a LOGAPPLY ONLY recovery. The TORBA occurred before the FROMRBA, making the recovery invalid.

User response: Modify the specified log point value so the FROMRBA occurs before the TORBA/TOLOGPOINT event.

ESTIMATION PARAMETER MISMATCH ON LOGSORT STATEMENTS, VALUES WILL BE TREATED AS ESTIMATED

Explanation: Multiple LOGSORT statements are coded in a job step. At least one statement specifies NUMREC ABS while another specifies NUMREC EST. If one statement specifies EST, all statements must follow this strategy.

User response: No action is required. The utility assumes the EST strategy for all statements.

A GROUP ATTACH WAS PERFORMED WITH groupAttachName

Explanation: The RECOVER PLUS job was submitted with a group attachment name instead of a subsystem ID. Refer to BMC40024 to determine the subsystem that was selected for the call attach.

User response: No action is required.

AVERAGE LOG RECORD SIZE GREATER THAN 32756 WAS CODED, CHANGED TO 32756

Explanation: A LOGSORT statement is coded with an AVGRECSZ value greater than 32,576.

User response: No action is required. The utility assumes an average record size of 32,576.

MAY NOT SPECIFY WILDCARDED TABLESPACE WITH SPECIFIC DSNUM

Explanation: A wildcard appeared in place of a table space name. A DSNUM was also coded. This combination is not allowed. If you are performing change accumulation, each partition of partitioned spaces will have separate log ranges recorded.

User response: Remove the DSNUM specification and resubmit the job.

SPACE = databaseName.tableSpaceName

Explanation: The space shown applies to a preceding message.

User response: See preceding messages.

INDEXSPACE = creator.ixname

Explanation: The index space shown applies to a preceding message.

User response: See preceding messages.
BMC40349I  VOLUME = volume
Explanation:  The volume shown applies to a preceding message.
User response:  See preceding messages.

BMC40350I  DATA SET dataSetName WAS SUCCESSFULLY ALLOCATED TO DDNAME ddname
           ELAPSED = hh:mm:ss
Explanation:  The data set named was dynamically allocated to the ddname shown in this message. The elapsed time is roughly the amount of time required for a tape mount, if one was required. This message is displayed when the amount of time required to mount a tape is greater than 30 seconds.
User response:  No action is required.

BMC40351S  FAILURE IN DYNAMIC ALLOCATION OF DATASET dataSetName
Explanation:  The utility dynamically allocates input image copies, logs, input and output change accumulation files, table spaces and index spaces, and data sets specified as output data sets independent of DB2. An allocation has failed.
User response:  If the utility does not recover from the error, review messages that follow for failure information. Consult SVC99 references or contact BMC Customer Support.

BMC40352I  DDNAME ddname (DSN dataSetName) WAS SUCCESSFULLY UNALLOCATED
Explanation:  A dynamically allocated data set is released.
User response:  No action is required.

BMC40353E  FAILURE IN DYNAMIC UNALLOCATION OF DATASET dataSetName
Explanation:  The utility dynamically allocates input image copies, logs, input and output change accumulation files, table spaces and index spaces, and data sets specified as output data sets independent of DB2. A dynamic deallocation failed.
User response:  If the utility does not recover from the error, review message BMC40361 that follows the failure codes. Consult SVC99 references or contact BMC Customer Support.

BMC40354E  IDCAMS FAILURE IN command WITH RC returnCode. OUTPUT FOLLOWS:
Explanation:  The IDCAMS command shown in this message failed with the return code shown.
User response:  Review the output to see if you can recover from the error.
BMC40355S  KEYS FOR creator.ixname NOT ON ddname

Explanation: The ddname shown in this message should contain keys for the index named. The header information for the data set indicates that the keys are not present.

User response: If the execution is a RECOVER BUILDINDEX statement, you may have incorrectly specified the indexes or the DD statement. If so, correct the command or the JCL and restart the RECOVER PLUS run. If the execution is for a REBUILD INDEX statement, contact BMC Customer Support. An internal error has occurred.

BMC40356I  AN IDCAMS 'command' OPERATION WAS SUCCESSFUL ON DATASET dataSetName

Explanation: The command shown in this message was successful for the data set.

User response: No action is required.

BMC40357S  ALLOCATION INFORMATION RETRIEVAL FOR DDNAME ddname FAILED WITH RC returnCode - ERROR CODE = code, INFO CODE = code

Explanation: The utility failed to retrieve allocation information for a data set specified in the JCL.

User response: Contact BMC Customer Support.

BMC40358S  INPUT KEY FILE ddname IS INVALID. CHECK YOUR JCL TO ENSURE THAT THE DATASET CAME FROM A SUCCESSFUL UNLOADKEYS

Explanation: The ddname shown is specified as an input key data set for RECOVER BUILDINDEX. However, this data set is not in the correct format for a data set written during RECOVER UNLOADKEYS execution.

User response: Check your JCL to ensure that all input key data sets were written by a RECOVER UNLOADKEYS job. If the JCL was not correct, correct and submit the RECOVER BUILDINDEX job again. If you believe the data set is correct, contact BMC Customer Support.

BMC40359S  ERROR DURING AUTHORIZATION SWITCH, RC = returnCode, FUNCTION = function

Explanation: The utility options indicate to use DB2's RACF security authority to open DB2 data sets. A failure has occurred in attempting to switch to DB2's authority.

User response: If your security system is not RACF, change the option in the RECOVER PLUS options module and be sure the RECOVER PLUS user has authority on all of the data sets. If you are using RACF, contact BMC Customer Support.

BMC40360I  ERROR DURING JSCB ACCESS, RC = returnCode, FUNCTION = function

Explanation: An internal error has occurred.

User response: Contact BMC Customer Support.
**BMC40361**  **ERROR CODES: codes**

*Explanation:* The codes shown are diagnostic codes that go with previous messages.

*User response:* See preceding messages.

**BMC40362**  **ddname CODED IN REGISTER LIST, BUT NOT IN COPY DDNAME LIST**

*Explanation:* *ddname* was included in the REGISTER *ddname list* option but is not coded in either the OUTCOPYDDN or RECOVERYDDN lists. Also, *ddname* is not the default *ddname* for any copy.

*User response:* Include *ddname* in the appropriate copy list.

**BMC40363**  **REORG LOG(NO) INLINE COPY, STYPE=W**

*Explanation:* The utility is summarizing information about a copy and has identified it to be an inline copy.

*User response:* No action is required.

**BMC40364**  **IDCAMS CREATE FAILED BECAUSE OF INSUFFICIENT SPACE, ON VOLSER volumeSerialNumber**

*Explanation:* RECOVER PLUS tried to create the object's data set on a volume that has no available space.

*User response:* If other volumes in the STOGROUP list have available space, RECOVER PLUS creates the data set on the next volume having available space. If the other volumes do not have available space, you must make space for the data set and then resubmit the recover job.

**BMC40366**  **BUFFER CREATED FOR PAGE SIZE nK, REFRESH = flag**

*Explanation:* This message provides information about the utility's buffers. The page size is 4K, 8K, 16K, or 32K. The refresh flag indicates whether pages in the buffer need to be refreshed from disk.

*User response:* No action is required.

**BMC40367**  **RANDOM BUFFER: NUMBER OF PAGES = pages, MINIMUM CLEAN = cleanPages, NUMBER TO WRITE PER I/O = writes**

*Explanation:* This message provides information about utility buffers.

*User response:* No action is required.

**BMC40368**  **RANDOM BUFFER: MAXIMUM OUTSTANDING WRITES = writes, MAXIMUM OUTSTANDING READS = outreads, HASH HEADS = heads**

*Explanation:* This message provides information about utility buffers.

*User response:* No action is required.
**BMC40369I**  
**SEQUENTIAL BUFFER: NUMBER OF CYLINDERS = cylinders, IDLE CYLINDERS = idleCylinders, CI’S PER CYLINDER = cis**  
*Explanation:* This message provides information about utility buffers.  
*User response:* No action is required.

**BMC40370I**  
**BUFFER MANAGER TERMINATION, GET PAGE COUNT = gpCount, RANDOM SEARCH COUNT = rpCount**  
*Explanation:* This message provides buffer manager performance statistics. 
*User response:* No action is required.

**BMC40371I**  
**CYLINDERS WRITTEN = cylCount**  
*Explanation:* This message provides buffer manager performance statistics. 
*cylCount* is the number of cylinders written.  
*User response:* No action is required.

**BMC40372I**  
**TOTAL WAITS IN BUFFER MANAGER = wtCount**  
*Explanation:* This message provides buffer manager performance statistics. 
*wtCount* is the total number of buffer waits including random read waits, random write waits, and cylinder write waits.  
*User response:* No action is required.

**BMC40373I**  
**RANDOM WRITE WAITS = wrCount, RANDOM READ WAITS = rdCount, RANDOM SYNC WAITS = syncCount**  
*Explanation:* This message provides buffer manager performance statistics.  
*User response:* No action is required.

**BMC40374I**  
**CYLINDER WAITS = cylCount, SEQUENTIAL SYNC WAITS = ssCount**  
*Explanation:* This message provides buffer manager performance statistics. 
*cylCount* is the number of waits for cylinder writes. 
*ssCount* is the number of synchronous waits for cylinder writes.  
*User response:* No action is required.

**BMC40375I**  
**RANDOM READS = rdCount, HITS = htCount**  
*Explanation:* This message provides buffer manager performance statistics. 
*rdCount* is the number of read I/Os issued for random buffer. 
*htCount* is the number of random page requests found in the buffer.  
*User response:* No action is required.
BMC40376I  
PREFETCH COUNT = pfCount, HITS CAUSED BY PREFETCH = cpCount, HITS ON PREFETCH = hpCount  
Explanation: This message provides buffer manager performance statistics. 
   pfCount is the number of prefetch requests. cpCount is the number of prefetched 
   pages used. hpCount is the number of hits on attempted prefetches. 
   User response: No action is required. 

BMC40377  
I RANDOM WRITES = wrCount IN grCount GROUPS  
Explanation: This message provides buffer manager performance statistics. 
   wrCount is the number of random pages written. grCount is the number of write 
   groups written. 
   User response: No action is required. 

BMC40378I  
TOTAL WAIT TIME = time1, RANDOM WRITE TIME = time2, RANDOM READ TIME = time3  
Explanation: This message provides buffer manager performance statistics. 
   It displays the time spent waiting for I/O, performing random writes, and 
   performing random reads. 
   User response: No action is required. 

BMC40379I  
CYLINDER WAIT TIME = time  
Explanation: This message provides buffer manager performance statistics. 
   It displays the time spent performing cylinder wait. 
   User response: No action is required. 

BMC40380I  
text  
Explanation: This message explains a failure in dynamic allocation. 
   User response: See previous message. 

BMC40381W  
UNABLE TO RETURN ALLOCATION MESSAGES, RETURN CODE 
   returnCode, REASON CODE reasonCode, FUNCTION ID function  
Explanation: This message explains a failure in dynamic allocation. 
   User response: See previous message. 

BMC40382E  
FROMLRSN > TOLRSN  
Explanation: A request has been passed to the utility such that the starting 
   LRSN for the objects overall range is higher than the ending LRSN. This 
   message will be followed by additional messages, giving the range of LRSNs, 
   the space name, and the partition if necessary. 
   User response: If you have specified TOLOGPOINT or TORBA, check the value 
   coded and correct it if necessary. Consider changing an incorrect FROMRBA 
   value if you coded one. If this is not the problem, run REPORT RECOVERY for 
   the space and contact BMC Customer Support. 

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BMC40383I  DUPLICATE VOLUME DETECTED/SKIPPED (volumeSerialNumber) WHILE PARSING OPTIONS STOGROUP XXXXX USEORDER(...)

Explanation: A duplicate volume name was found in the USEORDER specification. This volume name is ignored.

User response: No action is required.

BMC40384I  RECOVER TORBA LASTCOMMONQ SPECIFIED BUT NO COMMON QUIESCE FOUND

Explanation: RECOVER . . .TORBA LASTCOMMONQ was requested but RECOVER PLUS is unable to locate a quiesce point in SYSIBM.SYSCOPY that is common to all spaces listed.

User response: Examine the ICTYPE=Q rows in SYSIBM.SYSCOPY for the table spaces listed to determine an appropriate TORBA value for each. If the request includes any indexes, examine the SYSCOPY rows for the associated table space.

BMC40385I  RECOVER TOLOGPOINT LASTCOMMONQ

Explanation: TORBA/TOLOGPOINT LASTCOMMONQ was specified for the activity of the table space or index identified in subsequent messages. This message introduces information about copies not considered because they are registered after the quiesce.

User response: No action is required.

BMC40386S  ELIMINATING WRITE KEYS STEP FOR:

Explanation: A restore or merge phase failed. The index keys cannot be written.

User response: Determine how to recover the table space objects and resubmit the unloadkeys recovery.

BMC40387E  SKEY FILE ddname1 AND ddname2 REFLECT DIFFERENT KEY LENGTHS

Explanation: The SKEY files input into the RECOVER BUILDINDEX contain different maximum key lengths. The indexes in the RECOVER BUILDINDEX SYSIN must correspond with the indexes from a single set of RECOVER UNLOADKEYS. If index1 part 1 and index2 part 1 of a given table space were unloaded in separate jobs, they cannot be recovered with the same RECOVER BUILDINDEX.

User response: Verify that the input files are correct. If multiple RECOVER UNLOADKEYS jobs were generated for different indexes, run multiple RECOVER BUILDINDEX jobs.

BMC40388E  PART n OF creator.ixname HAS BEEN UNLOADED MULTIPLE TIMES

Explanation: A RECOVER BUILDINDEX has found the keys of a given partition and index in multiple input unloadkeys files.

User response: Check the input SKEYDDN statements to be sure that a data set has not been named multiple times. Check the RECOVER UNLOADKEYS output to see if the keys were unloaded properly.
BMC40389I  ERROR READING RECORD OBD FOR creator.tableName CODE = code

Explanation: RECOVER PLUS encountered an error reading the record type object descriptor for the table named.

User response: Note the code value and contact BMC Customer Support.

BMC40390E  NO KEYS WERE FOUND FOR creator.ixname

Explanation: A RECOVER BUILDINDEX was requested using unloadkeys as input. The input SKEYDDN data sets did not contain any keys for the named index.

User response: Check the input SKEYDDN statements to be sure that the data set names are correct. Check the RECOVER UNLOADKEYS output to see if the keys were unloaded properly.

BMC40391E  KEYS FOR PART n OF creator.ixName ARE MISSING

Explanation: A RECOVER BUILDINDEX was requested using unloadkeys as input. The input SKEYDDN data sets did not contain any keys for the named partition and index.

User response: Check the input SKEYDDN statements to be sure that the data set names are correct. Check the RECOVER UNLOADKEYS output to see if the keys were unloaded properly.

BMC40392W  copyType COPIES CANNOT BE USED WITH OUTCOPY ONLY

Explanation: RECOVER PLUS has a restriction that a copyType of an inline copy or an Instant Snapshot copy cannot be used for a space when the OUTCOPY ONLY option has been requested.

User response: No action is required. The OUTCOPY ONLY request will attempt to continue using other available recovery resources.

BMC40394W  COPY GENERATED FROM MERGECOPY WITH AN INLINE COPY CANNOT BE USED

Explanation: RECOVER PLUS has a restriction that a copy generated by MERGECOPY from an inline copy and one or more incrementals cannot be used as a recovery resource.

User response: No action is required. The recover request will attempt to continue using other recovery resources.

BMC40395S  EXCLUSIVE ALLOCATION FAILED, DATASET IS HELD BY ANOTHER USER

Explanation: RECOVER PLUS is trying to delete the underlying space data set and found that it cannot gain exclusive control of the data set because another task or job has an enqueue on the data set.

User response: Find out who has the data set allocated and determine if the enqueue could be removed. Restart or rerun the job when the data set has no conflicting enqueues outstanding against it.
BMC40396E  VERSION versionNumber OF DB2 IS NOT SUPPORTED BY THIS RELEASE OF RECOVER PLUS

Explanation: RECOVER PLUS does not support the version of DB2 that you are running.

User response: Contact BMC Customer Support to obtain supported version information.

BMC40397S  LOG RECORD AT RBA X’hexValue’ CREATED PRIOR TO DB2 V3.1 NOT SUPPORTED

Explanation: The utility has found a log record that was created by a version of DB2 earlier than version 3.1. This log record is not supported by the current release of the utility.

User response: Contact BMC Customer Support.

BMC40398I  LOAD REPLACE LOG(YES) INLINE COPY, STYPE=’R’

Explanation: The utility is summarizing information about a copy and has identified it to be an inline copy.

User response: No action is required.

BMC40399I  LOAD REPLACE LOG(NO) INLINE COPY, STYPE=’S’

Explanation: The utility is summarizing information about a copy and has identified it to be an inline copy.

User response: No action is required.

Messages BMC40400 through BMC40499

For the RECOVER PLUS for DB2 product, this topic explains each message in the designated range.

BMC40400I  REORG LOG(YES) INLINE COPY, STYPE=’X’

Explanation: The utility is summarizing information about a copy and has identified it to be an inline copy.

User response: No action is required.

BMC40401I  EXTENT ALLOCATED FOR TABLE SPACE databaseName.tableSpaceName

Explanation: An extent was allocated successfully for the table space named.

User response: No action is required.
**BMC40402W**  
*copyType* COPIES CANNOT BE USED WITH SIMULATE OPTION  
*Explanation:* RECOVER PLUS does not support the use of a *copyType* of inline copy or Snapshot Copy with the SIMULATE option.  
*User response:* No action is required. The recover request will attempt to continue using other recovery resources.

**BMC40403I**  
**EXTENT ALLOCATED FOR INDEX SPACE** creator.indexName  
*Explanation:* An extent was allocated successfully for the index space named.  
*User response:* No action is required.

**BMC40404I**  
**BLKSIZE FOR** ddname **CHANGED FROM** blockSize1 **TO** blockSize2  
*Explanation:* The JCL for this job specified a block size for the data set ddname, or the data set already exists and is being overwritten. The block size specified is incompatible with that of another data set that must use the same buffer.  
*User response:* No action is required. However, in general it is best to allow the utility to determine the block size for output data sets.

**BMC40405I**  
**DISCONNECT SUCCESSFUL FOR** dataSetName  
*Explanation:* The utility is ending abnormally. The data set name shown (an index or table space data set) is disconnected.  
*User response:* No action is required for this message. Investigate the other messages for the reason the utility is ending abnormally.

**BMC40406I**  
**DISCONNECT FAILED FOR** dataSetName  
*Explanation:* The utility is ending abnormally. A disconnect request was issued for the data set name shown, but the request failed. The utility assumed the data set (an index or table space data set) was connected.  
*User response:* Before restarting the job, check the status of the data set named in the message and contact BMC Customer Support.

**BMC40407I**  
**UNABLE TO function DATASET** dataSetName  
*Explanation:* The utility cannot define or extend the named data set.  
*User response:* Resolve the error specified in the IDCAM messages.

**BMC40409I**  
**LOG RECORDS READ: n1, SENT TO SORT: n2, APPLIED: n3**  
*Explanation:* This is an informational message that is received when RECOVER PLUS has detected a DM ERROR and is dumping out all of the log records in its internal buffers. This message lets you know how many records RECOVER PLUS has processed.  
*User response:* Submit this information to BMC Customer Support when reporting the DM error.
BMC40410I  RBA X'hexValue1' URID X'hexValue2' LRSN 'hexValue3' DBID X'hexValue4'
Explanation: This is an informational message that explains information pertaining to a log record being dumped due to a DM ERROR.
User response: Submit this information to BMC Customer Support when reporting the DM error.

BMC40411I  OBID X'hexValue1' PAGE 'hexValue2' TYPE value1 SUBTYPE value2
Explanation: This is an informational message that explains information pertaining to a log record being dumped due to a DM ERROR.
User response: Submit this information to BMC Customer Support when reporting the DM error.

BMC40412I  TIMESTAMP timestampValue (GMT) - NODELTA
Explanation: This message is produced along with BMC40410 and BMC40411 if the DB2 subsystem is a data sharing subsystem. The timestamp is representative of the LRSN.
User response: Submit this information to BMC Customer Support when reporting the DM error.

BMC40413I  TOTAL NUMBER OF LOG RECORDS DUMPED: n
Explanation: This is the total number of log records that have been dumped due to a DM ERROR. This message is associated with BMC40410, BMC40411, and BMC40412.
User response: Submit this information to BMC Customer Support when reporting the DM error.

BMC40414I  INPUT CHANGE ACCUM FILE FOUND. IT IS POSSIBLE THAT NOT ALL LOG RECORDS WILL BE DUMPED
Explanation: This is an informational message indicating that a change accumulation file was found to be involved in the recovery of this space and could contain some log records associated with the DM ERROR. There is a possibility that not all DB2 log records will be dumped in the output listing.
User response: Contact BMC Customer Support.

BMC40415I  ALL LOG RECORDS FOUND ON INPUT CHANGE ACCUM FILE
Explanation: This is an informational message indicating that all of the log records associated with the recovery of this space were found to be on a change accumulation file.
User response: Contact BMC Customer Support.
BMC40416I  
**IT IS POSSIBLE THAT NOT ALL LOG RECORDS FOR THE PAGE COULD BE FOUND IN THE BUFFERS**

*Explanation:* This is an informational message indicating that there is a possibility that not all of the log records associated with the recovery of the space were dumped due to the large number of records involved.

*User response:* Run DSN1LOGP to dump the log records associated with this recovery and submit this information to BMC Customer Support when reporting the DM error.

BMC40417I  
**number VSAM DATA SETS NOW ALLOCATED**

*Explanation:* This message displays the number of VSAM data sets currently allocated.

*User response:* No action is required.

BMC40418I  
**VSAM ALLOCATION SUBTASK WILL PAUSE**

*Explanation:* A subtask dispatched to perform VSAM utility functions will pause, either because the maximum number of currently allocated VSAM data sets has been reached, or because the subtask must wait on some other event to continue.

*User response:* No action is required.

BMC40419I  
**VSAM ALLOCATION SUBTASK WILL RESUME**

*Explanation:* A subtask dispatched to perform VSAM utility functions was previously paused but will now resume. Message BMC40418I was issued at the time the subtask paused.

*User response:* No action is required.

BMC40420E  
**AN INSTANT SNAPSHOT COPY WAS FOUND FOR**

*databaseName.tableSpaceName/*ixCreator.ixName BUT AN XBM SUBSYSTEM ID WAS NOT SPECIFIED*

*Explanation:* An Instant Snapshot copy is required for the recovery of the object named by *databaseName.tableSpaceName* (or *ixCreator.ixName* for RECOVER INDEX), but RECOVER PLUS could not determine the name of an XBM subsystem.

*User response:* Specify the subsystem ID of an operational XBM subsystem in the XBMID parameter of the AFROPTS installation module or in the XBMID parameter of the OPTIONS statement.
BMC40421E  AN INSTANT SNAPSHOT COPY WAS FOUND FOR
databaseName.tableSpaceName/ixCreator.ixName BUT THE XBM
INTERFACE MODULE moduleName COULD NOT BE LOADED

Explanation: An Instant Snapshot copy is required for recovery of the named object, but RECOVER PLUS could not load the XBM interface module specified by moduleName.

User response: Add a library containing the specified XBM module to the STEPLIB, JOBLIB, or LINKLIB list.

BMC40422E  AN INSTANT SNAPSHOT COPY WAS FOUND FOR
databaseName.tableSpaceName BUT XBM SUBSYSTEM ssid IS NOT ACTIVE

Explanation: The XBM subsystem ID, ssid, is not defined in the system or is not available to process an Instant Snapshot copy for the named object.

User response: Make the XBM subsystem active or specify a different XBM subsystem in AFROPTS or on the OPTIONS statement.

BMC40423S  FILE SYSIN HAS WRONG RECFM OR LRECL VALUE. RECFM=F(FB) AND
LRECL=80 ARE EXPECTED

Explanation: The DD SYSIN specifies an input data set for RECOVER PLUS. However, this data set is not in the correct format. The SYSIN data set has to have RECFM=F (or FB) and LRECL=80.

User response: Check your JCL to ensure that the SYSIN data set is correct. If the SYSIN data set is not correct, fix it, and submit the job again. If you believe the data set is correct, contact BMC Customer Support.

BMC40424E  AN INSTANT SNAPSHOT COPY AND A FULL IMAGE COPY EXIST AT THE
SAME LOG POINT FOR databaseName.tableSpaceName

Explanation: The named object is multi-data-set, nonpartitioned and a DSNUM ALL recovery has been requested. However, RECOVER PLUS has found a mixture of Instant Snapshot and normal full image copies for the individual data sets of the object. The data set copies must all be of the same type in order to be used for a DSNUM ALL recovery.

User response: Recover the individual data sets of the object using DSNUM n recoveries. If you desire a DSNUM ALL recovery, make sure that all data sets of the object reside on hardware devices that support Instant Snapshot copies.

BMC40425W  ALL SEGMENT ENTRIES FOR THIS TABLE WILL BE MARKED UNUSED IN
THE SPACE MAP

Explanation: This message follows messages 40759 and 40761. This message indicates that data has been found for a table that is not being translated but which matches the target OBID of a table that is being translated. This data would be unusable and therefore the utility deletes it from the table space.

User response: If the source OBID mentioned in message 40759 is for a table that you do not want to migrate, no action is necessary. If you think you do need the data, you must rerun the utility and specify an OBID translation for the table.
**BMC40426E**

**REBUILD INDEX/RECOVER UNLOADKEYS/DROPRECOVERY NOT SUPPORTED FOR TABLE SPACE **databaseName.tableSpaceName** WHICH INCLUDES DEFINE NO OBJECT(S)**

*Explanation:* A REBUILD INDEX, RECOVER UNLOADKEYS, or DROPRECOVERY fails if the underlying table space or partition of that table space uses DEFINE NO.

*User response:* Change the recovery request or the underlying table space or partition of that table space so that DEFINE NO is not used or so that its status is not undefined and resubmit the job.

**BMC40427W**

**number OBJECTS HAVE UNDEFINED STATUS AND WILL NOT BE PROCESSED**

*Explanation:* This message reports a count of DEFINE NO objects found in the analyze phase. RECOVER PLUS does not process these objects.

*User response:* No action is required.

**BMC40428S**

**DETECTED UPDATE TO DBD01 PAGE pageNum AT LRSN logPoint**

*Explanation:* The utility has detected an unexpected, updated page while analyzing DSND01.DB01 in preparation for BACKOUT recovery. This indicates that there was update activity during a subsystem-level recovery.

*User response:* Quiesce all update activity during a subsystem-level recovery.

**BMC40429I**

**TABLE SPACE databaseName.tableSpaceName QUIESCED AT LOGPOINT logPoint**

*Explanation:* This message indicates that the utility has successfully invoked the DB2 Quiesce Utility to quiesce the table space at the log point indicated.

*User response:* No action is required.

**BMC40430I**

**productName**

*Explanation:* This message displays the product name.

*User response:* No action is required.

**BMC40431E**

**RECOVER TO CURRENT NOT ALLOWED DUE TO REFP STATUS**

*Explanation:* The DB2 backout of this object has not completed due to a -RECOVER POSTPONED CANCEL or -CANCEL THREAD NOBACKOUT command.

*User response:* You must recover this object to a point before the incomplete unit of work.

**BMC40432W**

**DCS API ERROR: FUNCTION=functionName, RC=returnCode, ERROR CODE=errorCode**

*Explanation:* This is an informational message that indicates that the code to set or unset pending codes (such as, RECP, RBDP) has abended. This may indicate a problem in DB2, a bug in RECOVER PLUS code, or an operational problem.
An SVC dump should have been taken to document the original problem. This message should be followed by message 40098W to document the specific pending code and the space involved.

**User response:** Check the system log to see if an SVC dump was taken, and send the dump to BMC Customer Support.

**BMC40433I**  
**TERMINATION REQUESTED AFTER PARSING AND ANALYSIS**

**Explanation:** The utility was invoked for parsing and analysis only.

**User response:** No action is required.

**BMC40434E**  
**BACKOUT RECOVERY CANNOT GUARANTEE THE CONSISTENCY OF THE DATA AT THE REQUESTED POINT IN TIME**

**Explanation:** BACKOUT cannot correctly recover the space to the requested point in time. Recovery to the middle of a unit of work may have been requested.

**User response:** Check the requested point in time. If the point is correct, use a forward recovery instead of BACKOUT.

**BMC40435S**  
**IMAGE COPY DATA SET CONTAINS x PAGES, BUT ONLY y WERE READ**

**Explanation:** The number of pages stored in SYSCOPY COPYPAGESF for the full image copy used in recovery does not match the actual number of pages read by the recover utility.

**User response:** You should restart the utility, allowing the utility to fallback to a previous image copy.

**BMC40436S**  
**SNAPSHOT COPY IS NOT COMPATIBLE WITH THE SPACE**

**Explanation:** The Snapshot Copy is defined with VSAM Extended Addressability and the allocated space for the copy is greater than 4 gigabytes, but the data or index space being recovered has a maximum capacity of 4 gigabytes because it is not defined with Extended Addressability. This message will be followed by a message or messages describing the space that you were attempting to recover.

**User response:** Make sure that the Snapshot Copy and the space that you are attempting to recover are both defined with VSAM Extended Addressability.

**BMC40437W**  
**NOLOGSORT OPTION IS UNSUPPORTED, NOLOGSORT IS BEING OVERRIDDEN WITH LOGSORT**

**Explanation:** RECOVER PLUS ignores the NOLOGSORT option (beginning with RECOVER PLUS version 3.4.00). Logs are always sorted.

**User response:** No action is required for RECOVER PLUS version 3.4.00. However, this option will not be recognized in later releases of RECOVER PLUS and will cause an error if coded.
BMC40438E  NOUKSORT OPTION IS UNSUPPORTED

Explanation: The NOUKSORT option is not supported (beginning with RECOVER PLUS version 3.4.00).

User response: Remove the NOUKSORT option and update the JCL replacing the UNLOAD DD statements with one SKEY DD statement.

BMC40439W  UKSORT OPTION WILL BE IGNORED

Explanation: RECOVER PLUS does not support the NOUKSORT option (beginning with RECOVER PLUS version 3.4.00). UKSORT is assumed.

User response: No action is required for RECOVER PLUS version 3.4.00. However, this option will not be recognized in later releases of RECOVER PLUS and will cause an error if coded.

BMC40440W  YOUR DATA MAY BE INCONSISTENT BECAUSE TORBA/TOLOGPOINT IS A POINT BEFORE THE END OF THE INPUT IMAGE COPY

Explanation: The data is inconsistent. The specified TORBA/TOLOGPOINT is a point in time before the end of the image copy. The log point error was detected by RECOVER PLUS finding an input page that was updated after the TORBA/TOLOGPOINT.

The page is restored and processing continues, but RECOVER PLUS ends with an RC=4.

User response: To determine if there are problems, you can run CHECK INDEX (if there are indexes) and CHECK DATA. If running CHECK INDEX or CHECK DATA indicates that there are problems, your options are to rerun the job with a higher TORBA/TOLOGPOINT value or rerun the job forcing use of the previous image copy either by uncataloging the original input copy or by using INCOPY.

BMC40441I  BMCSORT PRODUCT LOCATED AND WILL BE USED

Explanation: RECOVER PLUS will use the BMC BMCSORT technology as the sort engine.

User response: No action is required.

BMC40442I  RECOVER INDEX CONVERTED TO REBUILD INDEX BECAUSE INDEXLOG=NO

Explanation: RECOVER PLUS produces this message when you have coded INDEXLOG NO, which indicates indexes are to be rebuilt from the keys extracted from table spaces, in the installation options or on the OPTIONS command and you have specified RECOVER INDEX. This combination of statements and keywords causes RECOVER PLUS to process the index recovery as if the REBUILD INDEX statement was specified.

User response: This message is for information only. However, if you wish to use copies and logs for index recovery, change the value of INDEXLOG from
NO to YES or code INDEXSPACE instead of INDEX. INDEXSPACE is always a RECOVER.

**BMC40443E**

**EXPECTING PART FOR REBUILD INDEX BUT FOUND DSNUM OR EXPECTING DSNUM FOR RECOVER INDEX BUT FOUND PART**

*Explanation:* This message indicates that RECOVER PLUS found conflicting specifications for RECOVER INDEX, REBUILD INDEX, INDEXLOG, DSNUM, or PART. The following table indicates the correct combination of statements and keywords:

<table>
<thead>
<tr>
<th>Statement Used</th>
<th>Correct Values for INDEXLOG</th>
<th>Correct Use of DSNUM or PART</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECOVER INDEX</td>
<td>INDEXLOG YES</td>
<td>DSNUM</td>
</tr>
<tr>
<td>RECOVER INDEX or REBUILD INDEX</td>
<td>INDEXLOG NO</td>
<td>PART</td>
</tr>
</tbody>
</table>

**Note**

RECOVER INDEX and REBUILD INDEX are synonyms when INDEXLOG NO is specified. This message may follow BMC40442 when RECOVER PLUS converts to an index rebuild based on the specification of INDEXLOG NO with RECOVER INDEX.

*User response:* Ensure that you have coded the proper combination of statements and keywords based on the table above.

**BMC40444S**

**ERROR PROCESSING LOG DATASET dataSetName**

*Explanation:* An error occurred processing either the active or the archive log. Possible causes for this error are:

- an empty or corrupt log data set
- incorrect or corrupt BSDS entries

*User response:* Produce a LISTCAT of the data set and run a Print Log Map to try to identify the problem. Contact BMC Customer Support if you need assistance.

**BMC40445W**

**specification SPECIFICATION PREVENTS ixCreator.ixName dsNum INDEXLOG AUTO CONVERSION TO REBUILD**

*Explanation:* The utility tried to convert a RECOVER INDEX request to REBUILD INDEX because INDEXLOG AUTO was specified and the index was unrecoverable. However, the utility was unable to convert the request. The *specification* text indicates what prevents the conversion. Possible values for the *specification* text are:

- OUTCOPY: The OUTCOPY option is not supported for REBUILD INDEX so this request is not eligible for conversion.
OBIDXLAT: The OBIDXLAT option is not supported for REBUILD INDEX so this request is not eligible for conversion.

TOLOGPOINT: If the TOLOGPOINT option was included in the RECOVER INDEX request, the request is only eligible for conversion to REBUILD INDEX if the associated table space is also recovered in the same job step. (Note: RECOVER INDEXSPACE cannot be converted to REBUILD.)

TOCOPY: If the TOCOPY option was included in the RECOVER INDEX request, the request is only eligible for conversion to REBUILD INDEX if the associated table space is also recovered in the same job step.

DSNUM: If the RECOVER INDEX statement was for a specific data set of a nonpartitioned index, the request is not eligible for conversion to REBUILD INDEX.

RESTART: You need to recover the associated table space in the same job step.

User response: If the reason the index was unrecoverable can be corrected, correct it and rerun the job. Otherwise, specify a valid REBUILD INDEX command.

BMC40446I INDEXLOG AUTO CONVERTING ixCreator.ixName partition TO REBUILD

Explanation: The utility has detected that the named index is unrecoverable but has successfully converted the RECOVER INDEX request to a REBUILD INDEX request because INDEXLOG AUTO was specified.

User response: No action is required.

BMC40447W UNLOAD PHASE IS NOT SUPPORTED IN SIMULATION MODE. SUPPRESSED.

Explanation: RECOVER PLUS issues this message if the recovery scenario required unloads of keys from a table space that is not recovered in the same step. No keys will be unloaded. The recovery related to this unload operation will simulate the creation of index space or partition without these entries.

User response: No action is required.

BMC40448I phase PHASE SIMULATION result. ELAPSED TIME = time, TIME SINCE UTILITY START = time

Explanation: In simulation mode, the phase of the execution has completed. Elapsed times (in hours, minutes, and seconds) for the phase and the utility are shown. result has a value of either COMPLETE or ABORTED.

User response: If result is COMPLETE, no action is required. If result is ABORTED, check for other messages.
**BMC40449I**

*phase PHASE SIMULATION STARTING date time*

*Explanation:* In simulation mode, the named phase is starting. The date and time are shown.

*User response:* No action is required.

**BMC40450S**

*INTERNAL TYPE ERROR, CODE = type*

*Explanation:* An error occurred in the internal interface.

*User response:* Contact BMC Customer Support.

**BMC40451S**

*NO LOG FILE FOR CHANGE ACCUMULATION GROUP *groupName*, FILE NUMBER *n*

*Explanation:* There is an error in the R+/CHANGE ACCUM repository.

*User response:* Contact BMC Customer Support.

**BMC40452S**

*CHANGE ACCUMULATION LOG RANGES UNAVAILABLE*

*Explanation:* There is an error in the R+/CHANGE ACCUM repository.

*User response:* Contact BMC Customer Support.

**BMC40453S**

*INVALID BSDS DATASET NAME - dataSetName*

*Explanation:* There is an error in obtaining the bootstrap data set.

*User response:* Contact BMC Customer Support.

**BMC40454S**

*INVALID BSDS (dataSetName) STATUS status*

*Explanation:* There is an error in obtaining the bootstrap data set.

*User response:* Contact BMC Customer Support.

**BMC40455S**

*BSDS dataSetName UNAVAILABLE*

*Explanation:* There is an error in obtaining the bootstrap data set.

*User response:* Contact BMC Customer Support.

**BMC40456S**

*ERROR OBTAINING DSCB INFORMATION FOR dataSetName*

*Explanation:* There is an error in obtaining information on a log file.

*User response:* Contact BMC Customer Support.

**BMC40457S**

*LOG dataSetName TOO SHORT FOR RBAS/LRSNs REQUIRED*

*Explanation:* The log file shown does not appear to contain the required RBA range.

*User response:* Contact BMC Customer Support.
BMC40458S LOG dataSetName, VOLSER volumeSerialNumber TOO MANY EXTENTS (extents)
Explanation: There is an error in the control blocks for the disk log file shown.
User response: Contact BMC Customer Support.

BMC40459I BSDS dataSetName SELECTED
Explanation: The BSDS shown is used as a reference for this run.
User response: No action is required.

BMC40460S UNABLE TO SELECT A BSDS FILE
Explanation: A usable BSDS file cannot be found.
User response: Contact BMC Customer Support.

BMC40461S UNABLE TO OBTAIN LOG FILE INFORMATION FROM BSDS
Explanation: A preceding error made it impossible to obtain log file information.
User response: Review the preceding errors and contact BMC Customer Support.

BMC40462S SYSLGRNG TABLE UNAVAILABLE
Explanation: There is an internal error in SYSLGRNX or SYSLGRNG (for DB2 Version 3.1). Preceding error messages should provide more details.
User response: Contact your BMC Customer Support.

BMC40463W THE SYSLGRNX TABLESPACE IS EMPTY. RECOVER PLUS WILL ATTEMPT TO PROCEED AFTER ALLOCATING SYSLGRNG
Explanation: The product has attempted to allocate SYSLGRNX while executing under DB2 Version 3 and has found there is no data in it. Utility execution will continue.
User response: No action is required.

BMC40464S ERROR IN SYSLGRNX RECORD: BEGIN RBA (X'hexValue') EXCEEDS END RBA (X'hexValue')
Explanation: There is an internal error in SYSLGRNX.
User response: Contact BMC Customer Support.

BMC40465S ERROR IN SYSLGRNX: ENTRY = X'flags length obid id dbid psid startRba endRba'
Explanation: There is an internal error in SYSLGRNX.
User response: Contact BMC Customer Support.
BMC40466S  UNABLE TO OBTAIN DATA SHARING MEMBERS FROM BSDS
Explanation: The utility has found data in the BSDS that indicate that this subsystem is a member in a data sharing group. However, no records for the group members could be found.
User response: Run the DSNJU004 utility to print the contents of the BSDS, and contact BMC Customer Support.

BMC40467I  MISSING LOG RANGE DUE TO A COLD START AT 'hexValue'
Explanation: A conditional restart of the subsystem has rendered one or more spaces unrecoverable because a range of log required for recovery has been eliminated.
User response: The space is not recoverable. Check for previous occurrences of message BMC40261I that might indicate that an expected log file was not found. If you are unable to find or correct the problem, contact BMC Customer Support for assistance.

BMC40468S  INTERNAL ERROR: condition
Explanation: There is an internal error in processing.
User response: Contact BMC Customer Support with the module information on the following message.

BMC40469S  INTERNAL COND ERROR: n
Explanation: There is an internal error in processing.
User response: Contact BMC Customer Support with the module information on the following message.

BMC40470S  source: SEGSIZE = segSize
Explanation: This is a diagnostic message, which follows BMC40472. This message indicates that the segment size of the image copy does not match the DB2 catalog definition.
User response: Determine why the input image copy does not match the table space that you are recovering.

BMC40471S  source: PAGE SIZE = pageSize
Explanation: This is a diagnostic message, which follows BMC40472. This message indicates that the page size of the image copy does not match the DB2 catalog definition.
User response: Determine why the input image copy does not match the table space that you are recovering.
INCOMPATIBILITY BETWEEN INPUT HEADER PAGE AND CATALOG

Explanation: RECOVER PLUS determined that the image copy did not match the table space being recovered. Recovery is terminated for this table space. This message is followed by a diagnostic message detailing the mismatch.

User response: Determine why the image copy does not match the table space that you are recovering.

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Explanation: This is the product copyright statement, which is in the execution summary report in the AFRSUMRY message data set. This is an informational message.

User response: No action is required.

CONTACT BMC SUPPORT AT 1-800-537-1813 OR EMAIL TO SUPPORT@BMC.COM

Explanation: This message provides contact information. It is in the execution summary report in the AFRSUMRY message data set. This is an informational message.

User response: No action is required.

INPUT STATEMENTS PRINTED IN messageDataSet

Explanation: This message is in the execution summary report, which is in the AFRSUMRY message data set, and directs you to the specified messageDataSet for a list of the input control statements and for maintenance (MAINT) information. This is an informational message.

User response: No action is required.

EXECUTION SUMMARY

Explanation: This is the header message for the report of the number of objects processed. This is an informational message.

User response: No action is required.

TABLE SPACES/PHASES (PARTITIONS) RECOVERED

Explanation: This message provides the count of the number of table spaces and the number of partitions that were recovered during the job. If a multi-data-set, nonpartitioned table space is recovered by data set in separate phases, each phase (data set) is counted separately. This message is in the execution summary report, which is in the AFRSUMRY message data set.

User response: No action is required. This message is for information only.

INDEX SPACES (PARTITIONS) RECOVERED

Explanation: This message provides the count of the number of index spaces and the number of partitions that were recovered during the job. If a multi-data-set, nonpartitioned space is recovered by data set in separate phases, each phase...
(data set) is counted separately. This message is in the execution summary report, which is in the AFRSUMRY message data set.

*User response:* No action is required. This message is for information only.

**BMC40479I**  
**LOG RECORDS APPLIED:** \( \text{numberLogRecords} \)

*Explanation:* This message provides the count of the number of log records that were applied to all spaces during the job. This message is in the execution summary report, which is in the AFRSUMRY message data set. This is an informational message.

*User response:* No action is required.

**BMC40480I**  
**INDEXES REBUILT:** \( \text{numberIndexes} \)

*Explanation:* This message provides the count of the number of indexes that were rebuilt during the job. This message is in the execution summary report, which is in the AFRSUMRY message data set. This is an informational message.

*User response:* No action is required.

**BMC40481I**  
**CHANGE ACCUM GROUPS PROCESSED:** \( \text{numberChangeAccumGroups} \)

*Explanation:* This message provides the count of the number of change accumulation groups that were processed during the job. This message is in the execution summary report, which is in the AFRSUMRY message data set. This is an informational message.

*User response:* No action is required.

**BMC40482I**  
**OUTPUT IMAGE COPIES CREATED:** \( \text{numberCopies} \)

*Explanation:* This message provides the count of the number of output image copies that were made for all objects during the job. This message is in the execution summary report, which is in the AFRSUMRY message data set. This is an informational message.

*User response:* No action is required.

**BMC40483I**  
**phase COMPLETE.**

*Explanation:* When you specify MSGLEVEL(0), this message is printed in the AFRPRINT message data set for each completed execution phase. The value of phase will be MERGE, BUILD, UNLOAD, SNAP, RESTORE, WRITEKEYS, or LOGSORT. This is an informational message.

*User response:* No action is required.

**BMC40484I**  
**MESSAGES FROM PHASE PRE-PROCESSING SUBTASK:**

*Explanation:* This message precedes the messages from the VSAM subtask and displays in the group of messages for each execution phase for which the VSAM subtask did work. This message displays only if you specify MSGLEVEL as greater than 0 (zero) or if the phase was not successful. This
Message is written in the AFRPRINT message data set. This is an informational message.

User response: No action is required.

**BMC40485I END OF PHASE PRE-PROCESSING SUBTASK MESSAGES**

*Explanation:* This message follows the messages from the VSAM subtask and displays in the group of messages for each execution phase for which the VSAM subtask did work. This message displays only if you specify MSGLEVEL as greater than 0 (zero) or if the phase was not successful. This message is written in the AFRPRINT message data set. This is an informational message.

User response: No action is required.

**BMC40486S THE FOLLOWING OBJECTS ARE UNRECOVERABLE - SEE OBJECT SUMMARY (AFROSUM) FOR MORE INFORMATION**

*Explanation:* This message is printed in AFRERR to consolidate reporting unrecoverable objects. The AFROSUM DD includes details about why the spaces are unrecoverable.

User response: Examine the AFROSUM DD to decide what changes must be made to your recovery strategy. (For example, you may decide to recover to a different point in time.)

**BMC40487W NO OBJECTS TO PLAN**

*Explanation:* The utility will not recover any table spaces or indexes.

User response: No action is required.

**BMC40488I OPTS = optionsModule**

*Explanation:* This message displays the name of the options module coded in the EXEC statement for a subsystem backout.

User response: No action is required.

**BMC40489I (CONSISTENT) TOLOGPOINT = X'logPoint'**

*Explanation:* This message displays the requested TOLOGPOINT values in the EXEC statement for a subsystem backout. CONSISTENT is included in the message for timestamp recoveries.

User response: No action is required.

**BMC40490I CATUPD (RECORD BACKOUT PITS IN SYSCOPY AND BMCXCOPY) REQUESTED**

*Explanation:* This message is displayed if the CATUPD parameter was included on the EXEC statement for a subsystem backout.

User response: No action is required.
BMC40491I NOCATUPD (SAVE BACKOUT PITS FOR LATER REGISTRATION IN SYSCOPY AND BMXCOPY) REQUESTED

Explanation: This message is displayed if the NOCATUPD parameter was included on the EXEC statement for a subsystem backout.

User response: No action is required.

BMC40492E TOLOGPOINT NOT SPECIFIED WITH PARSE OR NEW

Explanation: This message indicates an error in the JCL specified for a subsystem backout.

User response: Contact BMC Customer Support.

BMC40493E A RECORD OF TYPE type FOLLOWS A RECORD OF TYPE type, IN THE ASGRPIT DD. A DUMP OF THE RECORD FOLLOWS.

Explanation: This message indicates an error in a control file created for a subsystem recovery.

User response: Contact BMC Customer Support.

BMC40494I GRPCRE = groupCreator

Explanation: This informational message displays the EXEC parameter named GRPCRE to allow specification of the creator of the RECOVERY MANAGER group created.

User response: No action is required.

BMC40495E OPTIONS IXRECP YES SPECIFIED BUT TABLE SPACE databaseName.tableSpaceName HAS integer INDEXES (integer ALLOWED).

Explanation: RECOVER PLUS does not support the IXRECP YES option for table spaces having more than the number of indexes indicated in this message.

User response: To work around this limitation, use the IXRECP NO option or change the recovery request to use INDEX (ALL) instead of a separate request for each index.

BMC40496E BACKOUT CAN'T RECOVER THE INDEX PRIOR TO THE POINT OF EXISTENCE (X'logPoint'). USE REBUILD INSTEAD

Explanation: During physical backout processing of the index space, the utility detected an attempt to cross the point where the index has been created. The index may have actually been created at that point or may have had DEFINE NO status before that point. Crossing such point could create an inconsistent condition. Therefore, this error message is issued and the recovery is terminated.

User response: Use REBUILD INDEX instead of BACKOUT for the index.
**BMC40497I**  
*phase PHASE SIMULATION result. ACCUMULATED TCB TIME = time*

*Explanation:* In simulation mode, the phase of the execution has completed. TCB time (in hours, minutes, seconds) since job start are shown after each phase. *result* has a value of either COMPLETE or ABORTED.

*User response:* If *result* is COMPLETE, no action is required. If *result* is ABORTED, check for other messages.

**BMC40498E**  
*NO DSNAME FOUND IN OUTPUT DESCRIPTOR descriptorName AND NO DSNAME OVERRIDE FOUND FOR databaseName.tableSpaceName*

*Explanation:* A data set name or template was not found for an output image copy. A data set name or template is required for dynamic allocation.

*User response:* Add a valid data set name or template to the OUTPUT descriptorName descriptor, or add a valid data set name or template override to the databaseName.tableSpaceName OUTCOPY statement via OUTCOPYDSN or RECOVERYDSN.

**BMC40499E**  
*NO OUTPUT STATEMENT FOUND FOR DD descriptorName. DSNAME OVERRIDE REQUIRES DYNAMIC ALLOCATION.*

*Explanation:* Data set overrides via OUTCOPYDDN and/or OUTCOPYDSN and RECOVERYDDN and/or RECOVERYDSN require dynamic allocation via the OUTPUT descriptor. An OUTCOPYDDN or RECOVERYDDN referenced an OUTPUT copyName that was not found.

*User response:* Add a valid OUTPUT descriptorName descriptor or modify the OUTCOPYDDN and/or RECOVERYDDN to reference a valid OUTPUT descriptor.

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**Messages BMC40500 through BMC40599**

For the RECOVER PLUS for DB2 product, this topic explains each message in the designated range.

**BMC40500E**  
*OBJECT databaseName.tableSpaceName/ixName REMAINS IN STOPP STATUS. JOB TERMINATED BECAUSE WTOR=NO*

*Explanation:* RECOVER PLUS issues this message if your specified WTOR=NO in the installation options or if you specified WTOR NO on the OPTIONS command. The message occurs after RECOVER PLUS has issued STOP commands for one or more table spaces, index spaces, or both, and has waited at least 100 seconds. At least one of the spaces is still not in STOP status. The space named in the message may not be the only one causing RECOVER PLUS to wait.

*User response:* Enter the commands DISPLAY DB(databaseName) SPACENAM(spaceName) LOCKS for each space named in the RECOVER PLUS commands, and check for long running transactions that are delaying the
STOP. When all such conditions have been cleared, resubmit the RECOVER PLUS job.

**BMC40501S**  
**ERROR IN TERMINATION OF EDITPROC editProcName, RC = returnCode**  
*Explanation:* The utility encountered an error while attempting to delete the edit routine load module (EDITPROC) shown, or while attempting to release the storage allocated for communicating with the EDITPROC. The name of the table space with an edit routine (an associated table contains an EDITPROC clause) should be shown in an accompanying message. This is probably an internal error.

*User response:* Contact BMC Customer Support.

**BMC40502S**  
**ERROR IN INITIALIZATION OF EDITPROC editProcName, RC = returnCode**  
*Explanation:* The utility encountered an error while attempting to load the edit routine load module (EDITPROC) shown, or while attempting to allocate the storage needed for communicating with the EDITPROC. The name of the table space with an edit routine (an associated table contains an EDITPROC clause) should be shown in an accompanying message. This is probably an internal error.

*User response:* Make sure the EDITPROC load module is available in the STEPLIB, JOBLIB, or LINKLIB list for the utility execution. If it is not available, correct this and restart the job or submit it again with a restart parameter of NEW. If you believe the EDITPROC load module is available, contact BMC Customer Support.

**BMC40503I**  
**EDITPROC editProcName WILL BE USED FOR TABLE creator.tableName**  
*Explanation:* The utility will invoke the EDITPROC named for the table shown in order to decode rows for index key extraction.

*User response:* No action is required.

**BMC40504S**  
**ERROR IN CALL OF EDITPROC editProcName, RET = returnCode, REASON = code**  
*Explanation:* The EDITPROC named returned a nonzero return code as indicated. In order for the utility to execute properly, your user-written EDITPROC must perform its function successfully.

*User response:* Check your EDITPROC. If you can correct the problem, restart the job or submit the job again with a restart parameter of NEW.

**BMC40505S**  
**dataSetName BLOCK SIZE IS NOT A MULTIPLE OF 4096**  
*Explanation:* The data set shown is an input copy, an output copy, or an SKEYDDN input file. However, the block size is not a multiple of 4096.

*User response:* If the data set is an output copy, the utility overrides your block size. You do not need to specify block size in the DCB—the utility calculates it for you. If the copy is an input copy, fallback will be attempted. Determine why a registered copy has an improper block size. If the data set is an SKEYDDN
input file, the file was not generated with the most current version of
RECOVER UNLOADKEYS. Regenerate the SKEYDDN file with RECOVER
PLUS version 3.4.00 or later. (The NOUKSORT option is disabled in RECOVER
PLUS version 3.4.00 and later.)

**BMC40506I or W**

**SPACE MAP ON PAGE NUMBER X'\textit{pageNum1}' INDICATES END OF MAP
BEFORE PAGE NUMBER X'\textit{pageNum2}'**

*Explanation:* BMC40506 indicates that RECOVER PLUS found a non-empty
page beyond the range of pages covered by the last space map. This message
follows one of the warning messages, BMC40199 or BMC40229. Other
messages follow this message to indicate what kind of page is involved, and in
what data set the page is found.

If the message is informational (ends with I), RECOVER PLUS stops processing
even if more data is after the end of the space map. This situation might occur if
all of the following conditions exist:

- A DSN1COPY migration was performed.
- The target data sets were not deleted.
- The target data sets exceed the number of migrated data sets.

If the message is a warning (ends with W), a possible reason that RECOVER
PLUS issues the message is failure to include the keyword INLINE when using
an inline copy.

*User response:* Run DSN1COPY with the CHECK parameter against the space
named. No action is required if the run ends with no error messages. If
DSN1COPY indicates a problem, contact BMC Customer Support. Please have
the output from the utility run ready and run DSN1PRNT to print the contents
of the pages named in the BMC40506 message.

If the copy is an inline copy, please check that you specified INLINE in the
INCOPY specification.

**BMC40507S**

**ROW NOT FOUND FOR BACKWARD INDIRECT REFERENCE**

*Explanation:* While extracting keys for index rebuild, the utility encountered a
pointer record for a particular row ID (RID). However, the utility failed to find
the image of an overflow record at the location indicated in the pointer record.
Message BMC40508 follows showing the RID of the pointer record.

*User response:* Use a utility (such as DSN1PRNT) to dump the page indicated
in the RID of the pointer record. If the RID is a pointer record, find the RID of
the overflow record (PGSOWRID) and use the utility to dump that page also.
You should find an overflow record at the overflow RID. Contact BMC
Customer Support to help determine whether your space is broken or an
internal error has occurred. You will also need to determine if (and when) the
underlying table space was recovered.
**BMC40508I**  
**RID = X'rid'**  
*Explanation:* This message identifies the row ID (RID) indicated in an accompanying message.  
*User response:* See the accompanying message.

**BMC40509S**  
**DUPLICATE INDIRECT POINTER FOUND IN HASH LOOKUP**  
*Explanation:* While extracting index keys, the utility encountered an error resolving a pointer record in a table space.  
*User response:* Contact BMC Customer Support.

**BMC40510S**  
**DUPLICATE INDIRECT ROW FOUND IN HASH LOOKUP**  
*Explanation:* While extracting index keys, the utility encountered an error resolving an overflow record in a table space.  
*User response:* Contact BMC Customer Support.

**BMC40511S**  
**indirectReferenceType NOT RESOLVED**  
*Explanation:* The utility has encountered a pointer record or overflow record that is unresolved after extracting index keys from a table space. The indirect reference type (POINTER RECORD or OVERFLOW RECORD) is shown. Message BMC40508 accompanies this message and shows the row ID (RID) of the unresolved record.  
*User response:* Use a utility (such as DSN1PRNT) to dump the page indicated in the RID and contact BMC Customer Support. You will also need to determine if (and when) the underlying table space was recovered.

**BMC40512I**  
**LOG FILE RESOURCES:**  
*Explanation:* This message introduces a list of log file resources for the run.  
*User response:* No action is required.

**BMC40513E**  
**RECOVERY FROM LOG NOT SUPPORTED FOR TYPE 1 INDEX**  
**creator.ixname. USE REBUILD INDEX**  
*Explanation:* The utility has detected a request that would require log records for a type 1 index. RECOVER PLUS does not process log records for type 1 indexes.  
*User response:* Use REBUILD INDEX. If you wish to process log records for this index in the future, convert it to a type 2 index.

**BMC40514E**  
**function SUPPORT NOT INSTALLED**  
*Explanation:* The utility has detected that support for the named function has not been installed. The $I55ICPY job either was not run or was not successful, or the plan has been bound or rebound. This message will be followed by
BMC40515 if the absence of SYSCOPY or SYSLGRNX support prevents the job from executing successfully.

User response: Make sure the plan name in your installation options is correct. If not, correct it and then rerun the installation default options installation job and the AFRICOPY job. This plan name can be changed at installation time through the installation default options member.

BMC40515I function SUPPORT REQUIRED FOR OBJECT

Explanation: Support for the named function has not been installed but is required for an object to be identified in subsequent messages. This message is preceded by BMC40514.

User response: See the user response for BMC40514.

BMC40516I INPUT R+/CHANGE ACCUM FILE RESOURCES:

Explanation: This message introduces a list of change accumulation files for the run.

User response: No action is required.

BMC40517S UNABLE TO REGISTER POINT-IN-TIME RECOVERY

Explanation: The utility was attempting to register a point-in-time recovery. The registration failed.

User response: The run continues. However, if a copy was not made or could not be registered, you should copy the space to ensure future recoverability.

BMC40518S UNABLE TO REGISTER REBUILD INDEX

Explanation: The utility was attempting to register an index rebuild. The registration failed.

User response: The run continues. If you intend to recover the index with copies and log in the future, you should copy the index to ensure recoverability.

BMC40520I [ INSTANT SNAPSHOT COPY | IBM FLASH COPY ], STYPE = 'value'

Explanation: This message indicates that an Instant Snapshot copy or IBM FlashCopy is being used for recovery. The value of STYPE is taken from the BMCCOPY table for an Instant Snapshot copy and from the SYSCOPY table for an IBM FlashCopy.

User response: No action is required.

BMC40521I NUMBER OF PAGES RESTORED = numberPages

Explanation: The number of pages shown were restored from a copy.

User response: No action is required. This is for your information and verification.
**BMC40522I**  \( \text{RID} = \text{X'}\text{hexValue}' \)

*Explanation:* This message identifies the row ID (RID) indicated in an accompanying message.

*User response:* See the accompanying message.

**BMC40523I**  \( \text{SIMULATED PAGES OUTPUT IS} = \text{integer} \)

*Explanation:* This message shows statistics from a merge phase when you are running in simulation mode.

*User response:* No action is required.

**BMC40524E**  \( \text{JOB CANNOT GET CONTROL OF} \, \text{objectName} \, \text{- UTILID} \, \text{utilityID} \, (\text{utilityName}) \, \text{IS ACCESSING INSTANCE} \, \text{integer} \, \text{OF IT} \)

*Explanation:* The specified utility is already accessing the indicated instance of the table space, so the RECOVER PLUS job cannot gain control of the space.

*User response:* Wait until the utility is not accessing the space and resubmit the job.

**BMC40525E**  \( \text{UNABLE TO PROCEED THROUGH POINT IN TIME RECOVERY CREATED BY DSNUTILB} \)

*Explanation:* DSNUTILB could create a special type of log record to compensate for inflight transactions in the point-in-time recovery with consistency. The current version of RECOVER PLUS is unable to apply this type of log record. The recovery request is terminated.

*User response:* Use DSNUTILB to recover the space.

**BMC40526S**  \( \text{source: ID=X'}\text{dbid/psid}' \)

*Explanation:* This is a diagnostic message, which is following by BMC40472. This message indicates that the DBID or PSID of the image copy does not match the DB2 catalog definition.

*User response:* Determine why the input image copy does not match the table space that you are recovering.

**BMC40527E**  \( \text{CONFLICT WITH BACKOUT AUTO:} \, \text{conflictingRECOVERPLUSStatementName} \, \text{STATEMENT FOUND} \)

*Explanation:* Certain RECOVER PLUS statements, such as REBUILD, ACCUM, and LOGSCAN, are not compatible with BACKOUT AUTO.

*User response:* You should either remove the conflicting statement or change the BACKOUT option. Then resubmit the job.

**BMC40528E**  \( \text{DSNUM N RECOVERY NOT PERMITTED FOR THIS TABLE SPACE} \, \text{BECAUSE ITS ROW FORMAT WOULD BE CHANGED OR CANNOT BE DETERMINED} \)

*Explanation:* A point-in-time recovery of a specific data set (DSNUM N) has been requested for a nonpartitioned table space and the requested recovery
point would result in the row format of the table space changing from basic to reordered or reordered to basic. This is not permitted because all data sets of a nonpartitioned table space must have the same row format.

User response: There are three possible responses to this error:

- Perform a DSNUM ALL recovery of the table space to the desired point in time.
- Select a different point in time for the specific data sets where the row format would not be altered.
- Recover the specific data sets to current.

BMC40529E THE DYNAMIC BIND FEATURE HAS BEEN DISABLED

Explanation: The DYNAMICBIND option in the AFRDOPTS module was set to NO. This option should only be set to NO under recommendation from BMC.

User response: If all plans and packages were bound prior RECOVER PLUS execution, no action is required. If a plan or package needs to be rebound, RECOVER PLUS will fail. Contact BMC Customer Support.

BMC40530I USING ON ERROR ANY CONTINUE 0 WITH integer OBJECTS CAN CAUSE A SIGNIFICANT INCREASE IN ELAPSED TIME

Explanation: Using ON ERROR ANY CONTINUE 0 disables the subtask that allocates data sets. Without this subtask, RECOVER PLUS allocates spaces inline, which can increase the elapsed time of the step significantly when attempting to process a large number of objects. You invoke the subtask to allocate spaces by changing the value of integer to a value greater than 0, which will also allow multiple severe errors for this step. (See the ON ERROR option description in the RECOVER PLUS for DB2 Reference Manual.)

User response: No action is required.

BMC40531S UNABLE TO OPEN DATASET DDNAME = ddname

Explanation: An open failure occurred on the data set ddname. The data set name appears in an accompanying message.

User response: The utility may recover from the error. If it does not, contact BMC Customer Support.

BMC40532I UNABLE TO CLOSE DATASET DDNAME = ddname

Explanation: A close failure occurred on ddname. The data set name appears in an accompanying message.

User response: The utility attempts to continue if the closed data set is no longer needed. If continuation fails or if the data set is needed for processing, investigate the problem and contact BMC Customer Support.
**UNABLE TO CONNECT TO DATASET DDNAME = ddname, RC = returnCode**

*Explanation:* The utility requested connection to *ddname*. The data set name appears in an accompanying message.

*User response:* Check the job log for more information. If you understand the problem, correct it and then restart the utility. Otherwise, contact BMC Customer Support.

**ERROR DISCONNECTING FROM DATASET, RC = returnCode**

*Explanation:* RECOVER PLUS requested a disconnect and received the return code shown. The data set name appears in an accompanying message.

*User response:* Contact BMC Customer Support.

**ERROR EXTENDING OUTPUT DATASET, RC = returnCode**

*Explanation:* The nonzero return code shown was received from a request to extend a data set. The data set name appears in an accompanying message. The most probable reason for this message is that there was no space left on the current volume on which the data set exists, and no additional volumes could be allocated.

*User response:* If the recovery is not INDEP OUTSPACE, redefine your STOGROUP or redo the VCAT definition (by adding candidate volumes) and restart the recovery. If the data set is SMS controlled, you may want to add volumes to the SMS storage group. For an INDEP OUTSPACE recovery, you must either allocate more space or more candidate volumes to the data set, or specify additional volumes with the OPTION STOGROUP ORDER specification.

**UNABLE TO READ JFCB, DDNAME = ddname, RC = returnCode**

*Explanation:* An internal error has occurred. The utility could not read the job file control block for *ddname*.

*User response:* Contact BMC Customer Support.

**ERRCONT = value (DEFAULT MAX SEVERE ERRORS)**

*Explanation:* This message states the allowable number of times, to as defined in the installation options, continue after encountering a severe error before terminating RECOVER PLUS.

*User response:* No action is required.

**UNABLE TO RETRIEVE DEVICE TYPE, DDNAME = ddname, RC = returnCode**

*Explanation:* An internal error has occurred. The utility could not read the device type information for *ddname*.

*User response:* Contact BMC Customer Support.
BMC40539S  UNABLE TO READ DSCB, DDNAME = ddname, RC = returnCode
Explanation: An internal error has occurred. The utility could not read the data set control block for ddname.
User response: Contact BMC Customer Support.

BMC40540I  READ REQUEST ERROR, RC = returnCode
Explanation: An I/O error has occurred.
User response: Contact BMC Customer Support.

BMC40541S  WRITE REQUEST ERROR, RC = returnCode
Explanation: An I/O error has occurred.
User response: Contact BMC Customer Support.

BMC40542E  INDEX AND RELATED TABLE SPACE RECOVERED TO DIFFERENT LOGPOINTS
Explanation: A request was made to recover a table space and a related index to different points on the log. If honored, this request would leave the table space and index out of sync and introduce a data integrity error for users of the table space after the job completes. The job ends with condition code 8. The table space and index involved are identified in subsequent messages.
User response: Change the TORBA, TOLOGPOINT or TOCOPY requests such that the table space and index are recovered to the same log point and resubmit the job.

BMC40543E  CHANGE ACCUMULATION IS NOT ALLOWED WHEN THE TORBA/TOLOGPOINT BACKOUT OPTION IS USED
Explanation: The utility has detected that both change accumulation and BACKOUT recovery were requested in the same execution. This request is not allowed.
User response: If change accumulation is desired for this execution, you must run the utility without the BACKOUT option.

BMC40544I  copyType COPY SUPPLIED BY INCOPY
Explanation: The utility has detected that an inline copy or an Instant Snapshot copy was specified by the INCOPY option.
User response: No action is required.

BMC40545E  INDEX CHANGE ACCUM REQUESTED WITH SPECIFIC DSNUM REQUEST FOR:
Explanation: The utility has detected a request for change accumulation including indexes, but the change accumulation group includes a target object
definition naming a specific table space partition or data set. The request is not allowed.

**User response:** Either change the group definition to eliminate specific data set or partition requests, or do not use the INDEXES YES option with this run.

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**BMC40546E**

**CHANGE ACCUM REQUESTED WITH SPECIFIC DSNUM RECOVERY OR REBUILD**

**Explanation:** The utility has detected a change accumulation request for an index in the same SYSIN as a request to RECOVER or REBUILD a specific data set or partition of an index. This combination is not allowed.

**User response:** Either change the RECOVER request to include all data sets, or submit the requests in separate job steps. You cannot rebuild an index if change accumulation is requested for the index in the same job step.

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**BMC40547I**

**INDEXLOG = option (DEFAULT USE OF INDEXLOG STRATEGY)**

**Explanation:** *option* is the value coded at installation time in the AFR$OPTS macro to indicate whether or not the RECOVER INDEX command should be interpreted as a request to recover an index using an image copy and DB2 log records (INDEXLOG=YES), a request to rebuild the index from table space data (INDEXLOG=NO), or a request to automatically recover from image copies if possible but fall back to rebuilding the index if image copies are not available (INDEXLOG=AUTO).

**User response:** No action is required.

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**BMC40548E**

**BACKOUT NOT SPECIFIED**

**Explanation:** The BACKOUT option is required for the object identified in a subsequent message because other objects in the SYSIN were recovered with BACKOUT.

**User response:** Either include the BACKOUT keyword for the RECOVER TORBA/TOLOGPOINT request or recover the identified object in a different job step.

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**BMC40549E**

**BACKOUT DISALLOWED FOR A SINGLE, NONPARTITIONED DATA SET**

**Explanation:** The BACKOUT option was requested for a single data set of a nonpartitioned table space or index. This request is in error.

**User response:** The BACKOUT option is available for recovery of a single data set only when recovering a partitioned table space or the partitioned index on a partitioned table space. To use BACKOUT with any other space, remove the DSNUM n keyword from the request.

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**BMC40550S**

**READ ECB ABNORMAL COMPLETION CODE = X’returnCode’**

**Explanation:** A read operation on a data set completed with the abnormal return code shown. The data set name appears in an accompanying message.

**User response:** Contact BMC Customer Support.
BMC40551S  WRITE ECB ABNORMAL COMPLETION CODE = X'returnCode'

Explanation:  A write operation on a data set completed with the abnormal return code shown. The data set name appears in an accompanying message.
User response:  Contact BMC Customer Support.

BMC40552I  I/O REQUEST ELEMENT FLAG = X'flag'

Explanation:  This message shows additional information for an I/O error.
User response:  Review accompanying messages concerning this error and contact BMC Customer Support.

BMC40553I  CSW = csw, IOBSTART = iobstart

Explanation:  This message may be issued along with message BMC40550 to give further diagnostic information.
User response:  Contact BMC Customer Support.

BMC40554W  LOG MARKED TRUNCATED

Explanation:  The truncated flag is found on the log file with the data set name shown in a subsequent message. This may be caused by active log pairs of different sizes, by an ARCHIVE LOG command, or an error in DB2 processing.
User response:  No action is required.

BMC40555I  FROMRBA = X'hexValue1' TORBA = X'hexValue2'

Explanation:  The log range shown is used to clarify other messages.
User response:  Review accompanying messages.

BMC40557E  KEYWORD keyWordName IS NOT ALLOWED WHEN DOING A RECOVER OF typeOfSpace

Explanation:  The keyword identified by this message is not supported when performing a recovery of the type of space indicated. For example, you cannot create an INLINE copy of an INDEXSPACE. Therefore, the keyword INLINE is not allowed with INDEXSPACE.
User response:  Remove the keyword from your job and resubmit the job.

BMC40559I  FROMLRSN = X'logPoint1' TOLRSN = X'logPoint2' MEMBER = memberNameID = n

Explanation:  The log range shown is used to clarify other messages. A TOLRSN value of X 'FFFFFFFF' indicates that a SYSLGRNX row was found for this space that was not terminated and therefore all log records from the FROMLRSN value to the end log point for the space or partition will be scanned for updates. The end log point will be either the current LRSN at the time of the utility execution, or the TORBA/ TOLOGPOINT you specified.
User response:  Review accompanying messages.
**BMC40560I**  
FROMLSRN = X'\logPoint1'  TOLRSN = X'\logPoint2'

*Explanation:* The log range shown is used to clarify other messages.

*User response:* Review accompanying messages.

**BMC40561S**  
SEGMENTED LOG RECORD TRUNCATED AT X'\logPoint'

*Explanation:* While processing log records in a data sharing environment, the utility has found the first part of a segmented log record at the end of the last log file being read for a member subsystem, and has been unable to complete the record. This message is followed by BMC40724, which displays the member name and ID of the member subsystem whose log records are being read; the log record in error belongs to the preceding member. The utility terminates.

*User response:* Run DSN1LOGP, specifying the LRSN from the error message, for every member of the data sharing group. Contact BMC Customer Support.

**BMC40562S**  
EXPECTING PAGE X'chkNum' FOUND PAGE X'pageNum'

*Explanation:* The page number in a space was expected to be \( \text{chkNum} \) (in hexadecimal), but was \( \text{pageNum} \).

*User response:* A copy or space may be bad. For example, if the step is a restore, check the copy for out-of-sequence pages. The utility may fall back to recover the space if a copy is bad. If the space is an index, it is possible that you are recovering DSNUM \( n \) of an index after altering the PIECESIZE, where \( n \) is greater than 1 (for data set 1, you will receive the BMC40041 message). Refer to the description of message BMC40041 to see what your choices of action are.

**BMC40563W**  
WORKDDN WILL BE IGNORED FOR INDEX creator.ixname BECAUSE THERE ARE MORE THAN integer TABLESPACE PARTS

*Explanation:* WORKDDN is automatically switched to NOWORKDDN for indexes related to table spaces with more than 254 parts.

*User response:* No action is required.

**BMC40564E**  
UTILITY ID utilityID IS ACTIVE. CANNOT RESTART OR REUSE

*Explanation:* The job was submitted with the utility id named, but another job on the same DB2 subsystem or DB2 data sharing group is active with the same utility id.

*User response:* If there is no other reason the jobs should not run concurrently, change the utility id to a new name and rerun the job.

**BMC40565E**  
UNSUPPORTED OBJECT

*Explanation:* This message indicates that RECOVER PLUS has encountered an object that is not supported. Subsequent messages identify the object.

*User response:* Contact BMC Customer Support.
BMC40566I  **USING LOG dataSetName FOR PROCESSING**

*Explanation:* This message indicates that a log data set (*dataSetName*) is needed for this run. If the log data set is unavailable when it is needed, the utility may use a different copy of the log.

*User response:* No action is required.

BMC40567S  **UNEXPECTED SEGMENT CODE IN LOG AT X'logPoint'**

*Explanation:* This is an internal error from log processing.

*User response:* Contact BMC Customer Support. A few pages of the log, printed with DSN1LOGP around the log point shown, would help in the diagnosis.

BMC40568S  **ACCUMULATED LOG RECORD TOO LONG AT X'logPoint'**

*Explanation:* This is an internal error from log processing.

*User response:* Contact BMC Customer Support. A few pages of the log, printed with DSN1LOGP around the log point shown, would help in the diagnosis.

BMC40569S  **UNRECOGNIZED SEGMENT CODE IN LOG AT X'logPoint'**

*Explanation:* This is an internal error from log processing.

*User response:* Contact BMC Customer Support. A few pages of the log, printed with DSN1LOGP around the log point shown, would help in the diagnosis.

BMC40570S  **UNRECOGNIZED DMTYPE AT X'logPoint'**

*Explanation:* This is an internal error from log processing.

*User response:* Contact BMC Customer Support. A few pages of the log, printed with DSN1LOGP around the log point shown, would help in the diagnosis.

BMC40571S  **ERROR DM PROCESSING, CODE = errorCode, DM = X'type' AT X'logPoint'**

*Explanation:* The processing of a log record failed because of an inconsistency detected by the log apply routines. If you are using LOGAPPLY ONLY, you may have selected an inappropriate FROMRBA.

*User response:* If you are using LOGAPPLY ONLY, check the FROMRBA. If you are not using LOGAPPLY ONLY or believe the FROMRBA is accurate, contact BMC Customer Support and provide the error code and type. Please have ready your AFRPRINT, AFRERR, AFROSUM, and SYSERR outputs. AFRPRINT includes the following information:

- a dump of the page from the space to which RECOVER PLUS is attempting to apply the log record
- a dump of the page from the input image copy
- a dump of the log records being applied (only one log record causes this error, but the buffer contains several log records)
This output is extremely important in a BACKOUT recovery because the original image of the space may no longer be available.

**BMC40572I**  
**REGISTERING CHANGE ACCUMULATION LOG RANGES FOR GROUP **  
**groupName**  
*Explanation:* This message displays the name of the change accumulation group for which log ranges are being registered. It is followed by messages BMC40301, BMC40305, and BMC40555, indicating the log range being registered for each space and partition in the group.  
*User response:* No action is required.

**BMC40573S**  
**TORBA/TOLOGPOINT X’logPoint’ UNAVAILABLE FOR BACKOUT**  
*Explanation:* This message indicates that the requested point on the log is unavailable using the BACKOUT recovery strategy. This may be because the point lies within a range of log that has been invalidated by a point-in-time recovery.  
*User response:* If the log point specified is correct, this request must not use the BACKOUT strategy.

**BMC40574S**  
**INVALID RECORD LENGTH BSDS dataSetName, DDNAME ddname, KEY = key, LENGTHS = rcdlen freelen datalen**  
*Explanation:* An error occurred accessing the BSDS for log processing.  
*User response:* Contact BMC Customer Support.

**BMC40574W**  
**INVALID RECORD LENGTH BSDS dataSetName, DDNAME ddname, KEY = key, LENGTHS = rcdlen freelen datalen**  
*Explanation:* While reading the BSDS, the returned record length of the specified BSDS file did not match the expected length shown. One possible cause of this situation is that the version of DB2 in use is not supported. Processing continues.  
*User response:* Verify that the BSDS file specified is the correct version and is not corrupted or otherwise unusable. You can run PRINT LOG MAP against the BSDS file to determine whether the file is corrupted. If PRINT LOG MAP runs successfully, the file is not corrupted but might be a version that is unsupported by RECOVER PLUS.

**BMC40575S**  
**ERROR READING BSDS dataSetName, DDNAME ddname, KEY = X 'key', RC = macro, VSAM RTN = vsamReturn, VSAM RSN = reason**  
*Explanation:* An error occurred accessing the BSDS for log processing.  
*User response:* Contact BMC Customer Support.
**BMC40576W**  
**OBJECT RECOVERED IN ORIGINAL RUN IS NOW IN RECP OR RBDP STATUS**

*Explanation:* The utility has detected that a table space or index recovered in an earlier run of this restarted job is now in RECP or RBDP status.

*User response:* The job proceeds, but you should determine what caused the space to be put into RECP or RBDP status.

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**BMC40577S**  
**INVALID INFO RECORD LENGTH IN BSDS dataSetName, DDNAME ddname, LENGTH rcdlen**

*Explanation:* An error occurred accessing the BSDS for log processing.

*User response:* Contact BMC Customer Support.

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**BMC40578S**  
**UNAVAILABLE LOG RANGE(S) DISCOVERED (ONLY THE FIRST IS DISPLAYED)**

*Explanation:* Log ranges needed for space processing were not available from any source. A list of spaces follows. Either these ranges were not available in a log registered in the boot strap data set or a failure occurred while allocating or reading the log for all possible sources of the log ranges.

*User response:* Determine whether the log can be made available. If logs are available but not registered in the BSDS, these logs can be added using Change Log Inventory (DSNJU003). If an archive log was not found in the catalog or was not available for mounting, the log can be cataloged or located. If the space is part of a change accumulation group being processed, you may want to make an image copy to start your recovery resources. If the space is being recovered, you may find that a copy was not available and be able to remedy this situation to avoid using these log records.

Also, if you specified RESOURCE SELECTION COPIES (xx, xx), LOGS (xx, xx, xx, xx), or ACCUMS (xx, xx), be sure you include all of the needed copies, logs, and accumulation files. The job should then be rerun with NEW specified as the restart parameter when the unavailable log ranges have been corrected. Do not specify RESTART as this will not include any of the spaces that were originally unavailable.

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**BMC40579S**  
**UNABLE TO READ DSCB FOR DSN = dataSetName, VOLUME = volume RC = returnCode**

*Explanation:* An unexpected error was encountered during log file processing.

*User response:* Contact BMC Customer Support.

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**BMC40580S**  
**text**

*Explanation:* This message provides more information about an I/O error that occurred.

*User response:* Contact BMC Customer Support.
BMC40581I  RBA IS "X'\text{hexValue1}" AND SHOULD BE "X'\text{hexValue2}"  
Explanation: The relative byte address (RBA) of a page in a log data set was not as expected.  
User response: See previous message.  

BMC40582S  LOG RBA CHECK DISCREPANCY ON dataSetName:  
Explanation: The relative byte address (RBA) of a log page being processed was not as expected. The utility attempts to recover from this error by using an alternative source for the log.  
User response: If the utility recovered from the error, no action is required. If the utility failed to recover from the error, there may be an internal error or an error in a log data set; contact BMC Customer Support.  

BMC40583S  I/O ERROR ON BUFFER AT "X'\text{address}'"  
Explanation: This message provides more diagnostic information about an I/O error that occurred.  
User response: Contact BMC Customer Support.  

BMC40584I  UNIT OF RECOVERY ID = "X'\text{urid}'"  
Explanation: This message shows the unit of recovery ID (which is the relative byte address in the log of the beginning of a unit of recovery) for another message that concerns a log record.  
User response: See previous message.  

BMC40585I  FROM LOGPOINT = "X'\text{logPoint1}'" TO LOGPOINT = "X'\text{logPoint2}'"  
Explanation: The log range shown is used to clarify other messages.  
User response: Review accompanying messages.  

BMC40586I  TO LOGPOINT = "X'\text{logPoint1}'" CURRENT LOGPOINT = "X'\text{logPoint2}'"  
Explanation: This message is issued during a point-in-time recovery that uses the BACKOUT strategy. It displays the range of log between the TOLOGPOINT value and the current log point value that will be considered.  
User response: No action is required.  

BMC40587I  PART = \text{n}  
Explanation: The partition number shown provides additional information for a previous message.  
User response: See previous messages.  

BMC40588S  LOG SEQUENCE ERROR IN MERGE, PREVIOUS SEQNO = \text{num1}, CURRENT SEQNO = \text{num2}  
Explanation: An internal error has occurred.  
User response: Contact BMC Customer Support.
BMC40589E  STATUS status NOT ALLOWED FOR BACKOUT RECOVERY

Explanation: The utility has detected that a table space or index is in a status that prevents the requested BACKOUT recovery from being performed. Subsequent messages identify the table space or index.

User response: If the status cannot be corrected, resubmit this request without the BACKOUT keyword.

BMC40590I  SWITCHING TO ALTERNATE BSDS COPY DUE TO PRECEDING ERRORS

Explanation: The utility encountered errors accessing a copy of the BSDS.

User response: The utility switches to the alternate BSDS. If this is successful, no action is required for this run. However, you may want to verify whether DB2 is running in single BSDS mode.

BMC40591S  PREVIOUS PAGE NUMBER = X'pagenum1', CURRENT PAGE NUMBER = X'pagenum2'

Explanation: An internal error has occurred.

User response: Contact BMC Customer Support.

BMC40592I  RBA startRba endRba LRSN startLrsn endLrsn MBR ID=mbrID

Explanation: This is a diagnostic message associated with BMC40571S error.

User response: No action is required. BMC Customer Support may ask for AFRPRINT output for problem diagnosis.

BMC40593I  milestone COMPLETE, ELAPSED TIME = time

Explanation: This message shows the elapsed time for a milestone in a step.

User response: No action is required.

BMC40594I  READS = reads, WRITES = writes

Explanation: This message appears as part of buffer manager statistics to assist in assessing performance.

User response: No action is required.

BMC40595I  TIME IN component WAS hh:mm:ss

Explanation: This message shows the time spent in a particular component during a step and is presented to aid performance analysis.

User response: No action is required.

BMC40596I  BUFFER MANAGER STATISTICS:

Explanation: This message introduces buffer manager statistics to assist in assessing performance.

User response: No action is required.
BMC40597I  PROGRESS--PAGE NUMBER pageNumber, ELAPSED TIME = time

Explanation: This message indicates progress in a sequential process (for example, merging space pages). If you have a large space, these messages may appear as performance indicators.

User response: No action is required.

BMC40598I  startRba endRba startLrsn endLrsn (fileType) fileDsn

Explanation: This is a diagnostic message associated with BMC40571S error.

User response: No action is required. BMC Customer Support may ask for AFRPRINT output for problem diagnosis.

BMC40599I  PAGE GETS = getsCount, BUFFER HITS = hitsCount FLUSH = flushCount

Explanation: This message appears as part of buffer manager statistics to assist in assessing performance.

User response: No action is required.

Messages BMC40600 through BMC40699

For the RECOVER PLUS for DB2 product, this topic explains each message in the designated range.

BMC40600E  INVALID STATEMENT--FOUND text--EXPECTING option

Explanation: The text shown was encountered by the utility's command processor while expecting the option shown. If the option is shown inside angle brackets, it indicates an option value rather than the option itself. The offending command is shown following this message.

User response: Refer to the accompanying messages and the syntax diagram to diagnose the problem. Resubmit the job.

BMC40601W  current/previous STATEMENT LACKS parameterName PARAMETER--UNABLE TO CONTINUE type CALCULATIONS

Explanation: An attempt to accumulate sort counts (EST or ABS as shown in parameterName) or average record sizes for log sort failed because the current or previous statement lacked the values. The offending command is shown following this message.

User response: Code syntax consistently on the separate statements and submit the job again.

BMC40602W  current/previous STATEMENT HAS parameterName PARAMETER--UNABLE TO CONTINUE type CALCULATIONS

Explanation: An attempt to accumulate sort counts (EST or ABS as shown in parameterName) or average record sizes for log sort failed because the
parameterName in the current or previous statement is incompatible with the type calculations shown. The offending command is shown following this message.

User response: Code syntax consistently on the separate statements and submit the job again.

**BMC40603E** NAME TOO LONG FOR OBJTYPE type: name

*Explanation:* The utility encountered an object name that it does not support because the name is too long.

*User response:* If the object name is not valid, correct the name and submit the job again. Otherwise, use the IBM RECOVER utility for this recovery.

**BMC40604E** INVALID NAME FOR OBJTYPE type: name

*Explanation:* The utility parsed an object name (for example, a table space name) of the type shown. However, the name that was encountered is invalid for this type. The offending command is shown following this message. You may have mistyped the command or forgotten to delimit a name that includes a character that is not alphabetic (upper or lower case) or national ("@", "+", or ":")

*User response:* Correct the syntax and submit the job again. You can enter a delimited name by enclosing each part of the name in double quotes, for example, "!ABC."MYIX*!ß0!".

**BMC40606E** OBJTYPE type MAY NOT BE DELIMITED: object

*Explanation:* The command processor expected an object (for example, a table space name) of the type shown. The object encountered is delimited, which is not allowed. The offending command is shown following this message.

*User response:* Correct the syntax and submit the job again.

**BMC40607E** INVALID WILDCARD COMBINATION IN OBJTYPE type: object

*Explanation:* The command processor expected an object (for example, a table space name) of the type shown. The object encountered contains illegal wildcard characters. The offending command is shown following this message.

*User response:* Correct the syntax and submit the job again.

**BMC40608E** TOO MANY NODES IN OBJTYPE type: object

*Explanation:* The command processor expected an object (for example, a table space name) of the type shown. Too many periods appear in the object for a legal number of nodes. The offending command is shown following this message.

*User response:* Correct the syntax and submit the job again.
BMC40609E  RECOVER BUILDINDEX MUST BE THE ONLY RECOVER STATEMENT

Explanation: The command processor encountered another RECOVER command after a RECOVER BUILDINDEX command. RECOVER BUILDINDEX cannot be combined with other commands in the same job step.

User response: Execute the commands in separate steps.

BMC40610I  A LOG RECORD FOR THIS OBJECT HAS BEEN ELIMINATED BY PACLOG

Explanation: When using log records while trying to recover a table space or an index space, at least one record was found that had been eliminated from the archive log by PACLOG.

User response: Use archive logs that were not packed.

BMC40611I  INPUT STATEMENTS:

Explanation: The BMC40101 messages that follow this message show the command statements submitted to the utility.

User response: No action is required.

BMC40612E  ONLY ONE OBJECT NAME MAY BE CODED WITH 'TOCOPY'

Explanation: Multiple objects were requested in a RECOVER statement, which also included a TOCOPY option. The TOCOPY option is valid only on an individual RECOVER statement.

User response: Correct the command and submit the job again. You may code multiple RECOVER statements if you want to use TOCOPY with more than one object.

BMC40613E  CONFLICTING OPTIONS IN STATEMENT--FOUND option1 WITH option2

Explanation: The command processor found two conflicting options.

User response: Correct the syntax and submit the job again.

BMC40614E  CONFLICTING OPTIONS IN STATEMENT--FOUND option1 WITHOUT option2

Explanation: The command processor found an option without a required companion option (for example, LOGAPPLY ONLY without FROMRBA).

User response: Correct the syntax and submit the job again.

BMC40615E  CONFLICTING OPTIONS IN SYsin--FOUND option1 WITH option2 IN PREVIOUS STATEMENT

Explanation: The command processor found option1 in one statement with a conflicting option, option2, in another statement.

User response: Correct the syntax and submit the job again.
CONFLICTING OPTIONS IN SYSIN--FOUND *option1* WITHOUT *option2* IN PREVIOUS STATEMENT

Explanation: The command processor found the option shown in one statement, but was missing a required companion from other statements.

User response: Correct the syntax and submit the job again.

CONFLICTING OPTIONS IN SYSIN--MISSING *option1* WITH *option2* IN PREVIOUS STATEMENT

Explanation: The option shown was found in a previous statement but it is also required in this statement.

User response: Correct the syntax and submit the job again.

DDNAME *ddname* CANNOT BE REQUESTED BECAUSE IT CONFLICTS WITH A SORT WORK DDNAME

Explanation: *ddname* was specified for a WORKDDN or OUTCOPYDDN clause. However, it is specified as SORTWK *nn* or L001WK *nn*. These ddnames are reserved for sort work data sets.

User response: Specify a different *ddname* for the data set.

RECOVER UNLOADKEYS CANNOT BE CODED WITHOUT A PART SPECIFICATION

Explanation: The RECOVER UNLOADKEYS statement is designed to address a specific table space partition for nonpartitioned index key extraction. The PART option is required.

User response: To recover a nonpartitioned index, specify REBUILD INDEX. You may also unload keys for multiple partitions by including multiple RECOVER UNLOADKEYS statements.

ERROR WHILE GRANTING BIND PLAN AUTHORITY

Explanation: An error was encountered while attempting to grant the RECOVER PLUS plan to PUBLIC.

User response: Refer to the previous messages to determine why the GRANT failed. To disable the GRANT, set the PUBLICPLAN option in the AFRDOPTS module to NO. Access to the plan must be granted by the customer after the RECOVER PLUS plan has been bound (after the first successful execution of RECOVER PLUS).

BAD RETURN CODE *returnCode* FROM ASSEMBLER ROUTINE *routine* -- DB2 HAS PROBABLY COME DOWN

Explanation: An error has occurred in a routine communicating with DB2. The DB2 subsystem may have come down.

User response: If the DB2 subsystem is down, bring it up and restart the utility. If DB2 has not gone down, contact BMC Customer Support.
BMC40622E  OBJECT DOES NOT EXIST

Explanation: A recovery request was made for an object that does not exist in the DB2 catalog.

User response: Check the DB2 subsystem and the object name. Correct the object name and submit the job again.

BMC40623E  INDEX creator.ixname IS NOT IN TABLESPACE
databaseName.tableSpaceName

Explanation: A request was made to recover the index shown, and it was further qualified by the table space specification shown. The DB2 catalog does not show this index as associated with this table space.

User response: Check the relationship between the index and table space. Note that if you are rebuilding indexes on more than one space, you must use separate statements.

BMC40624E  DUPLICATE RECOVER REQUEST

Explanation: The index was specified or implied in more than one recovery statement. This is not allowed.

User response: Check the RECOVER INDEX, REBUILD INDEX, and RECOVER UNLOADKEYS statements for a duplicate entry. You may have a request for ALL as well as a specific index. Eliminate duplicate requests and submit the job again.

BMC40625E  DUPLICATE RECOVER/REBUILD INDEX(ALL) REQUEST FOR
TABLESPACE databaseName.tableSpaceName

Explanation: The recovery request included duplicate RECOVER INDEX(ALL) or REBUILD INDEX(ALL) statements for the table space shown.

User response: Correct the command and submit the job again.

BMC40626W  TABLESPACE databaseName.tableSpaceName EITHER DOES NOT EXIST OR IT HAS NO TABLES AND THEREFORE NO INDEXES

Explanation: An index rebuild statement was specified for the table space shown. However, either the table space does not exist, or no tables are defined in the table space, and therefore no indexes exist.

User response: Check the table space specification. Correct the command or remove the index recovery statement and submit the job again.

BMC40627E  BACKOUT SPECIFICATION MUST BE THE SAME FOR ALL OBJECTS IN THE SYSIN

Explanation: The utility has detected that some requests in SYSIN call for the BACKOUT recovery strategy, but others do not. This combination is not allowed.

User response: Either remove the BACKOUT keyword from all requests, or specify it for all requests. Alternatively, you can specify BACKOUT on the
OPTIONS statement. Then all point-in-time recovery requests in SYSIN will use the BACKOUT strategy.

**BMC40628E**

**CATALOG COL NUM SPEC INCONSISTENT IN TABLE creator.tableName**

*Explanation:* RECOVER PLUS has looked up values in the DB2 catalog tables SYSIBM.SYSTABLES and SYSIBM.SYSCOLUMNS during the analyze phase of a recover or rebuild index request for an index on the table shown. The COLCOUNT column in SYSIBM.SYSTABLES disagrees with the number of rows found in SYSIBM.SYSCOLUMNS for this table.

*User response:* Use SPUFI to determine if the catalog is broken. If it is, follow IBM instructions to recover the catalog. If the catalog is not broken, an internal error has occurred. Contact BMC Customer Support.

**BMC40629E**

**INVALID COLUMN TYPE 'type' IN TABLE creator.tableName**

*Explanation:* The value found for a row in the COLTYPE column of the SYSIBM.SYSCOLUMNS table in the DB2 catalog is not recognized by RECOVER PLUS. The value found is shown in the message.

*User response:* Use SPUFI to determine if the catalog is broken. If it is, follow IBM instructions to recover the catalog. If the catalog is not broken, an internal error has occurred. Contact BMC Customer Support.

**BMC40630E**

**COULDN'T OBTAIN REQUIRED INFORMATION FROM DBD FOR:**

*Explanation:* When DBD access fails and the table space is greater than 4 GB with a greater than 4 KB page size, processing stops.

*User response:* Fix the DBD problem and rerun the job.

**BMC40631E**

**TARGET PSID X’psid’ DOES NOT MATCH PSID FOR SPACE tableSpaceName**

*Explanation:* Object ID translation was requested with the DROPRECOVERY keyword using the target PSID shown. The catalog shows a different internal identifier for the space. The utility expects to be recovering the space as it is now defined, and these should match.

*User response:* Check your IDs or omit the target and let the utility insert it.

**BMC40632I**

**SYSLGRNX APPEARS TO BE CLOSED**

*Explanation:* The utility found that the SYSLGRNX data set is closed.

*User response:* No action is required.

**BMC40633I**

**USING STANDARD DB2 SECURITY**

*Explanation:* Security exit module DSNX@XAC was loaded and executed, but its use was turned off.

*User response:* No action is required if the use of DSNX@XAC is not intended. Otherwise, set DSNX@XAC return codes appropriately. See the IBM manual information for authorization exits.
TABLESPACE `databaseName.tableSpaceName` DOES NOT EXIST

*Explanation:* The table space shown is named in a statement, but the table space is not in the DB2 catalog.

*User response:* Check the name of the table space and the DB2 subsystem. Correct the specification and submit the job again.

PART NUMBER `n` IS INVALID FOR INDEX `creator.ixname`

*Explanation:* The part number shown appeared in a statement for the index shown. However, the part number is not a valid part for the table space containing the table on which the index is defined. Either the table space is not partitioned or it does not contain `n` partitions.

*User response:* Correct the syntax and submit the job again.

INVALID DATA SET NUMBER FOR TABLESPACE `databaseName.tableSpaceName`

*Explanation:* The table space shown was specified on a statement with a data set number specified. The data set number is greater than the number of data sets for this space.

*User response:* Correct the statement and submit the job again.

DUPLICATE RECOVER REQUEST FOR TABLESPACE `databaseName.tableSpaceName` DSNUM `dsNum`

*Explanation:* The table space shown was specified more than once in the statements. This is not allowed.

*User response:* Correct the statement and submit the job again.

ALL OBIDXLAT `type` SPECIFICATIONS FOR OBJECT `objectName` MUST BE THE SAME

*Explanation:* OBIDXLAT was coded on multiple statements for the same object (`objectName`) but the values specified in the DBID, PSID, or OBID clause (`type`) do not match.

*User response:* Code the correct translation information on one statement and omit the others. The translation will be in effect for the entire object. You can code it on each statement, but ensure they are all consistent.

THE ABOVE SYSCOPY ENTRY MAKES THIS OBJECT OR PARTITION UNRECOVERABLE

*Explanation:* An entry in the SYSIBM.SYSCOPY table (for a table space or COPY YES indexes) or in the BMCXCOPY table (for COPY NO indexes) makes this space unrecoverable.

If your log range includes a REORG or LOAD event, you cannot:

- forward recover a table space or an index if the event is LOG NO
- forward recover an index if the event is LOG YES
- backout if the event is LOG NO or LOG YES

For indexes, no REBUILD INDEX events can exist in this range.

The table space or index name and the row from SYSIBM.SYSCOPY or the BMCXCOPY table that caused the space to be unrecoverable are reported in accompanying messages.

*User response:* If you are recovering the space, a copy failure may have caused the utility to need to fall back. If you are creating a change accumulation file, you need to create an image copy on which to base the change accumulation.

If the unrecoverable object is an index and the owning table space is available, you can use the REBUILD INDEX command to rebuild the index from the table space data.

**BMC40640I**

**date time RBA/LRSN X'logPoint'entryType [[UNUSED]]**

**Explanation:** This message (and possibly messages BMC40302 and BMC40641) provides the contents of an entry in the SYSIBM.SYSCOPY table (for table spaces or COPY YES indexes) or the BMCXCOPY table (for COPY NO indexes), and provides additional information to accompany other messages. If (UNUSED) appears, the entry shown is in the range considered for the run, but has no effect on the run. For example, a LOGONLY or LOGAPPLY ONLY recovery shows any entries for first choice copies in the range of FROMRBA to TORBA.

*User response:* Refer to the accompanying messages for further action.

**BMC40641I**

**SHRLEVEL = shrlevel SITETYPE = siteType DNUM = dsNum**

**Explanation:** See message BMC40640.

*User response:* No action is required.

**BMC40642E**

**REQUESTED IMAGE COPY dataSetName UNSUSABLE OR NOT FOUND IN SYSIBM.SYSCOPY**

**Explanation:** RECOVER...TOCOPY was specified for a table space or index, but the copy could not be matched to an entry in the SYSIBM.SYSCOPY table (for a table space or COPY YES indexes) or the BMCXCOPY table (for COPY NO indexes). Any previous occurrences of messages BMC40125 or BMC40650 may identify a misspelled parameter.
RECOVER PLUS also issues this message if an unusable copy is requested in a TOCOPY recovery. For example, the copy exists in SYSCOPY or BMCXCOPY but an ALTER event after this copy makes the copy unusable.

*User response:* If the name of the image copy is misspelled, correct the statement and submit the job again. Otherwise, run a REPORT RECOVERY on the object to find the ALTER event. Rerun the job with a recovery point after this event.

**BMC40643I**  
'RECOVER type' COMMAND IS INVALID FOR PARTITIONED INDEX creator.ixname

*Explanation:* A RECOVER UNLOADKEYS or RECOVER BUILDINDEX statement was specified for a partitioned index. These statements are valid only for nonpartitioned indexes on partitioned spaces.

*User response:* Specify REBUILD INDEX to rebuild a partitioned index. Correct the statement and submit the job again.

**BMC40644E**  
CONFLICTING ANALYZE PARAMETERS

*Explanation:* The ANALYZE option was specified for multiple statements with different option values. This is not permitted.

*User response:* Correct the statements and submit the job again. You may code the ANALYZE option on one statement or on the OPTIONS statement and it will become the default for all ANALYZE options in the job. Note that ANALYZE SCANONLY for change accumulation is compatible with ANALYZE ONLY and ANALYZE YES for recovery.

**BMC40645E**  
INVALID FIELDPROC COLUMN TYPE 'value' IN TABLE creator.tableName

*Explanation:* RECOVER PLUS has found a value for an entry in the FLDTYPE column of the SYSIBM.SYSFIELDS table of the DB2 catalog that it does not recognize.

*User response:* Use SPUFI to determine if the catalog is broken. If it is, follow IBM instructions to recover the catalog. If the catalog is not broken, an internal error has occurred. Contact BMC Customer Support.

**BMC40646E**  
NO VALID OBJECTS TO PROCESS

*Explanation:* The utility found no valid objects to process. Your input stream may be empty or may contain entries that implied no objects. (For example, a REBUILD INDEX(ALL) statement for a table space with no indexes.)

*User response:* Check message BMC40101 and any other warnings issued.

**BMC40647S**  
INTERNAL FAILURE IN LOOKUP OF SYSLGRNX RBAS. RETURN CODE = returnCode (explanation)

*Explanation:* A failure has occurred while accessing SYSLGRNX information from DB2. This message will appear only for version 3.1 of DB2.

*User response:* Ensure that the DB2 subsystem did not go down after connection to it. If this is not the case, contact BMC Customer Support.
BMC40648S  INTERNAL FAILURE IN LOOKUP OF CURRENT RBA OR LRSN, CODE = returnCode

Explanation: A failure occurred while attempting to obtain the current RBA or LRSN value from the DB2 subsystem.

User response: Ensure that the DB2 subsystem did not go down after connection to it. If this is not the case, contact BMC Customer Support.

BMC40649W  REGISTERED OUTCOPY ONLY NOT ALLOWED AT SAME LOG POINT AS A FULL COPY

Explanation: A request was made to register an OUTCOPY ONLY COPY. The copy or log point requested for the end point is the log point of a registered full copy. You cannot register another copy at this point with OUTCOPY ONLY. The copy data set is built but not registered. The data set name shown is the data set name of one of the copies registered at this point.

User response: If you are satisfied with the unregistered image, no action is required. If you need another registered copy at this log point and have not registered the maximum of four copies (local primary, local backup, remote primary, and remote backup), you can use COPY PLUS for DB2 to do a copy image copy. This guarantees that you have only legal combinations of newly created copies and old registered copies.

BMC40650I  TOCOPY dataSetName FOR DSNUM dsNumCopy OF OBJECT FOUND WHILE LOOKING FOR DSNUM dsNumSpec

Explanation: The RECOVER TABLESPACE or RECOVER INDEX command specified the TOCOPY option with the data set name shown (dataSetName). However, the copy found in the SYSCOPY table (for table spaces or COPY YES indexes) or in the BMCXCOPY table (for COPY NO indexes) is for data set dsNumCopy and the recover is specified for dsNumSpec. The table space or index name is shown in subsequent messages.

User response: If RECOVER PLUS later finds and uses an image copy with the same DSN for DSNUM dsNumSpec, no action is required. However, if message BMC40642 is issued and the RECOVER PLUS job terminates with a return code 8, rerun the job specifying TOCOPY with dataSetName or dsNumSpec corrected.

BMC40651I  UNABLE TO OBTAIN BSDS NAME, CODE = returnCode

Explanation: The utility failed to obtain the name of the boot strap data set (BSDS) from your DB2 subsystem.

User response: Ensure that the DB2 subsystem did not go down after connection to it. If this is not the case, contact BMC Customer Support.

BMC40652S  UNABLE TO OBTAIN CATALOG HIGH LEVEL, CODE = returnCode

Explanation: The utility failed to obtain the high-level node for your DB2 subsystem.

User response: Ensure that the DB2 subsystem did not go down after connection to it. If this is not the case, contact BMC Customer Support.
BMC40654S  FAILURE READING resource--CODE returnCode
Explanation:  RECOVER PLUS failed reading the resource shown.
User response:  Contact BMC Customer Support.

BMC40655E  RECOVER UNLOADKEYS AND RECOVER NON-PARTITIONED INDEX UNSUPPORTED COMBINATION ON TABLESPACE databaseName.tableSpaceName
Explanation:  The table space and data set shown were named in a RECOVER UNLOADKEYS statement. However, a REBUILD INDEX statement for a nonpartitioned index on a table in this table space is also present. This is not allowed.
User response:  Use RECOVER UNLOADKEYS or REBUILD INDEX for all nonpartitioned indexes on the space.

BMC40656W  ddname DD'S CODED IN JCL, SORT PARAMETERS IGNORED FOR sortType
Explanation:  The SORTDEVT and SORTNUM for the log or key sort were specified in the SYSIN. However, you have also specified L001WK nn or SORTWK nn DD statements in the JCL. The sort options are overridden by the DD statements.
User response:  No action is required.

BMC40657E  SOURCE OBID 'obid' CODED MORE THAN ONCE FOR OBJECT objectName
Explanation:  OBIDXLAT was specified on more than one statement for the object identified by qualifierName. The source OBID was specified more than once with a different target ID.
User response:  Code the correct translation table on one statement. You can code it on all statements but ensure the values are consistent.

BMC40658S  UNRECOVERABLE--NO FULL COPY AND NO LOG AVAILABLE
Explanation:  The space named in a previous message does not have resources available for recovery. If the space is part of a change accumulation group being processed or a LOGSCAN was requested for it, the utility run will continue after issuing this message.
User response:  If the space is part of a change accumulation group being processed, you may want to make an image copy to start your recovery resources. If the space is being recovered, you may find that a copy was not available and be able to remedy this situation and recover.

BMC40659W  OLD ROWS FOUND IN BMCXCOPY FOR OBJECT objectName
Explanation:  RECOVER PLUS has detected that there are rows in the BMCXCOPY table for a COPY NO index or an Instant Snapshot copy that represent events before the existence of the named object.
User response:  Execution continues after this warning. The old data can be removed with the MODIFY command of the BMC COPY PLUS for DB2
product. Please refer to the COPY PLUS for DB2 Reference Manual for instructions.

**BMC40660E**  IMAGE COPY DSN dataSetName CODED IN BOTH DD'S ddname1 AND ddname2

*Explanation:* The image copy data set named in the message appears on more than one DD statement. Two ddnames are shown. This is invalid.

*User response:* You do not have to code DD statements for image copy data sets. The utility will automatically optimize for stacked tapes. Either remove all such DD statements from the JCL or correct the problem shown.

**BMC40661E**  option DIFFERENT FOR IX'S creator1.ixname1 AND creator2.ixname2 ON TS databaseName.tableSpaceName

*Explanation:* The indexes shown are on the same table space and are required to share a key work data set. However, the option (WORKDDN, SORTNUM, or SORTDEVT) in their REBUILD INDEX or RECOVER UNLOADKEYS statements are different.

*User response:* Modify the options to make them consistent and submit the job again.

**BMC40662E**  RECOVER option COMMAND FOR creator.ixname IS INVALID FOR INDEXES ON NONPARTITIONED TABLESPACES

*Explanation:* The option (UNLOADKEYS or BUILDINDEX) is only valid for nonpartitioned indexes on partitioned table spaces.

*User response:* If you want to rebuild the index, submit a REBUILD INDEX command in a separate job step.

**BMC40663E**  ILLEGAL COMBINATION: REBUILD INDEX creator.ixname AND OUTCOPY ONLY ON TABLESPACE databaseName.tableSpaceName

*Explanation:* The index shown is defined on the table space shown. The index cannot be rebuilt while creating an OUTCOPY ONLY copy of the table space.

*User response:* Submit the commands in separate job steps.

**BMC40664E**  DDNAME ddname FOR (DSNUM n OF) IX creator.ixname NOT IN JCL

*Explanation:* The ddname shown was required for the key work data set for the index data set shown. It is specified in the WORKDDN or SKEYDDN option.

*User response:* Add a DD statement for the key work data set in the JCL, or correct the WORKDDN option. To send keys for a REBUILD INDEX directly to the sort program, specify the NOWORKDDN option or omit the WORKDDN/NOWORKDDN option altogether and ensure that you do not have a SYSUT1 DD statement in your JCL.
**BMC40665E**  
**ddname** PREFIX prefix FOR IX creator.ixname PART n IS LONGER THAN n CHARACTERS.

*Explanation:* The index and partition shown is indicated in a REBUILD INDEX statement. However, there are RECOVER UNLOADKEYS statements for the same table space and partition. The WORKDDN option is therefore construed to be a prefix on the REBUILD INDEX statement, but the option value *(ddname prefix)* is greater than maximum allowed length. The maximum length is 6 for table spaces with fewer than 100 partitions. Otherwise, the maximum length is 5.

*User response:* Specify the same WORKDDN prefix on the RECOVER UNLOADKEYS and REBUILD INDEX statements. It must not exceed the maximum length. Provide DD statements for each partition as prefixnn, where nn is the partition number.

**BMC40666E**  
**action** IS NOT ALLOWED BECAUSE INCOPY WAS SPECIFIED

*Explanation:* The input image copy specified using the INCOPY syntax was unusable. A RESTART or FALBACK will attempt to use another copy, but the INCOPY syntax makes this impossible. Refer to BMC40301 for the space name.

*User response:* Terminate the utility and resubmit the job or rerun a s NEW specifying a new INCOPY data set name.

**BMC40667I**  
VALUE1 = text1, VALUE2 = text2

*Explanation:* This message provides further information for BMC40661. The values will represent SORTDEVT names, SORTNUM values, or ddnames.

*User response:* Refer to BMC40661 for further information.

**BMC40668E**  
RECOVERY OF INDEX creator.ixname NOT SUPPORTED BECAUSE OF AN ASCII OR UNICODE DEFAULT CONSTANT

*Explanation:* The index on an ASCII or UNICODE table includes a CHAR, VARCHAR, DATE, TIME, or TIMESTAMP column defined with NOT NULL WITH DEFAULT constant/USER/SQLID, and the table has been altered with the SQL ALTER statement. Because of an earlier failure in access to the DBD, this request fails.

*User response:* Contact BMC Customer Support.

**BMC40669E**  
DUPLICATE DDNAME ddname FOR INDEXS creator1.ixname1 AND creator2.ixname2

*Explanation:* A REBUILD INDEX or RECOVER UNLOADKEYS statement refers to the same ddname as another REBUILD INDEX or RECOVER UNLOADKEYS statement of a different table space.

*User response:* Change the WORKDDN or SKEYDDN to eliminate the conflict.
BMC40670E  request OF SYSTEM OBJECT objectName NOT SUPPORTED
Explanation: The request shown is not allowed for the system object shown.
User response: If you are performing a recovery, you must use the IBM DB2 RECOVER utility. If you are processing a change accumulation, this function is not possible.

BMC40671E  THE PARTITIONED INDEX creator.ixname MUST SPECIFY NOWORKDDN
Explanation: If you use RECOVER UNLOADKEYS statements, which sort the unloadkeys files, and REBUILD INDEX statements for the same table space, the REBUILD INDEX statement must specify NOWORKDDN.
User response: Direct the keys for the REBUILD INDEX statement to NOWORKDDN.

BMC40672E  CONFLICTING LOCALSITE/RECOVERYSITE OPTION FOR OBJECT objectName
Explanation: The RECOVER syntax for a partitioned or a multi-data-set table space or index specifies LOCALSITE for one data set and RECOVERYSITE for another. The LOCALSITE/RECOVERYSITE option must be the same for all data sets.
User response: Correct the syntax and resubmit the job.

BMC40673E  NOWORKDDN WAS CODED OR DEFAULTED FOR IX creator.ixname AND ddnType ddname
Explanation: Two REBUILD INDEX or RECOVER UNLOADKEYS statements were specified for the same table space. The statement for the index shown had the NOWORKDDN option specified. NOWORKDDN may have defaulted because nothing was coded and there was no SYSUT1 in the JCL. Message BMC40674 accompanies this message and shows the second statement that specified WORKDDN or SKEYDDN with the ddname shown for the index.
User response: Modify the statements to make these options consistent and submit the job again.

BMC40674I  WAS CODED FOR IX creator.ixname IN TS databaseName.tableSpaceName
Explanation: See message BMC40673.
User response: No action is required.

BMC40675E  INPUT IMAGE COPY dataSetName IS REFERRED TO BY THE SAME DD
Explanation: The data set name shown is an input image copy found in the JCL. However, its DD statement was referred to by some other option. Additional messages accompany this message and provide additional information.
User response: Correct either the options or the JCL and submit the job again.
**AN ENTRY FOR OUTPUT COPY dataSetName ALREADY EXISTS IN copyTable**

*Explanation:* The data set name `dataSetName` is specified on a DD statement indicated in the OUTCOPYDDN option of a space specification. However, the data set name is already in the table named by `copyTable`, either the SYSIBM.SYSCOPY table (for table spaces or COPY YES indexes) of the DB2 catalog, or the BMCXCOPY table (for COPY NO indexes).

*User response:* Specify a different data set name for the copy that has not been used, or delete the data set name entry from the SYSIBM.SYSCOPY table, using the MODIFY utility.

**OUTCOPYDDN `ddname` USED FOR MULTIPLE SPACES:**

*Explanation:* `ddname` is specified for the OUTCOPYDDN option for a table space or index. Another option names or implies the same `ddname`. See accompanying messages for the other use of this `ddname` and for the names of the table spaces and indexes involved.

*User response:* Specify different ddnames, or correct the JCL if necessary, and submit the job again.

**AS A `ddnType` FOR INDEX creator.ixname**

*Explanation:* This message provides further information for a data set name conflict. `ddnType` refers to a SKEYDDN or WORKDDN.

*User response:* See previous RECOVER PLUS message.

**AS AN OUTCOPYDDN FOR**

*Explanation:* This message provides further information for a data set name conflict.

*User response:* See previous RECOVER PLUS message.

**OUTPUT COPY DDNAME `ddname` IS NOT CODED IN THE JCL FOR**

*Explanation:* `ddname` was specified for the OUTCOPYDDN option for the object shown. However, the DD statement was not found in the JCL.

*User response:* Correct either the statement or the JCL and submit the job again.

**IMAGE COPY NOT REGISTERED - MULTIPLE PARTITIONS RESTORED TO DIFFERENT LOG POINTS**

*Explanation:* In this case, an OUTCOPY ONLY full image copy was created for an entire partitioned space, but all partitions were not recovered to the same point in time. The copy is created, but not registered in SYSIBM.SYSCOPY (for a table space or COPY YES indexes) or in the BMCXCOPY table (for COPY NO indexes). Subsequent messages identify the table space or index for which the copy was requested.

*User response:* When making an OUTCOPY ONLY DSNUM 0 image copy, be sure all partitions are recovered to the same point in time if the copy is to be registered in SYSIBM.SYSCOPY.
**BMC40682E**  
**RECOVERY OF INDEX creator.ixname ON DB2 CATALOG TABLE creator.tbname NOT SUPPORTED**

*Explanation:* Recovery was requested for an index defined on the DB2 system catalog table named.

*User response:* Run the IBM DB2 RECOVER utility to recover this index.

**BMC40683I**  
**THERE ARE NO LOG RECORDS FOR THIS RECOVERY - SPACE WILL BE RESET**

*Explanation:* A LOAD REPLACE LOG YES or REORG LOG YES caused RECOVER PLUS to initiate a recovery from the point indicated in the log (see message BMC40684). However, no log ranges were found. This indicates that there are no rows. The space will be reset with a header page and space map.

*User response:* No action is required.

**BMC40684I**  
**PROCESSING WILL OCCUR FROM THE POINT REPRESENTED BY THE ABOVE SYSCOPY ENTRY**

*Explanation:* A LOAD REPLACE LOG YES or LOAD REPLACE LOG NO entry was found in the SYSIBM.SYSCOPY table for the table space identified in a previous message. The actual row entry from SYSIBM.SYSCOPY is shown above this message. Processing begins at this point in the log.

*User response:* No action is required.

**BMC40685I**  
**THE ABOVE SYSCOPY ENTRY WAS DISCARDED DUE TO A POINT-IN-TIME RECOVERY**

*Explanation:* The utility searched SYSCOPY (for table spaces or COPY YES indexes), or BMCXCOPY (for COPY NO indexes), and found the entry above in the LRSN range of a previous point-in-time recovery. This entry is ignored for the current activity.

*User response:* No action is required.

**BMC40686E**  
**YOU ARE NOT DB2 AUTHORIZED TO PROCESS DATABASE databaseName**

*Explanation:* You do not have sufficient authority from DB2 to recover a space in the database indicated.

*User response:* Contact your DBA or systems programmer.

**BMC40687I**  
**NO DIRTY PAGES FOUND IN MEMORY FOR SYSLGRNX**

*Explanation:* The utility is simply noting that the SYSLGRNX table space has been checkpointed as of the RBA that is needed. This is diagnostic information.

*User response:* No action is required.
BMC40688I  DIRTY SYSLGRNX PAGES EXIST. \( n \) TRIES WERE NECESSARY TO GET RBAS X’rba1’ AND X’rba2’

Explanation: The utility is noting the results of its query of the status of SYSLGRNX.

User response: No action is required.

BMC40689S  DIRTY SYSLGRNX PAGES EXIST BUT \( n \) TRIES WERE MADE AND CONSISTENT RBAS COULD NOT BE OBTAINED

Explanation: An error has occurred while attempting to access SYSLGRNX.

User response: Contact BMC Customer Support.

BMC40690I  SOURCE OBID X’obid’ CODED WITH MORE THAN ONE TARGET ID ON OBJECT objectName

Explanation: OBIDXLAT was coded on multiple statements for the object shown. The source ID shown was coded more than once with different target IDs.

User response: Correct the OBID translation syntax and resubmit the job. You only need to code the translation information on one statement. However, if you want to code it multiple times, ensure it is consistent.

BMC40691E  OBID PAIR (X’sourceObid’, X’targetObid’) NOT SPECIFIED ON ALL STATEMENTS FOR OBJECT objectName

Explanation: OBIDXLAT appeared on more than one statement for the object shown. However, the OBID pair shown was on some, but not all, statements.

User response: Correct the OBID translation syntax and resubmit the job. You only need to code the translation information on one statement. However, if you want to code it multiple times, ensure it is consistent.

BMC40692E  UNABLE TO USE DEFAULT OBID VALUE BECAUSE databaseName.tableSpaceName HAS MULTIPLE TABLES

Explanation: OBIDXLAT was coded on a RECOVER statement for the specified table space but an OBID clause was not coded or only a single OBID clause was coded with either the source or target value omitted. The table space contains multiple tables so it is not possible to determine the correct OBID values.

User response: You must code at least one OBID clause with both source and target values specified or you must code a DBID or PSID clause.

BMC40693S  TS OR PART IS UNRECOVERABLE, USING FULL COPY CREATED BY BMC REORG SLC REQUIRES USABLE INCREMENTAL COPY

Explanation: A full copy made by a REORG PLUS SHRLEVEL CHANGE job demands a subsequent incremental copy and the incremental cannot be found.

User response: Contact BMC Customer Support.
NO INDEXES FOUND WHEN 'REBUILD INDEX', 'RECOVER UNLOADKEYS', 'RECOVER BUILDINDEX' OR 'RECOVER INDEX' SPECIFIED WITH 'ALL'

Explanation: The table space identified in an accompanying message was named in a REBUILD INDEX(ALL), RECOVER INDEX(ALL), RECOVER UNLOADKEYS(ALL), or RECOVER BUILDINDEX(ALL) statement but none of the tables in the table space has any indexes defined.

User response: If this statement was coded correctly, no action is required. Check that the correct table space was requested.

STOGROUP stogroupName CODED FOR ORDERING, BUT NOT FOUND FOR ANY RECOVERABLE OBJECT

Explanation: The STOGROUP shown was coded in an OPTIONS statement with the USEORDER option, but no object in the run uses the STOGROUP.

User response: No action is required. Make sure a different STOGROUP was not intended for reordering.

VOLUME volumeSerialNumber CODED FOR STOGROUP stogroupName, BUT IS NOT IN THAT STOGROUP

Explanation: The STOGROUP shown was coded in an OPTIONS statement with the USEORDER option and included the volumeSerialNumber shown. However, volumeSerialNumber is not part of the STOGROUP.

User response: Correct the volumeSerialNumber shown or, if the volumeSerialNumber shown is needed for processing this STOGROUP, do an ALTER STOGROUP, ADDVOLUMES to add this volumeSerialNumber.

NO OUTPUT COPIES CODED WITH OUTCOPY YES OR OUTCOPY ONLY

Explanation: OUTCOPY YES or OUTCOPY ONLY was specified in the RECOVER statement but the utility found no DD statements in the JCL or OUTPUT statements in the RECOVER PLUS input for these output copies.

User response: Specify the appropriate DD statements for the desired output copies.

ACCUM GROUP groupName REQUESTED MORE THAN ONCE DUE TO WILDCARD RESOLUTION

Explanation: The groupName shown was part of the result list from more than one ACCUM GROUP statement.

User response: No action is required. However, be aware that if you put these statements in separate jobs, the same group is addressed by both statements.

NO TABLESPACES MATCHING wildcardString WERE FOUND

Explanation: The wildcardString shown appeared in a statement but no entries in the subsystem catalog matched this string.

User response: Check the wildcardString you have coded.
Messages BMC40700 through BMC40799

For the RECOVER PLUS for DB2 product, this topic explains each message in the designated range.

**BMC40700I**

**EXECUTION PLAN SUMMARY:**

*Explanation:* This message begins a summary of the phases planned for this execution of the utility.

*User response:* No action is required.

**BMC40701I**

**PHASE: phaseName**

*Explanation:* This message shows a phase in the plan for this execution of the utility.

*User response:* No action is required.

**BMC40702I**

**STEP: stepName**

*Explanation:* This message shows a step in the plan for this execution of the utility.

*User response:* No action is required.

**BMC40703I**

**NEW PLAN FOR REMAINING PHASES AFTER FALLBACK:**

*Explanation:* Fallback processing has begun, causing the utility to replan the remaining phases. This message introduces the plan summary for the remaining phases of the execution of this utility.

*User response:* No action is required.

**BMC40704I**

**n PAGES FROM PAGE NUMBER pgNum**

*Explanation:* This is an informational message describing a preceding message (BMC40702) for a step to read log records. This message, which is part of the recovery plan produced by RECOVER PLUS, gives the number of pages to be read from the log data set indicated in BMC40302.

*User response:* No action is required.

**BMC40705I**

**VOLUMES IN STOGROUP stogroupName WILL BE USED IN THE FOLLOWING ORDER:**

*Explanation:* An object using a STOGROUP is scheduled for recovery. Message BMC40707 shows the order in which the volumes will be used by the utility.

*User response:* No action is required.
BMC40706E  INCOPY DSNAME dataSetName CODED MORE THAN ONCE WITH INCOMPATIBLE PARAMETERS

Explanation: The INCOPY dataSetName shown appeared on more than one statement. The specification of the RBA/LOGPOINT or SHRLEVEL is not consistent.

User response: Correct the INCOPY information and resubmit the job.

BMC40707I  (volumeSerialNumberList)

Explanation: This message shows the volumes (separated by commas) to give further information for a previous message.

User response: See previous message.

BMC40708E  NUMBER OF OBID ENTRIES DIFFERENT FOR TWO STATEMENTS WITH OBIDXLAT FOR OBJECT objectName

Explanation: Two statements for the object shown had OBIDXLAT options but the number of OBID translations was different.

User response: Correct the OBIDXLAT information. You only need to code the information on one statement.

BMC40709I  OBJECT SUMMARY:

Explanation: This message introduces a list of objects involved in this run along with the actions to be taken and the resources to be used and created.

User response: No action is required.

BMC40710I  PAGE SIZE = pageSize SEGSIZE = segmentSize

Explanation: The page size and segment size of the index space are described in the object summary.

User response: No action is required.

BMC40711I  DBID = X'\text{dbid}' PSID = X'\text{psid}'

Explanation: The DBID and PSID of a space are shown for your information.

User response: No action is required.

BMC40712I  ORIGINAL STATUS = status

Explanation: The original status of the space described in the object summary.

User response: No action is required.

BMC40713I  PARTITION = n OF totalNumberOfPartitions

Explanation: For a partitioned space, this message reports the partition described in the Object Summary and the total number of partitions for the space. If the space is LARGE, this will be reported at the end of the message as (LARGE).

User response: No action is required.
**BMC40714I**  
**NUMBER OF DATA SETS = n**  
*Explanation:* For a nonpartitioned multi-data-set space, this message reports the total number of data sets catalogued before the RECOVER PLUS execution.  
*User response:* No action is required.

**BMC40715I**  
**VCAT DEFINED**  
*Explanation:* The space described in the Object Summary is VCAT defined.  
*User response:* No action is required.

**BMC40716I**  
**STOGROUP = stogroupName PRIQTY = n SECQTY = n [DEFINE NO]**  
*Explanation:* The space described in the Object Summary is storage group defined. The message reports the storage group name and the minimum primary and secondary space allocations. The message also reports if the object uses DEFINE NO.  
*User response:* No action is required.

**BMC40717E**  
**THE DATASET ON DD ddname IS NOT REQUIRED IN THIS RECOVERY BUT SHARES A TAPE VOLUME WITH OTHER REQUIRED DATASETS**  
*Explanation:* You have coded a DD in your JCL that specifies a data set on tape that is not required in the current recovery step, but this DD either contains a VOL=REF= parameter that references another data set that is required, or this DD is referenced in a VOL=REF= parameter on another DD for a required data set.

This situation is most likely to occur when a previous RECOVER PLUS job completed some recoveries but then failed. If a subsequent job specifies RESTART but the JCL is not modified, some of the data sets may no longer be needed because they were processed by the previous job, thus resulting in this error during the planning phase of the RESTART job.

*User response:* Correct the JCL by removing DD statements for any data sets that are not participating in the recovery. For input data sets, you may need to code specific volume serial numbers. However, the easiest approach for input data sets is to simply remove the DD statements and let RECOVER PLUS dynamically allocate the data sets in the most efficient manner. For output data sets, just remove the unneeded DD statements and recode or remove the VOL=REF= parameter on the remaining DD statements as appropriate. As an example, assume that you are creating image copies using the OUTCOPY feature of RECOVER PLUS. Your job recovers three table spaces, SPACE1, SPACE2, and SPACE3 and creates an image copy for each table space - COPY1, COPY2, and COPY3. You want to stack the copies on tape so you have coded DD statements like the following:

```
//DD1 DD DISP=(NEW,CATLG),DSN=...COPY1,UNIT=CART....
//DD2 DD DISP=(NEW,CATLG),DSN=...COPY2,VOL=REF=*.DD1....
//DD3 DD DISP=(NEW,CATLG),DSN=...COPY3,VOL=REF=*.DD2....
```
The job recovers table spaces SPACE1 and SPACE3 (creating COPY1 and COPY3) but fails for some reason while recovering SPACE2. When you prepare to restart the job, remove DD1 and DD3 and code only DD2 without the VOL=REF= parameter.

**BMC40718S**  LACK OF A USABLE FULL IMAGE COPY MAKES THIS INDEX UNRECOVERABLE

*Explanation:* There is no full image copy available to recover the named index.

*User response:* Use the REBUILD INDEX command to rebuild the index from the table space data.

**BMC40719I**  LOG MANAGER STATISTICS:

*Explanation:* This message introduces log manager statistics after the log apply phase is complete.

*User response:* No action is required.

**BMC40720I**  count LOG RECORDS APPLIED

*Explanation:* This message provides a count of log records used to update a space data set. This number will be greater than the number of SQL updates, inserts and deletes processed. Several log records may be generated for each transaction.

*User response:* No action is required.

**BMC40721I**  PHASE INITIALIZATION:

*Explanation:* This message introduces a list of actions taken to initialize for a utility phase. It is shown as a part of the plan summary presented with ANALYZE YES or ONLY. During initialization buffers are allocated, any necessary sorts are started, and data sets are allocated and opened.

*User response:* No action is required. This message is presented to show you the processing that takes place for the phase.

**BMC40722W**  NO LOG RECORDS FOR A ‘LOGAPPLY ONLY’ RECOVERY

*Explanation:* The space named in a previous message had no log ranges from the FROMRBA specified to the TORBA/TOLOGPOINT specified (or the current LRSN if no TORBA/TOLOGPOINT was specified).

*User response:* If the FROMRBA was specified correctly, no further action is required. Otherwise, run a recovery with the correct LRSN.

**BMC40723I**  ENCODING SCHEME = scheme

*Explanation:* This message displays the encoding scheme (ASCII or EBCDIC) defined for this space.

*User response:* No action is required.
BMC40724I  DATA SHARING MEMBERID IS memberID

Explanation: This message displays the member ID of a DB2 subsystem in a data sharing group. It is displayed with other messages describing one or more log ranges or files and describes the DB2 subsystem for which the log ranges were recorded.

User response: No action is required.

BMC40725I  PROCESSING LOG RANGE:

Explanation: This message introduces a log range that is about to be read from a log data set.

User response: No action is required.

BMC40726S  UNABLE TO CONTINUE phase--PROCESSING CONTINUES WITHOUT THIS OBJECT

Explanation: A merge phase or a snap phase had a failure that cannot be resolved by the utility's error recovery. Continued processing is attempted for other objects.

User response: If failure was due to a fallback from a copy failure and the copy is unavailable, restart the job. The restart causes additional log records, which are needed to complete the recovery, to be located and sorted. You can remove statements from this restart for activities that are completed.

If this message results from failure in an input change accumulation file, restart the job specifying USEACCUM NO in an OPTIONS statement or restart the job after deleting the change accumulation file from the repository using the R+/CHANGE ACCUM ISPF interface.

If this message follows the message BMC40525E UNABLE TO RPOCEED THROUGH POINT IN TIME RECOVERY CREATED BY DSNUTILB, you must use DSNUTILB to recovery the object.

BMC40727I  DISCRETE LOG RANGE(S):

Explanation: This messages displays the actual range of LRSNs required to process the space.

User response: No action is required.

BMC40728I  PHASE REQUIRES n TAPE DRIVES

Explanation: A phase requires more drives than the number specified by the MAXDRIVES option.

User response: You may increase the value of MAXDRIVES.

BMC40729S  DROP RECOVERY WAS UNABLE TO DETERMINE ENDING LOG POINT

Explanation: The DROPRECOVERY keyword was coded for a table space and TORBA/TOLOGPOINT was not specified or the log point specified in
SIMULATE YES LOGPOINT 'logPoint' was incorrect (too low). An attempt to obtain the stopping point for processing the log failed.

User response: If you are using a pack dump as the basis for the drop recovery, be sure it was restored successfully. If you are using LOGAPPLY ONLY, check your FROMRBA. You can use LOGONLY and let the program obtain the starting LRSN from the pack dump. If you are using an INCOPY data set or data sets, be sure the LRSN specified for the last copy is accurate. If you are using the SIMULATE option, check the log point specified on the OPTION command.

BMC40730E  DROP RECOVERY--INVALID LOG POINT SPECIFIED

Explanation: The DROPRECOVERY keyword was specified for the table space shown in subsequent messages. The TORBA/TOLOGPOINT was also specified and appears to be after the create for the new structure.

User response: Check the TORBA/TOLOGPOINT. If you want the data back as of the DROP TABLESPACE, try removing the TORBA/TOLOGPOINT. The utility attempts to find the appropriate end point for log processing.

BMC40731E  DROP RECOVERY--INVALID FROMRBA OR INCOPY LOG POINT SPECIFIED

Explanation: The DROPRECOVERY keyword was specified for the table space shown in subsequent messages. The begin point for log processing conflicts with what appears to be the create for the new table space structure.

User response: If you coded INCOPY statements, check the LRSN of the last copy in the list. If you are recovering from a pack dump and using LOGONLY, be sure the restore ran properly and was for a version of the data set before create. If you are using LOGAPPLY ONLY, check your FROMRBA. Correct the problem and resubmit the job.

BMC40732I  KEYS UNLOADED FROM PARTITION n OF totalParts

Explanation: For a nonpartitioned index, this message indicates the partition number for UNLOADKEYS.

User response: None. This message is for information only.

BMC40733S  INVALID INPUT TAPE VOLUME SERIAL OVERLAP RELATIONSHIP

Explanation: A severe internal error has occurred in evaluating volume overlap of data sets.

User response: Contact BMC Customer Support.

BMC40734I  PAGE SIZE = size SEGSIZE = segSize DSSIZE = dsSize

Explanation: The page size, SEGSIZE, and DSSIZE of the index space is described in the object summary.

User response: No action is required.
**BMC40735I**  **PHASE TERMINATION:**

*Explanation:* This message introduces the list of actions taken to terminate a utility phase. It is shown as part of the plan summary presented with ANALYZE YES or ONLY. During termination buffers are deallocated, any necessary sort communication is performed, and data sets are deallocated and closed. Checkpoint processing may also be done.

*User response:* No action is required. This message is presented to show the processing that will occur for the phase.

**BMC40736I**  **STEP INITIALIZATION:**

*Explanation:* This message introduces the list of actions taken to initialize for a utility step. It is shown as part of the plan summary presented with ANALYZE YES or ONLY.

*User response:* No action is required. This message is presented to show the processing that will occur for the step.

**BMC40737I**  **STEP TERMINATION:**

*Explanation:* This message introduces the list of actions taken to terminate for a utility step. It is shown as part of the plan summary presented with ANALYZE YES or ONLY.

*User response:* No action is required. This message is presented to show the processing that will occur for the step.

**BMC40738I**  **text**

*Explanation:* This text explains an action that is part of the utility plan.

*User response:* No action is required.

**BMC40739W**  **WILDCARD wildcardString MATCHES CATALOG OR DIRECTORY SPACE databaseName$tableSpaceName, IGNORED**

*Explanation:* The wildcard string shown appeared on a statement that does not support the DB2 catalog and directory. While the string qualified the table space shown, it will not be processed.

*User response:* No action is required.

**BMC40740W**  **TABLESPACE databaseName$tableSpaceName IN GROUP groupName DOES NOT EXIST, IGNORED**

*Explanation:* Change accumulation is occurring for groupName. The group contains the specific definition of the table space shown, which does not exist. Processing continues.

*User response:* If you defined the group with an improper table space name, correct the definition through the R+/CHANGE ACCUM interface. If you want to keep this table space name in the group until it is defined, you may do so.
**BMC40741I**  
**STEP PROCESSING:**

*Explanation:* This message introduces the processing of a step in the plan.

*User response:* No action is required. This is presented to show the processing that will take place for the step.

**BMC40742E**  
**TARGET DBID X'\text{dbid}' DOES NOT MATCH DBID FOR SPACE \text{tableSpaceName}**

*Explanation:* The DROPRECOVERY keyword was used on a RECOVER statement with the OBIDXLAT option. The target DBID does not match the current catalog.

*User response:* Because you are using the DROPRECOVERY keyword, the utility assumes you are using translation to get to the current IDs. Check the translation value. The value shown here is in hexadecimal. The value can be coded in decimal or hexadecimal—just be sure you obtained the proper value. Correct the value and resubmit the job.

**BMC40743S**  
**PLANNER IS UNABLE TO SCHEDULE A PHASE**

*Explanation:* This message may appear with a previous message that indicates a constraint was exceeded. For example, message BMC40728 may appear indicating that the value of MAXDRIVES was exceeded.

This message may appear if you coded output copies that are stacked and have change accumulation files being created and there is a conflict in ordering. If you are creating both output copies and change accumulation files, output image copies must be stacked in the following order.

- Table space copies must be ordered by dbname, space name, and DSNUM.

- Index copies for each table space must follow the copy or copies for the related table space as follows:
  - First, copies of partitioned indexes must be in order by dbname, space name, and DSNUM.
  - Then, copies of nonpartitioned indexes follow in the same order.

If this message appears without a previous severe error that indicates a constraint was exceeded and you cannot find a conflict in output file creation, then the program has an internal error.

*User response:* If a constraint message appears, increase the constraint. For example, specify a value for MAXDRIVES that is at least the value specified in message BMC40728. If no constraint message appears, contact BMC Customer Support.

**BMC40745E**  
**GDG BASE \text{dataSetName base, local/remote primary/backup} DATASET \#n FOR GROUP \text{groupName}, DOES NOT EXIST**

*Explanation:* A data set needs to be created (for example, a change accumulation output file) that is defined as a generation data group (GDG). It is the \text{n}th data set for the group shown and is either local or remote and either
primary or backup as shown. The GDG base does not exist. Either the option
was selected to not create GDGs when you were creating the group or the GDG
base was deleted.

User response: Run IDCAMS to create the GDG base needed and resubmit the
job.

BMC40746E  GDG BASE dataSetName base, local/remote primary/backup DATASET #n
FOR GROUP groupName, IS IN USE

Explanation: A data set needs to be created (for example, a change
accumulation output file) that is defined as a generation data group (GDG). It is
the nth data set for the group shown and is either local or remote and either
primary or backup as shown. The GDG base is being used by another utility.

User response: Do not use the same GDG base for data sets that are created in
jobs that run concurrently.

BMC40747E  DSN dataSetName base, local/remote primary/backup DATASET #n FOR
GROUP groupName, EXISTS

Explanation: A data set needs to be created (for example, a change
accumulation output file) that is defined with a model data set name. It is the
nth data set for the group shown and is either local or remote and either
primary or backup as shown. The data set name generated from the model
already exists in the MVS catalog.

User response: Specify a model data set name that yields a unique name or
delete the duplicate.

BMC40748I  RESTARTING UTILID utilityID, CHANGE ACCUMULATION FILES WILL BE RE-
GENERATED

Explanation: The utility is being restarted. The run included change
accumulation output files. Even if these files were created and registered in the
R+/CHANGE ACCUM repository, new files (possibly including new updates)
are created in this run.

User response: No action is required. If you do not want to create change
accumulation files on restart, you can remove ACCUM commands from the
run.

BMC40749E  DATASET NAME GENERATED FROM MODEL model IS TOO LONG

Explanation: The model data set name shown was being used to generate a
data set name for an output file. The generated name is too long.

User response: Correct the model data set name and resubmit the job.

BMC40750E  CHANGE ACCUMULATION, otherOptions: ILLEGAL COMBINATION

Explanation: Change accumulation and other options were requested for the
object shown in subsequent messages. This combination is not allowed.

User response: Put the change accumulation request and the other request (for
example, OUTCOPY ONLY and PARTIAL RECOVERY) in another step. If you
are doing DROPRECOVERY, change accumulation is not allowed. You must create a new copy in this run or another run as the basis for change accumulation.

**BMC40751E**

**DSN dataSetName or gdgBase, DUPLICATE NAME FOR local/remote primary/backup DATASET #n IN GROUP groupName**

*Explanation:* A data set needs to be created (for example, a change accumulation output file) that is defined so it is a duplicate of the GDG base or name generated for another output file in this run. It is the *n*th data set for the group shown and is either local or remote and either primary or backup as shown.

*User response:* Check for other BMC40751 messages and resolve conflict among data set names.

**BMC40752E**

**OUTCOPY ONLY, INDEP OUTSPACE ON OBJECT objectName DSNUM n: ILLEGAL COMBINATION**

*Explanation:* The table space or index shown had requests for OUTCOPY ONLY and INDEP OUTSPACE. This combination is not allowed.

*User response:* You can make an unregistered copy with INDEP OUTSPACE by specifying OUTCOPY YES REGISTER NONE.

**BMC40753E**

**INCOMPLETE GROUP SPECIFICATION: NO FILE DEF EXISTS FOR GROUP groupName**

*Explanation:* Change accumulation was requested for groupName. No file definition exists for the group. The file definitions are necessary to determine the selection for the group.

*User response:* Create the file definitions for the group through the R+/CHANGE ACCUM interface. Resubmit the job.

**BMC40754E**

**INCOMPLETE GROUP SPECIFICATION: NO FILE TEMPLATE EXISTS FOR GROUP groupName**

*Explanation:* Change accumulation was requested for groupName. No file template exists for the group. The file templates are needed to obtain the characteristics for the files generated.

*User response:* Create the file templates through the R+/CHANGE ACCUM interface. Resubmit the job.

**BMC40755I**

**ANALYSIS PLAN SUMMARY:**

*Explanation:* This message introduces a summary of the plan to execute the utility. The user requested ANALYZE ONLY or ANALYZE SCANONLY. An execution plan summary will follow when ANALYZE SCANONLY is specified.

*User response:* No action is required.
BMC40756I  DSNUM dsNum NOT FOUND ON COPY
Explanation: A full copy containing all data sets for a space did not show the data set number that was to be recovered. An internal error may have occurred.
User response: Contact BMC Customer Support.

BMC40757E  SOURCE DBID WAS CODED AS X’dbid’ BUT WAS FOUND TO BE X’actualDbid’
Explanation: OBIDXLAT was specified and is being processed in the merge for a space. The DBID on the header page does not match the source DBID specified.
User response: Correct the translation information and resubmit the job.

BMC40758E  SOURCE PSID WAS CODED AS X’psid’ BUT WAS FOUND TO BE X’actualPsid’
Explanation: OBIDXLAT was specified and is being processed in the merge for a space. The PSID on the header page does not match the source PSID specified.
User response: Correct the translation information and resubmit the job.

BMC40759E  OBID X’obid’ FOUND IN SEGMENT ENTRY AT X’offset’ IN SPACE MAP PAGE X ’pageNum’
Explanation: The OBID shown was found in a segment entry. A subsequent message indicates an action on the situation.
User response: See subsequent message.

BMC40760I  WILL NOT BE TRANSLATED
Explanation: See information about OBID in previous message.
User response: Determine whether the OBID shown should be translated. If you made an error in the translation, you may need to redo the run.

BMC40761W  IS NOT BEING TRANSLATED AND IS THE SAME AS A TARGET OBID
Explanation: See information about OBID in previous message. The OBID is not being translated but matches the target OBID of a translation. If this run uses DROPRECOVERY, the run is assumed to be incorrect.
User response: If this run does not use DROPRECOVERY, the run continues with a warning. Determine whether the OBID shown should be translated. If you made an error in the translation, you may need to redo the run.

BMC40762I  OBID X’obid’ FOUND IN ROW AT OFFSET X’offset’ IN DATA PAGE X’pageNum’
Explanation: The OBID was found in the page and row location shown. A subsequent message indicates an action on the situation.
User response: See subsequent message.
**BMC40763I**  INDEX OBID X’obid’ FOUND AT OFFSET X’2C’ IN HEADER WILL NOT BE TRANSLATED

*Explanation:* The index OBID was found in the index header page. Its value was not found in the OBIDXLAT OBID list input.

When you use RECOVER TABLESPACE and the REBUILD INDEX for the indexes, you must specify the additional (x,y) clause for the indexes on the RECOVER TABLESPACE statement. If you do not specify this extra OBID clause, the job issues this message.

In this case, the OBID(x,y) clauses are not optional. You must specify them.

*User response:* Determine whether the OBID shown should be translated. If you made an error in the translation, you may need to rerun the job.

If you have specified a RECOVER TABLESPACE statement with REBUILD INDEX statements, you need code the OBID list for the indexes on the RECOVER TABLESPACE statement.

---

**BMC40764I**  TABLE OBID X’obid’ FOUND AT OFFSET X’3A’ IN HEADER WILL NOT BE TRANSLATED

*Explanation:* The table OBID was found in the table space or index header page. Its value was not found in the OBIDXLAT OBID list input.

When you use RECOVER INDEXSPACE with OBIDXLAT for indexes, you must also specify the table ID that is associated with the index as an additional OBID(x,y) clause, where x is the ID of the source table and y is the ID of the target table. If you do not specify this extra OBID clause, the job issues this message.

You may, however, omit both OBID(x,y) clauses. If you omit both clauses, appropriate default values are supplied.

*User response:* Determine whether the OBID shown should be translated. If you made an error in the translation, you may need to rerun the job.

---

**BMC40765I**  INDEX OBID X’obid’ FOUND AT OFFSET X’14’ IN INDEX DATA PAGE WILL NOT BE TRANSLATED

*Explanation:* The index OBID was found in the index data page. Its value was not found in the OBIDXLAT OBID list input.

*User response:* Determine whether the OBID shown should be translated. If you made an error in the translation, you may need to rerun the job.

---

**BMC40766S**  VALUES X’obid1’ X’rid1’ X’keyValue1’

*Explanation:* See message BMC40767.

*User response:* No action is required.
BMC40767S  AND X'obid2 X'rid2 X'keyValue2 ARE UNSEQUENCED

Explanation: An internal error has occurred in sorting or processing the key values.

User response: Contact BMC Customer Support. Keep the SYSERR dump for analysis by BMC personnel.

BMC40768I  SKEY READ WAITS = n, SKEY READ WAIT TIME = time

Explanation: This message presents performance statistics for an unload keys build step.

User response: No action is required.

BMC40769I  SKEY WRITE WAITS = n, SKEY WRITE WAIT TIME = time

Explanation: This message presents performance statistics for a write keys step for unload keys processing.

User response: No action is required.

BMC40770I  BUILD STATISTICS: # INPUT RECORDS = input # KEY VALUES = numKeyVal

Explanation: Each index build process produces these statistics. The number of input records reflects the total number of key values or work data set records passed to the index build process. numKeyVal is the number of key values passed.

User response: No action is required.

BMC40771I  # WAITS FOR SORT = sortwaits

Explanation: This message provides performance statistics for an index build.

User response: No action is required.

BMC40772I  # GETPAGE CALLS = getCalls # PAGES WRITTEN = pagesWritten # LEAF PAGES = leafPages

Explanation: This message provides performance statistics for an index build.

User response: No action is required.

BMC40773S  KEY VALUE keyValue

Explanation: See message BMC40774.

User response: No action is required.

BMC40774S  IS DUPLICATED FOR UNIQUE INDEX creator.ixname. RIDS ARE rid1 AND rid2

Explanation: Duplicate key values for a unique index were encountered while recovering an index. rid1 and rid2 are the row ids in the corresponding table.
space of the rows with duplicate keys. This message is generated for each duplicate key. The total number of duplicates found is printed in BMC40111.

**User response:** You can remove the duplicate keys from the table space by using the IBM REPAIR utility. Then, RECOVER PLUS can be run again to recover the index.

**BMC40775W**

**THERE ARE NO KEY VALUES FOR (PART n OF) INDEX creator.ixname**

**Explanation:** An index rebuild was requested for the index shown. However, there were no key values for the index (or for this index partition, if it is a partitioned index).

**User response:** If the index could be empty, no further action is required. If you believe the index should not be empty, determine whether the table space was also recovered, then contact BMC Customer Support.

**BMC40776I**

**PAGE SIZE = pageSize DSIZE = dataSetSize**

**Explanation:** The page size of the space is displayed in the Object Summary. If object is a table space defined with the DSIZE attribute, the data set size is also displayed.

**User response:** No action is required.

**BMC40777I**

**TO CURRENT**

**Explanation:** The index and its related table space were recovered to different log points because the copy was made with SHRLEVEL CHANGE. This message indicates that the index was recovered to the current point in time.

**User response:** No action is required.

**BMC40778S**

**FOUND PAGE FLAGS X'flags' INDICATING DIRECTORY PAGE AT PAGE NUMBER X'pageNum'**

**Explanation:** The system was accessing or recovering a space. The system found inappropriate page flags or an erroneous page number.

**User response:** If you are in an UNLOAD step (see the previous message in the output) and the space was not recovered, check the space or recover it. If the space was recovered by RECOVER PLUS, contact BMC Customer Support. If you are in a restore or merge step, check the copy or copies being used.

**BMC40779I**

**EXPECTING DIRECTORY PAGE**

**Explanation:** The system was accessing or recovering a space. A directory page was expected, but another type of page was encountered. See the preceding message for more information.

**User response:** If you are in an UNLOAD step (see the previous message in the output) and the space was not recovered, check the space or recover it. If the space was recovered by RECOVER PLUS, contact BMC Customer Support. If you are in a restore or merge step, check the copy or copies being used.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message Description</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC40780S</td>
<td>UNEXPECTED BUFFER STATE IN routine, STATE = number, CODE = number</td>
<td>A problem was found in buffer management.</td>
<td>Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC40781S</td>
<td>UNEXPECTED PAGE TYPE IN EXKEYS, TYPE = 'type' PAGE = 'pageNum'</td>
<td>An internal error has occurred.</td>
<td>Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC40782S</td>
<td>SHORT BLOCK ENCOUNTERED ON KEY WORK DATASET, BLOCK LENGTH = n</td>
<td>An internal error has occurred.</td>
<td>Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC40783S</td>
<td>UNEXPECTED EOF ENCOUNTERED</td>
<td>A RECOVER BUILDINDEX with unloadkeys encountered an end of file in the middle of a record.</td>
<td>Check the RECOVER UNLOADKEYS output to see if the keys were unloaded properly.</td>
</tr>
<tr>
<td>BMC40784I</td>
<td>UNABLE TO CONTINUE, NO PHASES REMAIN IN PLAN AFTER Fallback</td>
<td>The utility was in error recovery and attempted to continue working. However, no work was found after eliminating phases that could not be successfully performed.</td>
<td>See previous messages. Take action on the problems that caused the error. If this message was preceded by messages describing fallback from an unusable image copy, you must resubmit the job with the RESTART parameter to allow fallback processing to complete. If fallback processing is not desired, you may correct the problem and rerun the job with the NEW parameter.</td>
</tr>
<tr>
<td>BMC40785E</td>
<td>OUTPUT DATA SET dataSetName IN JCL REFERENCES A TAPE VOLUME WHICH ALSO CONTAINS INPUT DATA SETS</td>
<td>Data set dataSetName is an output data set that will be written to tape. A DD has been provided in the JCL for this data set and the DD contains a VOL=REF parameter that names another DD that specifies an input data set, or this DD is referenced by a VOL=REF parameter on another DD for an input data set. This situation is most likely to occur when a previous RECOVER PLUS job containing OUTCOPY parameters completed some recoveries (and registered the output copies) but then failed. If the job is RESTARTed without changes to</td>
<td></td>
</tr>
</tbody>
</table>
the JCL, RECOVER PLUS may try to use the copies created in the previous job as input image copies.

*User response:* RECOVER PLUS does not allow a mixture of input and output image copies to be stacked on the same set of tape volumes. Remove the DDs for the output copies that were completed in the previous job.

**BMC40786W**  
*TABLE OBID 'obid' FOUND AT OFFSET 'offset' IN INDEX DIRECTORY PAGE WILL NOT BE TRANSLATED*

*Explanation:* The table OBID 'obid' was found at 'offset' in the index directory page. Its value was not found in the OBIDXLAT OBID list input.

*User response:* Determine whether the OBID shown should be translated. If you made an error in the translation, you may need to rerun the job.

**BMC40787W**  
*INDEX OBID 'obid' FOUND AT OFFSET 'offset' IN INDEXDIRECTORY PAGE WILL NOT BE TRANSLATED*

*Explanation:* The index OBID 'obid' was found at 'offset' in the index directory page. Its value was not found in the OBIDXLAT OBID list input.

*User response:* Determine whether the OBID shown should be translated. If you made an error in the translation, you may need to rerun the job.

**BMC40788I**  
*MBR ID=mbrID CRCR ID=crcrID USE CT=useCt ACTIVE= {YES | NO} SUCCESSFUL= {YES | NO} COLD START= {YES | NO} FWD= {YES | NO} BACKOUT= {YES | NO}*

*Explanation:* This is a diagnostic message associated with a BMC40571S error.

*User response:* No action is required. BMC Customer Support may ask for AFRPRINT output for problem diagnosis.

**BMC40789I**  
*MBR ID=mbrID MBR NAME=mbrName QUIESCE LRSN=quiesceLrsn*

*Explanation:* This is a diagnostic message associated with a BMC40571S error.

*User response:* No action is required. BMC Customer Support may ask for AFRPRINT output for problem diagnosis.

**BMC40790I**  
*NUMBER OF PAGES READ FROM FULL COPY TOTAL = fullPages, USED = usedPages*

*Explanation:* This message shows statistics from a merge phase.

*User response:* No action is required.

**BMC40790E**  
*NUMBER OF PAGES READ FROM FULL COPY TOTAL = fullPages, USED = usedPages*

*Explanation:* This message accompanies BMC96002.

*User response:* See the user response for BMC96002.
<table>
<thead>
<tr>
<th>Code</th>
<th>Message Description</th>
<th>Explanation</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC40791I</td>
<td>NUMBER OF PAGES READ FROM INCREMENTAL COPY TOTAL = totalPages, USED = usedPages</td>
<td>This message shows statistics from a merge phase. See also message BMC40798.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC40792I</td>
<td>LOG RECORDS THIS PAGESET: FROM SORT = numberSorted (number(K</td>
<td>M</td>
<td>G</td>
</tr>
<tr>
<td>BMC40793I</td>
<td>EXTRACTING KEYS FOR:</td>
<td>This message shows the indexes for which keys are extracted during a merge for a table space or table space partition. A previous message shows the table space or partition.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC40794I</td>
<td>FULL COPY dataSetName IS copyType COPY STYPE type</td>
<td>This message shows the data set name of either an inline copy or an Instant Snapshot copy for restore. The STYPE identifies the process that was used to generate the copy:</td>
<td>No action is required.</td>
</tr>
<tr>
<td></td>
<td>■ R--LOAD REPLACE LOG(YES)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>■ S--LOAD REPLACE LOG(NO)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>■ X--REORG LOG(YES)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>■ W--REORG LOG(NO)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>■ V--Instant Snapshot</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMC40795I</td>
<td>FULL COPY DATASET IS dataSetName</td>
<td>This message shows the data set name for the input copy for a merge or snap phase, or the data set name for an input copy for restore.</td>
<td>No action is required.</td>
</tr>
</tbody>
</table>
BMC40796I  INCREMENTAL COPY DATASET IS dataSetName

Explanation:  This message shows the data set name for the input copy for a merge step, or the data set name for an input copy for restore.

User response:  No action is required.

BMC40797I  OUTPUT COPY DATASET IS dataSetName

Explanation:  This message shows the data set name for the output copy for a merge step.

User response:  No action is required.

BMC40798I  NUMBER OF PAGES OUTPUT IS = number

Explanation:  This message shows the number of pages output to the space data set during a merge.

User response:  No action is required.

BMC40799I  phase STARTING FOR DATA SET dataSetName

Explanation:  This message shows the data set name of the space data set for which merge, restore, or snap phase processing is starting.

User response:  No action is required.

Messages BMC40800 through BMC40899

For the RECOVER PLUS for DB2 product, this topic explains each message in the designated range.

BMC40800S  INTERNAL ERROR IN FMTPG01, PAGENUM = number

Explanation:  An internal error has occurred.

User response:  Contact BMC Customer Support.

BMC40801I  SORT PERFORMANCE COULD BE DEGRADED DUE TO MAINSIZE/RESINV BEING SPECIFIED

Explanation:  This message is an informational message and is produced when a value is specified for the RESINV or SMCORE parameters on either the OPTIONS statement or in the AFR$OPTS options module.

User response:  No action is required.

BMC40802E  THE SORT CONTROL STATEMENT SPECIFIED IS TOO LONG (n CHARACTERS). THE MAXIMUM LENGTH IS 240.

Explanation:  This message is an internal check. This error message should never occur, but it will prevent the E15 routine from abending if this occurs.

User response:  Contact BMC Customer Support.
**BMC40803I**  
**SORT FILE SIZE ESTIMATE COULD NOT BE DETERMINED FOR INDEX RECOVERY**  
*Explanation:* This message is produced whenever a non-zero return code is passed back from a sort routine. This message should be preceded by message BMC40289, which indicates problems with the data set for the space.  
*User response:* See BMC40289.

**BMC40804I**  
**DSNUM = n (DSNUM ALL REQUEST)**  
*Explanation:* A request was made to recover all data sets of a nonpartitioned table space or index, but RECOVER PLUS detected that image copies were made by data set, so the request is treated as though RECOVER DSNUM n were requested for each data set.  
*User response:* If all data sets for the index or table space were copied together and registered by individual data set, no action is required. If only some of the data sets were copied together, this job is likely to end with an error during the merge phase. In that case, submit a job with individual requests to recover each data set involved, as follows:

<table>
<thead>
<tr>
<th>Recover Command</th>
<th>Table Space or Index Name</th>
<th>DSNUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECOVER</td>
<td>TABLESPACE dbname.tsname</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>TABLESPACE dataSetName.tsname</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>TABLESPACE dataSetName.tsname</td>
<td>3</td>
</tr>
</tbody>
</table>

or

<table>
<thead>
<tr>
<th>Recover Command</th>
<th>Table Space or Index Name</th>
<th>DSNUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECOVER</td>
<td>INDEX creator.ixname</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>INDEX creator.ixname</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>INDEX creator.ixname</td>
<td>3</td>
</tr>
</tbody>
</table>

**BMC40806I**  
**LENGTH OF RECORDS = length**  
*Explanation:* This message provides the record length for records being written to a key work data set or directly to a sort. Accompanying messages in the plan summary identify the data set or sort.  
*User response:* No action is required.

**BMC40807I**  
**FAILURE IN SORT TASK, RETURN CODE FROM SORT = returnCode**  
*Explanation:* The utility encountered a sort failure with the return code shown.  
*User response:* Refer to the messages produced by your sort routine. If these messages do not help you in debugging the problem, contact BMC Customer Support. Information concerning the sort package being used and its installation options are of interest.

**BMC40808S**  
**INTERNAL ERROR, UNEXPECTED POST**  
*Explanation:* An internal error has occurred.  
*User response:* Contact BMC Customer Support.
BMC40809S  UNEXPECTED EOF IN MIDDLE OF nK PAGE, PAGE NUMBER = X'pagenum'
Explanation:  An internal error has occurred.
User response:  Contact BMC Customer Support.

BMC40810S  FAILURE IN LOG SORT E35 EXIT, RC = returnCode
Explanation:  An internal error has occurred.
User response:  Contact BMC Customer Support.

BMC40811I  NOW PROCESSING DATA SET dataSetName
Explanation:  The utility has moved to a different data set in a multi-data-set, nonpartitioned object.
User response:  No action is required.

BMC40812I  POTENTIAL OUTPUT DATA SET dataSetName
Explanation:  The data set dataSetName may be involved as a target for a recovery operation.
User response:  No action is required.

BMC40813I  ESTIMATED NUMBER OF RECORDS = n
Explanation:  This message indicates the estimated number of records used for the sort’s estimated file size.
User response:  No action is required.

BMC40814I  ESTIMATED RECORD SIZE = recordSize
Explanation:  This message indicates the estimated record size used for the sort’s estimated file size.
User response:  No action is required.

BMC40815I  ABSOLUTE NUMBER OF RECORDS = n
Explanation:  This message indicates the number of records used for the sort’s absolute file size.
User response:  No action is required.

BMC40816S  INVALID PAGE X'pageNum' REASON: reason
Explanation:  During logical index processing a page was read from the index and was invalid for the reason shown.
User response:  Contact BMC Customer Support.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC40817S</td>
<td><strong>INDEX MAINTENANCE CANNOT BE PERFORMED BECAUSE THE INDEX IS EMPTY</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Explanation:</strong> It is not possible to do a logical recovery of an empty index.</td>
</tr>
<tr>
<td></td>
<td><strong>User response:</strong> Remove the PART specification from the REBUILD INDEX statement and resubmit the RECOVER PLUS run to perform a full recovery of the index.</td>
</tr>
<tr>
<td>BMC40818I</td>
<td><strong>component STATISTICS: statisticType = count</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Explanation:</strong> The component identified is giving statistics as shown. This message is used to print statistics relating to logical index partition recovery as follows:</td>
</tr>
<tr>
<td></td>
<td>- <strong>PAGE READS</strong> - The number of media manager getpage requests against the index data set.</td>
</tr>
<tr>
<td></td>
<td>- <strong>KEY INSERTS</strong> - The number of new key values inserted into the index.</td>
</tr>
<tr>
<td></td>
<td>- <strong>RID INSERTS</strong> - The number of ROW ID values inserted into the index.</td>
</tr>
<tr>
<td></td>
<td>- <strong>RID UPDATES</strong> - The number of existing RID values updated because a row has been relocated. RID updates occur only for unique index key entries.</td>
</tr>
<tr>
<td></td>
<td>- <strong>ROOT SPLITS</strong> - The number of times a new index level was created.</td>
</tr>
<tr>
<td></td>
<td>- <strong>NON-LEAF SPLITS</strong> - The number of times non-leaf pages were split. When a non-leaf page is full, half of its entries are moved to a new page and half are left behind. The lower half of the entries are the ones moved to the new page.</td>
</tr>
<tr>
<td></td>
<td>- <strong>LEAF SPLITS</strong> - This count represents the same sort of splits as those described above, except this is for leaf pages.</td>
</tr>
<tr>
<td></td>
<td>- <strong>PAGE FREES</strong> - The number of pages freed from use by RECOVER PLUS.</td>
</tr>
<tr>
<td></td>
<td>- <strong>NEW PAGES</strong> - The number of times RECOVER PLUS acquired new pages for use. RECOVER PLUS will try to use free pages from the current space map, but will cause a new space map to be allocated if no free pages are available.</td>
</tr>
<tr>
<td></td>
<td>- <strong>NON-LEAF DELETES</strong> - The number of times RECOVER PLUS deleted entries from non-leaf index pages.</td>
</tr>
<tr>
<td></td>
<td>- <strong>ROOT JOINS</strong> - The number of times an index level was eliminated.</td>
</tr>
<tr>
<td></td>
<td><strong>User response:</strong> No action is required.</td>
</tr>
</tbody>
</table>
**BMC40820I**  
**TABLESPACE RECOVERY SIMULATION**  
*Explanation:* The utility is summarizing action on a table space. SIMULATION displays only in simulation mode.  
*User response:* No action is required.

**BMC40821I**  
**TO LOGPOINT 'logPoint' {(BACKOUT) | (BACKOUT CONVERTED TO FORWARD)}**  
*Explanation:* The utility is summarizing action on a table space or index.  
*User response:* No action is required.

**BMC40822I**  
**TOCOPY copy dataSetName**  
*Explanation:* The utility is summarizing action on a table space or index.  
*User response:* No action is required.

**BMC40823I**  
**COLLECTING INDEX KEYS**  
*Explanation:* The utility is summarizing action on a table space.  
*User response:* No action is required.

**BMC40824I**  
**UNLOADKEYS DSN = dataSetName**  
*Explanation:* The utility is summarizing action on a table space. Keys that are unloaded go to the data set shown.  
*User response:* No action is required.

**BMC40825I**  
**OUTCOPY ONLY**  
*Explanation:* The utility is summarizing action on a table space or index.  
*User response:* No action is required.

**BMC40826I**  
**INDEPENDENT OUTSPACE = dataSetName**  
*Explanation:* The utility is summarizing action on a space. The data set name shown was generated from your input model or the default model.  
*User response:* No action is required.

**BMC40827I**  
**LOG RESOURCE RANGE:**  
*Explanation:* The utility is summarizing action on a space. This message introduces the log range that is considered for the space.  
*User response:* No action is required.

**BMC40828I**  
**CHANGE ACCUMULATION TO GROUP groupName**  
*Explanation:* The utility is summarizing action on a space. This message shows that the change accumulation group shown is receiving log extracts for this space.  
*User response:* No action is required.
**OUTPUT COPIES:**

*Explanation:* The utility is summarizing action on a space. This message introduces a list of output copies being produced.

*User response:* No action is required.

**ON TABLE creator.tableName (OBID X'hexValue') IN TABLESPACE databaseName.tableSpaceName**

*Explanation:* The utility is summarizing action on a space. This message gives further information about the space.

*User response:* No action is required.

**CLUSTERING INDEX**

*Explanation:* The utility is summarizing action on an index space. This message gives further information about the index.

*User response:* No action is required.

**NON-CLUSTERING INDEX**

*Explanation:* The utility is summarizing action on an index space. This message gives further information about the index.

*User response:* No action is required.

**UNIQUE INDEX**

*Explanation:* The utility is summarizing action on an index space. This message gives further information about the index.

*User response:* No action is required.

**NON-UNIQUE INDEX**

*Explanation:* The utility is summarizing action on an index space. This message gives further information about the index.

*User response:* No action is required.

**PCTFREE = integer  FREEPAGE = integer  KEY LENGTH = integer**

*Explanation:* This message provides information about the index space. The percent free, the number of free pages, and the key length are indicated.

*User response:* No action is required.

**TABLE CARDINALITY = numberOfRows**

*Explanation:* The utility is summarizing action on an index space. This message gives further information about the index.

*User response:* No action is required.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Text</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC40837I</td>
<td><strong>LOGICAL PARTITION RECOVERY</strong></td>
<td>The utility is summarizing action on an index space.</td>
<td>No action is required.</td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The utility is summarizing action on an index space.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> No action is required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>INDEPENDENT INTABLESPACE = dataSetName</strong></td>
<td>The utility is summarizing action on an index space. Index recovery is from data in the data set shown.</td>
<td>No action is required.</td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The utility is summarizing action on an index space. Index recovery is from data in the data set shown.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> No action is required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>PIT RBA/LRSN = X'logPoint' [(BACKOUT)]</strong></td>
<td>The utility is summarizing information about a point-in-time recovery of a space. This message is preceded by message BMC40640. If the point-in-time recovery reported here used the BACKOUT strategy, that is indicated in this message.</td>
<td>No action is required.</td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The utility is summarizing information about a point-in-time recovery of a space. This message is preceded by message BMC40640. If the point-in-time recovery reported here used the BACKOUT strategy, that is indicated in this message.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> No action is required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>INPUT COPY / SYSCOPY DATA:</strong></td>
<td>The utility is summarizing action on a space. Input copy and other information registered in SYSCOPY (for table spaces and COPY YES indexes) or BMCXCOPY (for COPY NO indexes) that is relevant to this process is shown below.</td>
<td>No action is required.</td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The utility is summarizing action on a space. Input copy and other information registered in SYSCOPY (for table spaces and COPY YES indexes) or BMCXCOPY (for COPY NO indexes) that is relevant to this process is shown below.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> No action is required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>UNLOADKEYS ONLY SORTED KEYS</strong></td>
<td>The utility is summarizing action on an index space. The index space in question is only having keys unloaded in this run.</td>
<td>No action is required.</td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The utility is summarizing action on an index space. The index space in question is only having keys unloaded in this run.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> No action is required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>BUILDINDEX ONLY KEYS PRESORTED</strong></td>
<td>The utility is summarizing action on an index space. The index space in question is being built from key files unloaded in previous runs.</td>
<td>No action is required.</td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The utility is summarizing action on an index space. The index space in question is being built from key files unloaded in previous runs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> No action is required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>INDEX RECOVERY</strong></td>
<td>The utility is summarizing action on an index space. The index space in question is being recovered.</td>
<td>No action is required.</td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The utility is summarizing action on an index space. The index space in question is being recovered.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> No action is required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TYPE integer</strong></td>
<td>This message displays the index type of an index.</td>
<td>No action is required.</td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> This message displays the index type of an index.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> No action is required.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**BMC40845S**

**PLAN IS NOT COMPATIBLE WITH THIS VERSION OF DB2 - RUN BIND AND ICOPY**

*Explanation:* You have upgraded to a new version of DB2 but the RECOVER PLUS plan has not been rebound.

*User response:* Rebind the RECOVER PLUS plan. This can be done by running the installation job $I40INST or $AFRssidB followed by job $I55ICPY.

**BMC40846I**

**COPY YES COPYLRSN = X'logPoint'**

*Explanation:* This message identifies an index as one created or altered with the COPY YES attribute. The COPYLRSN is the log point at which the CREATE or ALTER was done.

*User response:* No action is required.

**BMC40847W**

**TABLE SPACE SET TO REORP BECAUSE A REORG OR LOAD WAS ENCOUNTERED WITH STYPE=A**

*Explanation:* A SYSCOPY entry with an STYPE = A indicates that the rows of a partitioned table space have been redistributed after the partitioning key had been altered. If a partial recovery has been performed before the point of the STYPE=A event, the keys must be redistributed, so the table space is placed in REORP status.

*User response:* Reorganize the table space to redistribute the keys.

**BMC40848E**

**A DSSIZE GREATER THAN 64G IS NOT SUPPORTED**

*Explanation:* RECOVER PLUS detected an invalid value for DSSIZE in the catalog. The space to which this value refers is named in a BMC40301 message immediately following this message.

*User response:* Retrieve the row from SYSIBM.SYSTABLESPACE for the table space named in the BMC40301 message and check the value for DSSIZE. If it is 67,108,864 or less, contact BMC Customer Support. Please have ready the output from the RECOVER PLUS execution, and the results of your catalog SELECT.

**BMC40849I**

**TRACKMOD NO**

*Explanation:* The table space reported was defined with the TRACKMOD NO option.

*User response:* No action is required.

**BMC40850I**

**OBJECT TYPE PART #RECS #BYTES**

*Explanation:* This message provides the table headings for information from the LOGSCAN command.

*User response:* No action is required.
**BMC40851I**

**databaseName.tableSpaceName spaceType part count bytes**

**Explanation:** This message is a part of the LOGSCAN report. It describes the type of space (table or index), the partition number, the number of log records to be sorted, and the total byte count for the log records.

**User response:** No action is required.

**BMC40852I**

**TOTAL count bytes**

**Explanation:** This messages provides the total number of log records and the total byte count found by the LOGSCAN command.

**User response:** No action is required.

**BMC40853I**

**NUMREC EST integer1 AVGRECSZ integer2**

**Explanation:** This messages provides NUMREC EST and AVGRECSZ calculated by specifying LOGSCAN command. These values should be used as sub-parameters of the LOGSORT keyword on the OPTIONS statement to provide an accurate sort size estimate during recovery.

**User response:** No action is required.

**BMC40854E**

**LOGSCAN string ONLY SUPPORTED WITH INDEXLOG YES**

**Explanation:** A request was made to scan the log for an index rebuild because INDEXLOG was set to NO.

**User response:** Either set INDEXLOG to YES or remove the LOGSCAN for the index.

**BMC40855E**

**CANNOT OBTAIN DIRECTORY PAGE INFORMATION. REQUESTED RECOVERY IS NOT POSSIBLE.**

**Explanation:** RECOVER PLUS cannot obtain the information needed to recover the index that has had a VARCHAR column altered because:

- You did not include the very first piece of a nonpartitioned index in the recovery request.

- The image copy or the table space (for LOGONLY recoveries) does not contain a directory page because the image used for the recovery reflects a time before the ALTER. This can occur with DB2 Version 5 or spaces that have been migrated from DB2 Version 5.

**User response:** Include the very first piece of the nonpartitioned index in the recovery request or rebuild the index.
Utilid utilityID already exists and the utility is not a recover

Explanation: A value of NEW or TERM was specified for the restart execution parameter and another utility with the same utilityID as this utility was found in BMCUTIL or BMCSYNC, but it is not a RECOVER utility.

User response: Determine if any other BMC utilities with the same utilityID are now running or previously abended. If a utility is now running, wait for it to complete, then rerun this job. If another utility abended, TERM it, then rerun this job. If you are unable to resolve this problem, contact BMC Customer Support.

The logscan statement cannot be used with other statement types

Explanation: A LOGSCAN statement was found with a RECOVER or ACCUM statement. It is not possible to perform a recover or an accum while performing a log scan.

User response: Remove the RECOVER or ACCUM statement and rerun.

A logscan report will not be printed because there were no DB2 log records found

Explanation: A LOGSCAN was requested for one or more objects, but there were no DB2 log records to report for any of the spaces.

User response: No action is required.

Text

Explanation: When MAINT is specified for the restart parameter on the EXEC JCL statement, this message will be displayed multiple times to list the contents of the BMCUTIL and BMCSYNC tables.

User response: No action is required.

Log sort statistics (LOGSCAN)

Explanation: This is the title for the report generated by LOGSCAN.

User response: No action is required.

MM/DD/YYYY hh:mm:ss

Explanation: This is date and time the LOGSCAN report was produced.

User response: No action is required.

No log record information to be reported

Explanation: A LOGSCAN was requested but none of the objects involved in the LOGSCAN required log processing.

User response: No action is required.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Description</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC40863I</td>
<td><code>databaseName.tableSpaceName type part **UNRECOVERABLE**</code></td>
<td>A LOGSCAN was requested for the named object, but the object was unrecoverable.</td>
<td>Determine why the object was unrecoverable.</td>
</tr>
<tr>
<td>BMC40864E</td>
<td>THE 'parameterName' PARAMETER IS MISSING FROM THE JCL</td>
<td>The EXEC statement parameter shown is not on the statement. It is required.</td>
<td>Code the EXEC statement parameters as shown in the manual.</td>
</tr>
<tr>
<td>BMC40865I</td>
<td>INDEX REBUILD <code>creator.ixname - GROUP groupNumber</code></td>
<td>The utility is summarizing action on an index. <code>groupNumber</code> represents the index group to which this index belongs for the purpose of sorting key values.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC40866I</td>
<td>ESTIMATED SORT FILSZ= <code>fileSize</code> FOR INDEX REBUILD OF TABLESPACE <code>databaseName.tableSpaceName</code></td>
<td>This will be the file size estimate passed to the sort for the index rebuild.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC40867E</td>
<td>CHANGE ACCUMULATION OF INDEXES BY DSNUM IS INVALID</td>
<td>An attempt was made to run change accumulation for indexes when the table space specification was for a specific data set number.</td>
<td>Either remove the INDEXES YES option from the statement or eliminate the DSNUM specification. If the request was an ACCUM GROUP statement, you must change the target object specification in the group to set both HIGH DSNUM and LOW DSNUM to 0.</td>
</tr>
</tbody>
</table>
**BMC40868I**  
*phase PHASE result. ACCUMULATED TCB TIME = time*

*Explanation:* The phase of the execution has completed. TCB time (in hours, minutes, seconds) since job start are shown after each phase. *result* has a value of either COMPLETE or ABORTED.

*User response:* If *result* is COMPLETE, no action is required. If *result* is ABORTED, check for other messages.

**BMC40869E**  
**GENERATION NUMBER CAUSES DSN TO EXCEED MAXIMUM LENGTH**

*Explanation:* A relative GDG data set name was specified, but when converted to an absolute generation name (such as, .G0001V00), its length would exceed the maximum data set length of 44 characters. Message BMC40302 follows to display the incorrect data set name.

*User response:* Correct the invalid data set name and resubmit the job.

**BMC40870E**  
**ERROR RESOLVING RELATIVE GDG NAME**

*Explanation:* RECOVER PLUS tried to convert a relative GDG data set name into an absolute data set name (such as, .G0001V00), but encountered an error. Message BMC40302 follows to display the data set name.

*User response:* Examine the data set name in message BMC40302 and correct any errors. If the data set name is correct, contact BMC Customer Support.

**BMC40871I**  
**COPY RECOMMENDED FOR INDEX**

*Explanation:* The operation just completed for this index makes subsequent forward recovery from the log impossible without a new image copy. Because the index can still be rebuilt with the REBUILD INDEX command or the index can be recovered with the BACKOUT option, it is not put in a status that prevents updates.

*User response:* Image copy this index if you intend to forward recover it using log records in the future.

**BMC40872E**  
**EXPANDED DSNAME **dataSetName** IN OUTPUT STATEMENT statement IS EITHER TOO LONG OR INVALID**

*Explanation:* After expanding all symbolic variables in the data set name specified in the DSNAME or MODELDCCB parameter of the OUTPUT statement *statement*, the resulting data set name, **dataSetName**, is either longer than 44 characters or is not in the proper format.

*User response:* Correct the data set name specified on the DSNAME or MODELDCCB parameter and rerun the job.

**BMC40873I**  
*text*

*Explanation:* When MAINT is specified for the restart parameter on the EXEC JCL statement, this message will be displayed multiple times to list DB2 synonyms used by the product and their associated DB2 tables.

*User response:* No action is required.
BMC40874E  TARGET OBID X'obid' FOR SPACE tableSpaceName DOES NOT EXIST

Explanation: The OBID shown was specified for an OBIDXLAT target with DROPRECOVERY but the OBID is not a table's OBID for the space.

User response: Verify that all tables or indexes are defined for the space and that the OBIDs are properly obtained.

BMC40876I  MAINT: PTFList

Explanation: This message lists the PTFs applied to the RECOVER PLUS load library. If no PTFs have been applied, the message also indicates this.

User response: No action is required.

BMC40877I  RECOVER PLUS MAINTENANCE DISPLAY REQUESTED

Explanation: This message introduces information about maintenance applied to this load module.

User response: No action is required.

BMC40878I  WTOR = optionValue (ISSUE WTOR IF SPACE REMAINS IN STOPP STATUS)

Explanation: This informational message displays the default value for the WTOR option that was defined during installation.

User response: No action is required.

BMC40879W  NUMBER OF OBJECTS NOT PROCESSED DUE TO SEVERE ERRORS: integer

Explanation: This message gives the number of severe errors encountered during this recovery step. Other messages describe the error. This message is also used to indicate the number of failures before automatic fallback is attempted.

User response: Correct the problem described in the other messages and restart or rerun the step.

BMC40880I  SUBTASK PROCESSING ERROR

Explanation: There is an error in subtask processing.

User response: If your run did not complete, contact BMC Customer.

BMC40881I  MODULE = module

Explanation: This is an additional message explaining a situation described in an earlier message.

User response: Refer to the accompanying message.

BMC40882I  REASON = LOAD MODULE NOT FOUND

Explanation: This is an additional message explaining a situation described in an earlier message.

User response: Refer to the accompanying message.
BMC40883I  REASON = ATTACH FAILED. ATTACH RC = returnCode
Explanation: This is an additional message explaining a situation described in an earlier message.
User response: Refer to the accompanying message.

BMC40884I  REASON = SUBTASK NOT ATTACHED
Explanation: This is an additional message explaining a situation described in an earlier message.
User response: Refer to the accompanying message.

BMC40885I  REASON = FORCED DETACH
Explanation: This is an additional message explaining a situation described in an earlier message.
User response: Refer to the accompanying message.

BMC40886I  REASON = SUBTASK NOT ENDED
Explanation: This is an additional message explaining a situation described in an earlier message.
User response: Refer to the accompanying message.

BMC40887I  REASON = DETACH FAILED. DETACH RC = returnCode
Explanation: This is an additional message explaining a situation described in an earlier message.
User response: Refer to the accompanying message.

BMC40888I  REASON = SUBTASK ALREADY ATTACHED
Explanation: This is an additional message explaining a situation described in an earlier message.
User response: Refer to the accompanying message.

BMC40889I  REASON = INVALID PARAMETERS PASSED
Explanation: This is an additional message explaining a situation described in an earlier message.
User response: Refer to the accompanying message.

BMC40890I  REASON = INTERNAL ERROR - TASK LOCATE
Explanation: This is an additional message explaining a situation described in an earlier message.
User response: Refer to the accompanying message.
**BMC40891I**  
**MAXDRIVES = integer (DEFAULT MAX TAPE DRIVES)**  
*Explanation:* This informational message displays the default value for the MAXDRIVES option that was defined during installation.  
*User response:* No action is required.

**BMC40892I**  
**MAXLOGS = integer (DEFAULT MAX CONCURRENT LOG FILES)**  
*Explanation:* This informational message displays the default value for the MAXLOGS option that was defined during installation.  
*User response:* No action is required.

**BMC40893I**  
**RESINV = (integerK) (MEMORY BELOW 16MB EXCLUDED FROM USE BY SORT)**  
*Explanation:* integer is the value coded at installation time in the AFRSOPTS macro for the RESINV parameter. This parameter sets the amount of memory below the 16MB line that will be excluded from use by the system sort package.  
*User response:* No action is required.

**BMC40894E**  
**DUPLICATE DSNAME OR GDG BASE FOR OUTPUT COPY**  
*Explanation:* An OUTPUT statement specifies a DSNAME or GDG data set in the DSNAME or MODELDCB clause that matches a DSNAME or GDG data set specified in another OUTPUT, OUTCOPYDSN, and/or RECOVERYDSN statement. A following BMC40302 message will display the DSNAME or GDG base data set name that has been duplicated.  
*User response:* Locate the OUTPUT, OUTCOPYDSN, and/or RECOVERYDSN statements containing the duplicate names. Modify or delete the data set name as necessary so that it is unique among these statements. You may use symbolic variables in the data set name to insure that it is unique.

**BMC40895W**  
**DEVICE TYPE OF UNIT unitName IS IN CONFLICT WITH SPECIFIED OPTIONS IN OUTPUT STATEMENT statementName**  
*Explanation:* The device type of the unit is not compatible with other options on the named OUTPUT statement. For example, the unit is a tape device but the SPACE option was coded, or the unit is a DASD device but the TRTCH option was coded.  
*User response:* Make sure the unit you specified is the correct device type. Correct the statement and rerun.

**BMC40896S**  
**HIGH USED RBA OF ZERO IS INVALID FOR type**  
*Explanation:* RECOVER PLUS has detected that the high-used RBA of the data set or space named in a subsequent message or messages is zero, making the data set or space ineligible for type processing, where type is either BACKOUT or UNLOAD.  
*User response:* Recover the table or index space (without the BACKOUT option if type is BACKOUT). If the space is an index, you can also use the REBUILD INDEX command.
INDEX REBUILD IS NOT ALLOWED DUE TO REORP STATUS ON TABLE SPACE

Explanation: A rebuild was requested for an index, but the limit keys for the partitioning index have been altered, placing the table space in REORP status.

User response: REORG the table space identified by the BMC40126 message.

INDEX LEFT IN status BECAUSE TABLESPACE WAS action AND INDEX WAS NOT

Explanation: The index identified in an earlier message is left in the exception status shown because the table space was recovered to an earlier point in time but the index was not. action is either RECOVERD TO POINT-IN-TIME or TRANSFORMED.

Note that RECOVER PLUS only leaves such indexes in the exception status if IXRECP=YES, either in the installation options or in the OPTIONS statement syntax.

User response: Indexes left in an exception status should be recovered or rebuilt. If the action is TRANSFORMED, you should rebuild the index. If you want to transform the index, you must transform it in the same step as the table space.

MAXLOGS MUST BE GREATER THAN ZERO

Explanation: The value for the MAXLOGS option must be 1 or greater.

User response: Set the MAXLOGS option to a value greater than 0 in the installation options or in the OPTIONS statement syntax.

Messages BMC40900 through BMC40999

For the RECOVER PLUS for DB2 product, this topic explains each message in the designated range.

stepName STEP COMPLETE

Explanation: This message is issued at the end of a step.

User response: No action is required.

TOTAL WAITS = totalWaits

Explanation: This message presents performance statistics for an unload keys step.

User response: No action is required.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC40902I</td>
<td>TOTAL WAITS = numWaits, TOTAL WAIT TIME = time</td>
<td>This message presents performance statistics for a merge step.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC40903I</td>
<td>INCREMENTAL IC dataSetName READ WAITS = numWaits, WAIT TIME = time</td>
<td>This message presents performance statistics for a merge step.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC40904I</td>
<td>SPACE READ WAITS = numWaits, WAIT TIME = time</td>
<td>This message presents performance statistics for a merge step.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC40905I</td>
<td>SPACE WRITE WAITS = numWaits, WAIT TIME = time</td>
<td>This message presents performance statistics for a merge step by reporting the number of waits for write I/O to a space.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC40906I</td>
<td>NUMBER OF PAGES EXAMINED = pages, ROWS EXAMINED = numberRows, KEYS EXTRACTED = numberKeys</td>
<td>This message presents statistics from key extraction on a table space or table space partition. The number of keys extracted reflects the key records output, one for each row found for each index.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC40907I</td>
<td>INDIRECT REFERENCES: FORWARD = forwardCount, BACKWARD = backwardCount</td>
<td>This message shows the indirect references found during row analysis for key extraction.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC40908I</td>
<td>AFROPTS = moduleName</td>
<td>This is an informational message displaying the name of the RECOVER PLUS options module loaded by the utility.</td>
<td>No action is required</td>
</tr>
<tr>
<td>BMC40909I</td>
<td>ACAOPTS = moduleName</td>
<td>This is an informational message displaying the name of the R+/CHANGE ACCUM options module loaded by the utility.</td>
<td>No action is required</td>
</tr>
</tbody>
</table>
BMC40910I  THE AUX KEYWORD WAS SPECIFIED BUT THE TABLESPACE IS NOT A BASE OBJECT
Explanation: The AUX keyword was found in the OPTION statement or in the TABLESPACE specification, but the table space is not a base table.
User response: No action is required.

BMC40911E  UNABLE TO USE ENCRYPTED COPY
Explanation: RECOVER PLUS is unable to use encryption processing for the copy.
User response: Use accompanying messages to determine and correct the problem. Then resubmit the job.

BMC40912I  TOTAL NUMBER OF WAITS = totalWaitsCount
Explanation: This message shows performance statistics.
User response: No action is required.

BMC40913I  COPY READ WAITS = readWaitsCount, COPY READ WAIT TIME = waitTime
Explanation: This message shows performance statistics.
User response: No action is required.

BMC40914I  TOTAL I/O WAIT TIME = waitTime
Explanation: This message shows performance statistics.
User response: No action is required.

BMC40915I  TS WRITE WAITS = writeWaitsCount, TS WRITE WAIT TIME = waitTime
Explanation: This message shows performance statistics.
User response: No action is required.

BMC40916I  TABLESPACE READ WAITS = readWaitsCount, KEY OUT WAITS = keyWaits
Explanation: This message shows performance statistics.
User response: No action is required.

BMC40917I  TOTAL TIME FOR WAITS = waitTimeTotal
Explanation: This message shows performance statistics.
User response: No action is required.

BMC40918I  TABLESPACE READ WAIT TIME = waitTime, KEY OUT WAIT TIME = waitTime
Explanation: This message shows performance statistics by reporting the time spent waiting for I/O to read the table space and the time to write out index keys during UNLOAD processing.
User response: No action is required.
BMC40919I  **TOTAL TIME FOR WAITS** = waitTimeTotal, **WAIT TIME FOR BUFFER MANAGER** = waitTime

*Explanation:* This message shows performance statistics.

*User response:* No action is required.

BMC40920I  **WAIT TIME FOR SORT** = waitTime

*Explanation:* This message shows performance statistics.

*User response:* No action is required.

BMC40921I  **INPUT READ TIME** = readTime, **SORT WAIT TIME** = sortWait

*Explanation:* This message shows performance statistics.

*User response:* No action is required.

BMC40922I  **READ KEY TOTAL I/O WAIT TIME** = readWaitTimeTotal

*Explanation:* This message shows performance statistics.

*User response:* No action is required.

BMC40923I  **ELAPSED TIME IN KEY INPUT** = elaptedTime

*Explanation:* This message shows performance statistics.

*User response:* No action is required.

BMC40924I  **OPTIONS: PLANRECV** = planName (MAIN PLAN)

*Explanation:* planName is the plan used by the utility to connect to DB2.

*User response:* No action is required.

BMC40925I  **TBUFFS** = number (BUFFER MANAGER PAGES)

*Explanation:* number is the value coded at installation time in the AFR$OPTS macro for the number of pages to be used by the utility buffer manager for random log apply and index creation.

*User response:* No action is required.

BMC40926I  **CHECKPT** = option (CHECKPOINTING)

*Explanation:* option is the value coded at installation time in the AFR$OPTS macro to indicate at what points the utility is to take restart checkpoints.

*User response:* No action is required.

BMC40927I  **RDB2STAT** = option (RESET DB2 OBJECT STATUS)

*Explanation:* option is the value coded at installation time in the AFR$OPTS macro to indicate if DB2 object status is to be reset upon completion of a successful recovery.

*User response:* No action is required.
SMCORE = (value1,value2) (SORT CORE VALUES)

Explanation: value1 and value2 are the values coded at installation time in the
AFR$OPTS macro to indicate to the utility how memory is to be used during
key sorts and log sorts.

User response: No action is required.

SORT VALUES: SORTCORE = value (SORT MEMORY VALUE)

Explanation: value is the SMCORE value selected by the utility. This is
SMCORE2 for SyncSort and SMCORE1 for all other sort packages.

User response: No action is required.

PARM NOT CODED--parameterName

Explanation: parameterName is the name of a parameter that was not coded on
the JCL EXEC statement for the utility. The default value for that parameter
will be used.

User response: No action is required.

PARM LIST: DB2 SSID = ssid

Explanation: ssid is the DB2 subsystem ID coded in the runtime parameters on
the JCL EXEC statement for the utility. If the DB2 subsystem ID is not coded in
the runtime parameters on the JCL EXEC statement for the utility, the default
value from the DSNHDECP that is in the STEPLIB concatenation will be used.

User response: No action is required.

UTILID = utilityID

Explanation: utilityID is the utility ID coded in the run time parameters on the
JCL EXEC statement for the utility.

User response: No action is required.

RESTART = parameterName

Explanation: parameterName is the restart parameter coded in the run time
parameters on the JCL EXEC statement for the utility.

User response: No action is required.

MSGLEVEL = msgLevel

Explanation: msglevel is the message level coded in the run time parameters on
the JCL EXEC statement for the utility.

User response: No action is required.

CHECKPT = checkpt

Explanation: checkpt is the checkpoint parameter coded in the run time
parameters on the JCL EXEC statement for the utility.

User response: No action is required.
**BMC40936I**  
**RDB2STAT = parameterName**  
*Explanation:* parameterName is the restore DB2 status parameter coded in the run time parameters on the JCL EXEC statement for the utility.  
*User response:* No action is required.

**BMC40937I**  
**os RELEASE = osLev, PID = pid, SMS RELEASE = smsLev**  
*Explanation:* The utility examines system control blocks to determine the current system software levels for the system on which it is executing. osLev is the operating system level, pid is the product name, and smsLev is the SMS level.  
*User response:* No action is required.

**BMC40938I**  
**WKUNIT = value (WORK UNIT NAME)**  
*Explanation:* value is the value coded at installation time in the AFR$OPTS macro for the unit name that the utility is to use for allocation of internal system data sets.  
*User response:* No action is required. This message is for information only.

**BMC40939I**  
**RC = returnCode ON ALLOCATION OF DDNAME ddname, ECODE = code1, ICODE = code2**  
*Explanation:* An error has occurred during dynamic allocation for ddname. The return code and other error codes are given.  
*User response:* Contact BMC Customer Support.

**BMC40940I**  
**sortParameter VALUE OVERRIDDEN, NEW VALUE = number**  
*Explanation:* This message documents SMCORE overrides. The sortParameter will be either VSCORET or SORTCORE.  
*User response:* No action is required. This message is for information only.

**BMC40942I**  
**MAXKSORT = value (DEFAULT) (MAX CONCURRENT INDEX Sorts)**  
*Explanation:* value is the value coded at installation time in the AFR$OPTS macro for the maximum number of concurrent index sorts that RECOVER PLUS is to perform. (DEFAULT) displays if MAXKSORT=0 in the installation options module (because the default is 2 times the number of CPUs).  
*User response:* No action is required. This message is for information only.

**BMC40943I**  
**CONVERTING ixCreator.ixName PART partNumber TO DB2 REBUILD**  
*Explanation:* RECOVER PLUS will pass this index to DSNUTILB for REBUILD.  
*User response:* No action is required. This message is for information only.
BMC40944I  **OPNDB2ID = option (ACQUIRE RACF AUTHORITY OF DB2)**

*Explanation:* option is the value coded at installation time in the AFR$OPTS macro to indicate if the utility is to use the DB2 RACF authority when opening DB2 objects.

*User response:* No action is required. This message is for information only.

BMC40945I  **CHECKINT = number (CHECKPOINT INTERVAL MINUTES)**

*Explanation:* number is the value coded at installation time in the AFR$OPTS macro to indicate the minimum interval between checkpoints. Refer to Appendix A for more information.

*User response:* No action is required. This message is for information only.

BMC40946I  **AMSCAT = option (USE 'CATALOG' IN IDCAMS INPUT)**

*Explanation:* option is the value coded at installation time in the AFR$OPTS macro to indicate if the CATALOG parameter is to be used in AMS DELETE/DEFINE statements for STOGROUP-defined objects.

*User response:* No action is required. This message is for information only.

BMC40947I  **VSCORET = value (TOTAL MEMORY OVERRIDE)**

*Explanation:* value is the total sort memory used by the utility if SyncSort is detected in the system.

*User response:* No action is required. This message is for information only.

BMC40948I  **TOTAL NUMBER OF WAITS = n**

*Explanation:* This message provides performance statistics.

*User response:* No action is required. This message is for information only.

BMC40949I  **KEY READ WAITS = n, SORT OUT WAITS = m**

*Explanation:* This message provides performance statistics.

*User response:* No action is required. This message is for information only.

BMC40950E  **THE TARGET SPACE MUST BE STOGROUP DEFINED**

*Explanation:* The target space that is being transformed is VCAT defined.

*User response:* Redefine the target object use a storage group.

BMC40951I  **DATA PAGES EXAMINED = n**

*Explanation:* This message provides performance statistics.

*User response:* No action is required. This message is for information only.

BMC40952I  **NUMBER OF PAGES READ FROM INPUT SPACE = n**

*Explanation:* This message provides performance statistics.

*User response:* No action is required. This message is for information only.
**BMC40953I**  
**optionName VALUE OVERRIDDEN, NEW VALUE = newValue**  
*Explanation:* The value of the *optionName* will be overridden and given the *newValue*.  
*User response:* No action is required. This message is for information only.

**BMC40954I**  
**AVAILABLE MEMORY BELOW THE LINE = size1, TOTAL AVAILABLE MEMORY (AT LEAST) = size2**  
*Explanation:* This message provides information about the region that is available above and below the 16M line.  
*User response:* No action is required. This message is for information only.

**BMC40955W**  
**UNABLE TO REGISTER OUTPUT COPY DUE TO SQL ERROR**  
*Explanation:* The utility received an SQL error while attempting to register an output copy.  
*User response:* Take action to make registered copies. Be sure that the installation job to install SYSCOPY support was run.

**BMC40956I**  
**RCLTSK = value (MAXIMUM RECALL TASKS)**  
*Explanation:* *value* is the value coded in the AFR$OPTS macro at installation time for the maximum number of recall tasks.  
*User response:* No action is required. This message is for information only.

**BMC40957I**  
**optionName VALUE OVERRIDDEN, NEW VALUE = numericValue**  
*Explanation:* This message displays the new value of an installation option that has been changed using the OPTIONS command.  
*User response:* No action is required. This message is for information only.

**BMC40959I**  
**strategy STRATEGY REQUESTED**  
*Explanation:* This message acknowledges that the strategy shown was set on the OPTIONS statement.  
*User response:* No action is required. This message is for information only.

**BMC40960I**  
**strategy STRATEGY DISABLED**  
*Explanation:* This message acknowledges that the strategy shown was disabled on the OPTIONS statement.  
*User response:* No action is required. This message is for information only.

**BMC40962I**  
**SORTDEVT = sortDevice (DEVICE TYPE FOR LOGSORT)**  
*Explanation:* The message gives the device type for log sorts set in the installation options. This message displays SORT DEFAULT when SORTDEVT is not coded in the AFR$OPTS options module.  
*User response:* No action is required. This message is for information only.
**BMC40963I**  
**SORTNUM = sortNum** *(WORK DATASETS FOR LOGSORT)*  
*Explanation:* This message gives the work data sets for log sorts set in the installation options. This message displays SORT DEFAULT when SORTNUM is not coded in the AFR$OPTS options module.  
*User response:* No action is required. This message is for information only.

**BMC40964I**  
**OUTCOPY = byPart/asCoded** *(OUTCOPY CREATION DIRECTIVE)*  
*Explanation:* This message gives the setting codes for making output copies of partitioned spaces.  
*User response:* No action is required. This message is for information only.

**BMC40965I**  
**OUTCOPY CREATION DIRECTIVE OVERRIDDEN, NEW VALUE = byPart/asCoded**  
*Explanation:* This message provides the override of the setting for making output copies of partitioned spaces.  
*User response:* No action is required. This message is for information only.

**BMC40966I**  
**PRODUCT = productName**  
*Explanation:* This message names the product associated with a preceding message.  
*User response:* See previous message.

**BMC40967I**  
**TAPE DEVICE n = deviceName**  
*Explanation:* This message gives a tape device name provided by the operating system.  
*User response:* No action is required. This message is for information only.

**BMC40968I**  
**EARLY CATALOG CHECK FEATURE DISABLED**  
*Explanation:* This message indicates that NOEARLYCAT is specified on the OPTIONS statement. The MVS catalog is not checked during analysis for copies, logs, and change accumulation data sets.  
*User response:* No action is required.

**BMC40969I**  
**SYSLGRNX LOOKUP DURING RECOVERY DISABLED**  
*Explanation:* This message indicates that NOSYSLGRNG is specified on the OPTIONS statement. SYSLGRNX is not used to determine log scanned during this recovery.  
*User response:* No action is required. This message is for information only.
BMC40970W  COPY REQUIRED FOR OBJECT
Explanation: The object was recovered, but to a previous point in time, because the TORBA or TOCOPY option was specified. No registered output copy was made. A registered copy is required for recoverability before the object is used.
User response: Make a SHRLEVEL REFERENCE or SHRLEVEL NONE full image copy of the object before starting it for normal access.

BMC40971W  OBJECT RECOVERED TO SHRLEVEL CHANGE COPY
Explanation: A copy referenced in the TOCOPY clause was made with SHRLEVEL CHANGE. The pages may not be logically consistent.
User response: If you can find a consistent point after this copy, use LOGAPPLY ONLY to bring the pages to a consistent point.

BMC40972I  COPY IS: dataSetName
Explanation: This message accompanies another message, and identifies a copy data set name referred to in the other message.
User response: See the accompanying message for any further action required.

BMC40976I  DUMP OF LOG RECORD IN ERROR
Explanation: This message introduces the dump of a log record that failed to process. See preceding message for error codes and information.
User response: Contact BMC Customer Support.

BMC40977I  DUMP OF DATA PAGE IN ERROR
Explanation: This message introduces the dump of a page from a space to support an error. See preceding messages for error codes and information.
User response: Contact BMC Customer Support.

BMC40978I  OUTCOPY dataSetName WAITS = numWaits, WAIT TIME = time
Explanation: This message shows statistics from a merge phase.
User response: No action is required. This message is for information only.

BMC40979I  LOG INPUT WAITS = numWaits, WAIT TIME = time
Explanation: This message shows statistics from a merge phase.
User response: No action is required. This message is for information only.

BMC40980I  KEY OUTPUT WAITS = numWaits, WAIT TIME = time
Explanation: This message shows statistics from a merge phase.
User response: No action is required. This message is for information only.
**BMC40981I**  FULL IC dataSetName READ WAITS = numWaits, WAIT TIME = time  
*Explanation:* This message shows statistics from a merge phase.  
*User response:* No action is required. This message is for information only.

**BMC40982I**  INPUT CHANGE ACCUMULATION READ WAITS = numWaits, WAIT TIME = time  
*Explanation:* This message shows statistics from a merge phase.  
*User response:* No action is required. This message is for information only.

**BMC40983I**  OUTPUT CHANGE ACCUMULATION dataSetName WAITS = numWaits, WAIT TIME = time  
*Explanation:* This message shows statistics from a merge phase.  
*User response:* No action is required. This message is for information only.

**BMC40984I**  NUMBER OF PAGES READ FROM INPUT SPACE = numPages USED = used  
*Explanation:* This message shows statistics from a merge phase for a BACKOUT, LOGONLY, or LOGAPPLY ONLY recovery, or a merge following the restoration of an inline copy. The number of pages read is a count of all pages read from the input space, including zero pages and pages that are not updated by log records. The pages used include only those written to the space—even if they are not updated by log records—but does not include zero pages.  
*User response:* No action is required. This message is for information only.

**BMC40985I**  NUMBER OF PAGES READ FROM FULL COPY FOR THIS OBJECT = numPages USED = used  
*Explanation:* This message shows statistics from a merge phase. If the copy is for all data sets and the merge for only one data set, a preceding step may have read some of the pages for this object. The number used depends on incremental copies also included in the merge phase.  
*User response:* No action is required. This message is for information only.

**BMC40986I**  NUMBER OF PAGES READ FROM INCR COPY dataSetName FOR THIS OBJECT = numRead, USED = used  
*Explanation:* This message shows statistics from a merge phase. If the copy is for all data sets and the merge for only one data set, a preceding step may have read some of the pages for this object. The number used depends on other incremental copies also included in the merge phase.  
*User response:* No action is required. This message is for information only.

**BMC40987I**  ACCUM RECORDS THIS PAGESET: READ = numberRead (number(K | M | G | T) BYTES), SELECTED = numberSelected  
*Explanation:* This message shows statistics from a merge phase. The numbers displayed are the number of change accum records read from the input file (which are for the space or partition affected by the merge phase), the number
of bytes in the records, and the number of records selected for processing. In
most recoveries and accumulation runs, the two record counts are the same.

User response: No action is required. This message is for information only.

**BMC40988I**

**ACCUM RECORDS TOTAL: READ = numberRead {K | M | G | T} BYTES, SELECTED = numberSelected**

*Explanation:* This message shows statistics from a merge phase. The numbers displayed are the total number of change accum records read from the input file, the number of bytes in the records, and the number of records selected for processing. These counts include all data read from the input change accum file in this and the preceding merge phases. In most recoveries and accumulation runs, the two record counts are the same. They will be different if one or more merges are terminated or skipped. Sometimes, the total reported read for a merge phase will not equal the total from the previous phase plus the total for the space or partition affected by this merge (in message BMC40987). This situation can occur if records must be read from the accum file that are not used by the utility (for example, when some spaces represented on an input accum file are not being recovered).

User response: No action is required. This message is for information only.

**BMC40989I**

**LOG RECORDS TOTAL: FROM SORT = numberSorted {K | M | G | T} BYTES, SELECTED = numberSelected**

*Explanation:* This message shows statistics from a merge phase. The numbers displayed are the total number of change accum records output from the log sort, the number of bytes in the records, and the number of records selected for processing. These counts include all sorted log records processed in this and the preceding merge phases. In most recoveries and accumulation runs, the two record counts are the same. They will be different if one or more merges are terminated or skipped.

User response: No action is required. This message is for information only.

**BMC40990I**

**NUMBER OF OUTPUT CHANGE ACCUMULATION RECORDS WRITTEN = recs, BYTES WRITTEN = bytes FOR THIS OBJECT**

*Explanation:* This message shows statistics from a merge phase.

User response: No action is required. This message is for information only.

**BMC40991I**

**NUMBER OF OUTPUT CHANGE ACCUMULATION RECORDS WRITTEN = recs, BYTES WRITTEN = bytes FOR groupName TOTAL**

*Explanation:* This message shows statistics from a merge phase.

User response: No action is required. This message is for information only.

**BMC40992I**

**NUMBER OF OUTPUT CHANGE ACCUMULATION PAGES WRITTEN = pages**

*Explanation:* This message shows statistics from a merge phase.

User response: No action is required. This message is for information only.
**BMC40993E**  
**OUTCOPYDDN PREFIX prefix IS LONGER THAN n CHARACTERS**  
*Explanation:* Output copies are requested for a partitioned table space or index and either the request is by part or the OUTCOPY option is set to BYPART. In this case, the OUTCOPYDDN must be a prefix, which is automatically appended with \textit{nn, nnn, or nnnn}, where \textit{nn, nnn, or nnnn} is the part number. This message indicates that the prefix was too long. Subsequent messages identify the table space or index name.  
*User response:* Correct the prefix and any associated DD statements and resubmit the job.

**BMC40994E**  
**INCOPY dataSetName IS NOT AVAILABLE**  
*Explanation:* A statement contained an INCOPY for \textit{dataSetName} but the data set is not available. The table space or index for which the INCOPY specification was coded is identified in subsequent messages.  
*User response:* If the data set is not cataloged, specify or ensure that you correctly specified INVOLUME, INDEVT, and INSEQNO (if required). If the data set should be cataloged, verify the spelling and the catalog status.

**BMC40996I**  
**numSegs SEGMENTS AND numRows ROWS TRANSLATED FROM ID X'obidOld' TO ID X'obidNew'**  
*Explanation:* These statistics resulted from a merge in which object IDs were translated.  
*User response:* No action is required. This message is for information only.

**BMC40997I**  
**numSegs SEGMENTS AND numRows ROWS FOR ID X'obid' NOT TRANSLATED**  
*Explanation:* The OBID shown was found in the data but was not coded in a translation table.  
*User response:* If the OBID did not need translating, no action is required.

**BMC40998I**  
**SCANOONLY IS IN EFFECT, NO OUTPUT CHANGE ACCUMULATION FILES WILL BE CREATED**  
*Explanation:* ANALYZE SCANONLY was specified. As a result, change accumulation activity is simulated but no files are written. You can use the counts produced to estimate log activity.  
*User response:* No action is required. This message is for information only.

**BMC40999I**  
**NO LOG RECORDS SELECTED FOR CHANGE ACCUMULATION FILES**  
*Explanation:* A merge phase was preparing change accumulation files, but there are no log records to place on it.  
*User response:* No action is required. This message is for information only.
Messages BMC47300 through BMC47499

This chapter includes messages for the COPY PLUS for DB2 product, and because COPY PLUS is a component of the Recovery Management for DB2 product, for Recovery Management as well.

Messages BMC47300 through BMC47399

For the COPY PLUS for DB2 product, this topic explains each message in the designated range.

BMC47300E  INTERNAL MEMORY MANAGEMENT ERROR CODE code
Explanation: An internal error has occurred.
User response: Contact BMC Customer Support.

BMC47301E  INTERNAL MEMORY MANAGEMENT ERROR: UNKNOWN ERROR CODE--code
Explanation: An internal error has occurred.
User response: Contact BMC Customer Support.

BMC47302I  NO STATUS INFO FOR databaseName.tableSpaceName. SPACE ASSUMED TO HAVE BEEN DROPPED.
Explanation: While doing a TERM, the indicated table space cannot be located and is assumed to have been dropped.
User response: No action is required.

BMC47304I  ESTIMATED (number) PAGES, OUTSIZE = (number) PAGES, TOTAL PAGES = numberOfPages
Explanation: The message gives the estimated number of pages to be copied, the value of the OUTSIZE option (converted to pages if K, M, or G is specified), and the total number of pages. The number of pages is accurate if you are using
FULL AUTO or CHANGELIMIT. Otherwise, the number of pages is based on the high used RBA.

User response: No action is required. This message is for information only.

**BMC47305E**

**OUT OF MEMORY, REASON = reasonCode**

Explanation: COPY PLUS could not allocate enough memory to perform the requested function.

User response: Increase the region size (REGION= size) on the JOB or EXEC statement and resubmit the job with NEW/RESTART or NEW/RESET. If this problem persists after increasing the region size, capture the output and contact BMC Customer Support.

**BMC47306E**

**ERROR ALLOCATING DATA SET dataSetName, ECODE = ec, ICODE = ic**

Explanation: An error occurred when dynamically allocating the input data set copies (dataSetName) in a COPY IMAGECOPY job.

User response: ECODE is the S99ERROR field and ICODE is the S99INFO field for an SVC 99. Refer to the MVS System Programming Library: Application Development Guide for explanations of the values displayed for these fields. If you cannot determine the problem, note the values of ec and ic and contact BMC Customer Support.

**BMC47307E**

**ERROR UNALLOCATING DATA SET ddname, ECODE = ec, ICODE = ic**

Explanation: An error occurred when dynamically unallocating the data set ddname.

User response: ECODE is the S99ERROR field and ICODE is the S99INFO field for an SVC 99. Refer to the MVS System Programming Library: Application Development Guide for explanations of the values displayed for these fields. If you cannot determine the problem, note the values of ec and ic and contact BMC Customer Support.

**BMC47308E**

**ERROR ALLOCATING DATA SET ddname, ECODE = ec, ICODE = ic**

Explanation: An error occurred when dynamically allocating the data set ddname.

User response: ECODE is the S99ERROR field and ICODE is the S99INFO field for an SVC 99. Refer to the MVS System Programming Library: Application Development Guide for explanations of the values displayed for these fields. If you cannot determine the problem, note the values of ec and ic and contact BMC Customer Support.

**BMC47309I**

**BEFORE RESTARTING, DO THE FOLLOWING:**

Explanation: This message follows BMC30125 when COPY PLUS is unable to stop the space during the TERM phase after waiting and retrying. The space requires special handling before attempting to restart the utility. Spaces
requiring special handling are DSNDB01.SCT02, DSNDB06SYSDBAUT, and DSNDB06.SYSGPAAUT. Special instructional messages follow.

**User response:** The utility terminates with return code 12. Follow the instructions that follow before restarting the utility or starting it over. See the product documentation for more information.

**BMC47310I**  
**WAIT FOR THE SPACE TO CHANGE TO STOP STATUS**

**Explanation:** This message follows BMC30125 and BMC47309 when COPY PLUS is unable to stop the space during the TERM phase after waiting and retrying. The utility should not be restarted until the space has stopped; otherwise, the restart will fail.

**User response:** Use the DB2 -DISPLAY DATABASE command to wait for the space to change to STOP status. Then follow any additional instructions given.

**BMC47311I**  
**USE THE DB2 -START COMMAND TO START THE SPACE**

**Explanation:** This message follows BMC30125 and BMC47309 when COPY PLUS is unable to stop the space during the TERM phase after waiting and retrying. The utility should not be restarted until the space has been started; otherwise, the restart will fail.

**User response:** Use the DB2 -START DATABASE command to start the space in an appropriate status. If you are planning to start the utility over, start the space in its original status. If you are planning to restart the utility, BMC recommends that you start the space in read-only (RO) status.

**BMC47312I**  
**INCREMENTAL COPY SELECTED DUE TO | FULL COPY SELECTED DUE TO (ESTIMATED PERCENT CHANGED | FINDING DSNUM 1 COPY AT (C3F28CCFB27) FOR NON-PARTSPACE AND USING DSNUM ALL)**

**Explanation:** COPY PLUS issues this message with different text depending on the situation. For example, COPY PLUS might issue BMC47312I INCREMENTAL COPY SELECTED DUE TO ESTIMATED PERCENT CHANGED or BMC47312I FULL COPY SELECTED DUE TO FINDING DSNUM 1 COPY AT (C3F28CCFB27) FOR NON-PART SPACE AND USING DSNUM ALL. In the second case, a FULL AUTO or CHANGELIMIT specification resulted in a full copy request for the reason shown in the second part of the message. A return code 0 is issued.

**User response:** This message is for information only. No action is required.

**BMC47313E**  
**GLOBAL OPTION option1 MAY NOT PRECEDE OBJECT OPTION option2**

**Explanation:** The option is a global COPY option and must appear after any object options.

**User response:** Move global COPY options after all object options. See the product documentation for syntax.
BMC47314I  COPY BYPASSED DUE TO FULLPCT/CHANGELIMIT RANGES

Explanation: FULL AUTO or CHANGELIMIT was used with two values for copy type selection. The number of changed pages in the space is less than the low value range specified for making a copy. No copy will be made for the space.

User response: No action is required. This message is for information only.

BMC47315E  COPY WITH RBA rba AND ICTYPE = type DOES NOT INCLUDE TYPE {LP | LB | RP | RB}

Explanation: A request to copy an incremental copy was made but the copy listed does not have an entry of that ICTYPE.

User response: The related FULL copy and all subsequent non-cumulative incrementals must have an entry with the desired ICTYPE before a copy for this incremental can be made for this ICTYPE. Change the type of copy in the request or create the required copy with the desired ICTYPE first.

BMC47316I  COPY BYPASSED DUE TO 'MIGRSKIP YES' OPTION

Explanation: The copy of the table space or index space is being skipped because the volume ID is 'ARCIVE', 'MIGRAT', or the value specified by MIGRVOL, and the MIGRSKIP YES option is specified.

User response: No action is required. This message is for information only.

BMC47317W  FULL COPY OF databaseName.tableSpaceName(dsNum) EXISTS FOR SITE TYPE type, BUT INCREMENTAL NOT REGISTERED

Explanation: You are making one or more incremental copies but have not requested that an incremental copy be registered for the site type shown although the most recent full copy included a copy for the site type. COPY PLUS sets a return code of 4.

User response: This is a warning message reminding you that your full copy history indicates that you make copies of the site type shown in the message. You may also want to make and register incremental copies of the type shown.

BMC47318E  FULL COPY WITH RBA rba DOES NOT INCLUDE SITE TYPE type

Explanation: You are making one or more incremental copies and requested that one be registered for the site type shown. However, the full image copies with the RBA shown did not include one of this type.

User response: Change the request to make only incremental copies for the current site or make another full image copy of the table space for both site types; then consistently make incremental copies for both site types.

BMC47319W  FULL COPY NOT TAKEN FOR BOTH SITE TYPES

Explanation: The table space is in copy pending (COPY) status and you are making full copies for only one site type; however, history shows that image copies were also taken for the other site type. If the requested copy is made
only for the current site, then the other site can only do point-in-time recovery. COPY PLUS sets a return code of 4.

*User response:* This is a warning message. Take another full image copy of the table space for both site types to guarantee the correct recovery of both sites.

**BMC47320I**  
**OPTION IGNORED: option**  
*Explanation:* The named option was ignored.  
*User response:* No action is required.

**BMC47320W**  
**OPTION IGNORED: option**  
*Explanation:* The named option was ignored.  
*User response:* No action is required.

**BMC47321W**  
**NO LOCAL COPY MADE. COPY PENDING NOT RESET**  
*Explanation:* No local copies were made and registered. The space is in copy pending status and will remain so until a local copy is made. A return code 4 is set.  
*User response:* Make a full image copy and register it as a local copy.

**BMC47322I**  
**copyType COPY REGISTERED AT registrationPoint**  
*Explanation:* The image copy was registered in SYSIBM.SYSCOPY. For example, “LP” indicates that the copy is registered as a local primary copy—shown by blanks in SYSIBM.SYSCOPY, or “UNEXPANDED” indicates an unexpanded index copy.  
*User response:* No action is required. This message is for information only.

**BMC47323E**  
**NOT OWNER SUBSYSTEM OF SHARED READ ONLY DATABASE**  
*Explanation:* The table space specified for copying belongs to a shared read-only database. Only the owner DB2 subsystem may make an image copy of such a table space.  
*User response:* Make the image copy using the owner DB2 subsystem. See the product documentation for more information.

**BMC47324E**  
**UNABLE TO GET DEVICE TYPE NAME FOR ddname, RC = returnCode**  
*Explanation:* COPY PLUS was unable to determine the device type for the output copy identified by ddname.  
*User response:* Determine the device type of the copy and contact BMC Customer Support.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Description</th>
<th>Explanation</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC47325E</td>
<td>DATA SET ddname IS EMPTY</td>
<td>The DB2 data set being copied is not minimally formatted by DB2. The data set may have been deleted and redefined outside of DB2.</td>
<td>Use the appropriate DB2 utility to load or recover the data set before making an image copy.</td>
</tr>
<tr>
<td>BMC47326E</td>
<td>REGISTERING A BACKUP COPY WITHOUT A PRIMARY COPY IS INVALID</td>
<td>You have attempted to register a backup copy without making and registering the associated primary copy.</td>
<td>Check your COPYDDN and RECOVERYDDN options. Also check the settings of REGALL, COPYDDN1, COPYDDN2, COPYDDN3, and COPYDDN4 installation options. Modify your COPY command or installation options so that you do not register a backup copy without registering the associated primary copy. See Chapter 3 and Appendix A for more information.</td>
</tr>
<tr>
<td>BMC47327E</td>
<td>REGISTER ddname IS NEITHER A COPYDDN NOR RECOVERYDDN</td>
<td>You specified a ddname which neither matches a ddname in the COPYDDN option nor matches a ddname in the RECOVERYDDN option.</td>
<td>Correct the options. Then submit the job again.</td>
</tr>
<tr>
<td>BMC47328W</td>
<td>NO RECOVERY COPY MADE. COPY PENDING NOT RESET</td>
<td>The DB2 subsystem is designated as a recovery site but no copies were made and registered as recovery site copies. The table space is in copy pending status and will remain so until a recovery site copy is made and registered. A return code of 4 is set.</td>
<td>Make a full image copy and register it as a recovery site copy.</td>
</tr>
<tr>
<td>BMC47329E</td>
<td>MUST REGISTER INCREMENTAL FOR CURRENT SITE TYPE - type</td>
<td>You are registering incremental copies only for a site type other than the current type.</td>
<td>Change the request to register at least one copy of the current site type.</td>
</tr>
<tr>
<td>BMC47330W</td>
<td>UNABLE TO RESET STATUS FOR databaseName.tableSpaceName. SPACE IN USE</td>
<td>Either NEW/RESET or TERM/RESET restart parameters were selected, but the table space is currently in use by another BMC utility. COPY PLUS cannot therefore reset the table space status. A return code 4 is set.</td>
<td>Wait for the other utility to complete and then restart the table space manually using the DB2 START command.</td>
</tr>
</tbody>
</table>
**BMC47331I**  
**SPACE databaseName.tableSpaceName PART partNum STATUS RESET TO status**

*Explanation:* Either the NEW/RESET or the TERM/RESET restart parameters were selected and COPY PLUS started the named space in the given status.

*User response:* No action is required. This message is for information only.

**BMC47333E**  
**SUBTASK subtaskNumber WAS UNABLE TO ALLOCATE A DB2 PLAN**

*Explanation:* Each COPY PLUS subtask uses a DB2 thread and there was not a DB2 thread available for this task.

*User response:* Either decrease the number COPY PLUS tasks or increase the number of DB2 threads, and submit the job again.

**BMC47334E**  
**SPACE databaseName.tableSpace CANNOT BE COPIED. CHECK MESSAGES**

*Explanation:* An error was reported by the IBM copy program.

*User response:* Check the accompanying messages and correct the errors reported. Then submit the job again.

**BMC47335E**  
**SQUEEZE ERROR = errorNumber, PAGE = pageNumber**

*Explanation:* A data integrity error was detected while squeezing the holes from the indicated page.

*User response:* Print the page using DSN1PRNT to determine the problem.

**BMC47336I**  
**DB2 ERROR -911 HAS CAUSED RE-UPDATE OF SYSCOPY**

*Explanation:* An SQL -911 error caused SYSCOPY registration transactions to be rolled back. A retry was attempted.

*User response:* No action is required. This message is for information only.

**BMC47337E**  
**versionNumber VERSION DOES NOT SUPPORT SPACES GT 4G**

*Explanation:* This version of COPY PLUS does not support spaces with DSSIZE greater than 4G.

*User response:* Submit this job with COPY PLUS version 6.2 or later for support for DSSIZE greater than 4G.

**BMC47338E**  
**UNABLE TO RESET STATUS FOR databaseName.tableSpaceName PART partNumber**

*Explanation:* Either NEW/RESET or TERM/RESET restart parameters were selected, but the named space cannot be restarted in its original status. A DB2 -DISPLAY USE message follows to show the current status and the users of the space.

*User response:* If the space is in stop pending (STOPP) status, wait for it to become stopped (STOP) before submitting the job again. Resolve any other problems before submitting the job again.
OPTIONS option1 AND option2 ARE INCOMPATIBLE

Explanation: The syntax options option1 and option2 found in the SYSIN data set are incompatible.

User response: Correct the syntax to use a valid combination of options and then submit the job again. See Chapter 3 of the COPY PLUS Reference Manual for detailed information about syntax options.

PAGES OUT OF SEQUENCE. CURRENT = X'pageNumber1', PREVIOUS = X'pageNumber2'

Explanation: While making a copy of an image copy, COPY PLUS detected pages out of sequence in the input copy.

User response: Use DSN1PRNT to print the pages from the input image copy in case they are needed for problem solving. Then make a regular full image copy of the table space.

DIRTY BIT ON IN IMAGE COPY AT PAGE X'pageNumber'

Explanation: While making a copy of an image copy, COPY PLUS detected the PGDIRTY bit on in the PGFLAGS field of a page on the input image copy. This should not occur.

User response: Make a regular full image copy of the table space.

SNAPSHOT ERROR: ID = ssid FUNCTION = function, RC = returnCode, REASON = reasonCode

Explanation: COPY PLUS received a nonzero return code from the XBM subsystem ssid on the function shown. COPY PLUS will follow this message with another to translate the error if possible. COPY PLUS may have been able to complete the copy regardless of the error.

User response: Check the following COPY PLUS message.

ENCOUNTERED UPDATED PAGE X'pageNumber', RBA = X'rba'

Explanation: COPY PLUS encountered a page that had been updated since the beginning of the copy process. The page and log RBA of the update are shown in the message. If you used CONCURRENT REQUIRED, the copy will terminate. If you used CONCURRENT PREFERRED, the copy will continue. Related messages will follow.

User response: Check other messages to determine why consistency was lost.

SNAPSHOT function FOR DATASET dataSetName

Explanation: The XBM function function for the data set dataSetName was performed. This message is issued only for MSGLEVEL(1) or higher.

User response: No action is required. This message is for information only.
BEGINNING GROUP INITIALIZATION COMMAND NBR number

Explanation: Group initialization is beginning at the command number shown.

User response: No action is required. This message is for information only.

databaseName.tableSpaceName (n) CHANGED TO SHRLEVEL CHANGE

Explanation: The table space and data set shown were changed from SHRLEVEL CONCURRENT to SHRLEVEL CHANGE due to the inability to obtain or maintain consistency. CONCURRENT PREFERRED is used. Also, if CHECKTSLEVEL 2 was used, it is changed to CHECKTSLEVEL 1.

User response: No action is required. This message is for information only.

BEGINNING INITIALIZATION FOR databaseName.tableSpaceName (n), COMMAND NBR number

Explanation: Initialization of the table space and data set shown is beginning.

User response: No action is required. This message is for information only.

OPTION option NOT ALLOWED FOR SPECIAL SPACES

Explanation: The option shown is not supported for the three special table spaces in the DB2 catalog (DB2 version 7 or later).

User response: Modify the command statement syntax.

SNAPSHOT STATISTIC: statistic = value

Explanation: XBM reported the statistic and value shown.

User response: No action is required. This message is for information only.

COPY IMAGECOPY NOT SUPPORTED FOR THE DB2 VERSION

Explanation: COPY PLUS does not support COPY IMAGECOPY for the version of DB2 installed in your system.

User response: Install DB2 2.3 or later to use COPY IMAGECOPY.

IMAGE COPY NOT FOUND FOR databaseName.tableSpaceName dsNum

Explanation: No entry was found in SYSIBM.SYSCOPY for the space and RBA given in the COPY IMAGECOPY statement.

User response: Check the syntax in the COPY IMAGECOPY statement and the entries in SYSIBM.SYSCOPY.

IMAGE COPY NOT FOUND FOR databaseName.tableSpaceName dsNum

Explanation: No entry was found in SYSIBM.SYSCOPY for the space and RBA given in the COPY IMAGECOPY statement.

User response: Check the syntax in the COPY IMAGECOPY statement and the entries in SYSIBM.SYSCOPY.
BMC47352E  IMAGE COPY ALREADY EXISTS WITH ICBACKUP xx ATRBA hexRBA

Explanation: An attempt was made to make a copy of icbackup type xx where xx is LP, LB, RP, or RB. However, a copy already exists with the specified RBA.

User response: Check the syntax in the COPY IMAGECOPY statement and the entries in SYSIBM.SYSCOPY.

BMC47353E  COPY IMAGECOPY NOT SUPPORTED FOR databaseName.tableSpaceName

Explanation: COPY PLUS does not support COPY IMAGECOPY for the “special case” table space shown.

User response: Use the COPY command to make the copies you require.

BMC47354E  COPY IMAGECOPY NOT ALLOWED FOR DFSMS COPY

Explanation: A request was made to copy a DFSMS Concurrent Copy using COPY IMAGECOPY. COPY IMAGE COPY does not support DFSMS copies.

User response: Remove the unsupported copy from your space specification.

BMC47355E  GROUP YES IS REQUIRED WHEN USING TASK nn

Explanation: You designated a specific TASK nn in the COPY statement that requires you to specify GROUP YES as well.

User response: Add GROUP YES to the COPY statement and resubmit your job.

BMC47356E  OPTION option IS NOT SUPPORTED FOR COPY IMAGECOPY

Explanation: COPY PLUS does not support this option for the COPY IMAGECOPY command.

User response: Remove the option from the COPY IMAGECOPY statement and submit the job again.

BMC47357I  DETECTED SWITCH TO DASD DEVICE FOR ddname - IF ON, STACKING WILL BE TURNED OFF

Explanation: During dynamic tape stacking, COPY PLUS detected that the device allocated is disk. The ddname is shown in the message. This situation usually occurs when you use IBM's TMM (Tape Mount Management) software. COPY PLUS discontinues stacking procedures.

User response: No action is required. This message is for information only.

BMC47358I  SKIPPING WORK FILE TABLE SPACE databaseName.tableSpaceName

Explanation: The utility does not create image copies of table spaces defined in a work file data base. The space identified is skipped.

User response: No action is required. This message is for information only.
OPTION IS NOT ALLOWED FOR 'REALDD'

Explanation: An option was used in the SYSIN data set that is invalid when you specify stacked tape (STACK YES) and use the REALDD option.

User response: Remove the unsupported options or do not use REALDD for tape stacking.

XBM IS NOT ACTIVE

Explanation: The XBM subsystem specified in the SYSIN data set is not active.

User response: Check the XBM subsystem ID and then start XBM.

HIGH USED RBA FROM SNAPSHOT IS ZERO

Explanation: During a Snapshot Copy, COPY PLUS detected an error condition with the data set information in the XBM communication block.

User response: Check previous messages issued by COPY PLUS that indicate a problem with the utility initialization.

ILLEGAL CHARACTER(S) 'characters' FOR keyword/value

Explanation: COPY PLUS found an illegal character or characters that does not meet syntax rules for the keyword or value shown.

User response: Check the syntax and make corrections.

XBM UTILITY MONITOR INTERFACE {CONNECT | DISCONNECT}

Explanation: COPY PLUS has connected or disconnected to the XBM Utility Monitor.

User response: No action is required. This message is for information only.

XBM UTILITY MONITOR INTERFACE {CONNECT | DISCONNECT} FAILED

Explanation: COPY PLUS is unable to connect to the XBM Utility Monitor. The copy will continue but the monitor will not be able to display COPY PLUS information.

User response: Check that an XBM identifier, XBMID, has been specified as either an install option, an OPTIONS command option or, in the case of a SHRLEVEL CONCURRENT copy command, a COPY command option. Add XBMID if it is missing. Check to be sure that the specified XBM subsystem is running. Start the XBM subsystem if it is not running.

MULTI-VOLUMES NOT ALLOWED FOR REALDD WHEN STACKING

Explanation: COPY PLUS detected that explicit volumes were coded on the REALDD statement. COPY PLUS does not support coding volume names on a REALDD statement.

User response: Remove the VOL=SER keyword from the DD identified by REALDD.
**BMC47368E** FULL AUTO OR CHANGELIMIT IS REQUIRED FOR SECONDARY FULL COPY OPTIONS

*Explanation:* FULLDDN, FULLDSN, FULLRECDDN, and FULLRECDSN require FULL AUTO or CHANGELIMIT.

*User response:* Use the FULL AUTO or CHANGELIMIT option.

**BMC47369E** REALDD NAME 'name' ALREADY USED

*Explanation:* The name in quotes was used in more than one OUTPUT statement.

*User response:* Change the OUTPUT statements so that each specifies a unique name and resubmit the job.

**BMC47371E** USER DOES NOT HAVE SNAPSHOT AUTHORIZATION

*Explanation:* The user does not have authorization through XBM to use the XBM Snapshot component.

*User response:* See the BMC EXTENDED BUFFER MANAGER product documentation for XBM Snapshot authorization requirements.

**BMC47372E** XBM ABEND OR UNEXPECTED XBM ERROR OCCURRED

*Explanation:* XBM experienced an abend or an unexpected error occurred when processing a request from COPY PLUS.

*User response:* Contact BMC Customer Support.

**BMC47373W** SNAPSHOT NOT RESTARTABLE. STARTING COPY IN INIT PHASE.

*Explanation:* COPY PLUS was unable to restart the SHRLEVEL CONCURRENT copy and is starting the copy in the INIT phase.

*User response:* No action is required.

**BMC47374I** INSTANT SNAPSHOT COPY dataSetName

*Explanation:* This message displays the data set name of an Instant Snapshot copy for which registration information has been changed. Subsequent messages further clarify the change.

*User response:* No action is required.

**BMC47375I** REGISTRATION CHANGED FROM oldIcbackup to newIcbackup

*Explanation:* This message indicates that the ICBACKUP value in the BMXCOPY table for the Instant Snapshot copy identified in a previous BMC47374I message has been changed during a COPY IMAGECOPY operation. Both the old and new values are displayed.

*User response:* No action is required.
REGISTRATION DELETED

Explanation: This message indicates that the registration information in the BMCXCOPY table for the Instant Snapshot copy identified in a previous BMC47374I message has been removed. Only the BMCXCOPY registration is affected. The Instant Snapshot data set remains cataloged.

User response: No action is required.

DEFERRED INITIALIZATION MESSAGES FOLLOW:

Explanation: A multitasking copy has failed and messages generated by COPY PLUS subtasks that have not yet been displayed are displayed following this message.

User response: Use the messages to help determine the reason for the failure.

XBM REPORTED NO PAGES READ BY productName

Explanation: XBM statistics indicated that no reads were generated by the productName given for the data set. If no other problems are reported, this is a warning. A return code 4 will be issued and the copy will be successful.

User response: This message indicates a possible problem with the XBM system. Check the XBM message log for errors.

SNAPSHOT ERROR: xbmMessageText

Explanation: XBM has experienced an error and has passed the message text to COPY PLUS for output.

User response: Take corrective action appropriate to the XBM error reported. See the complete error message and text in the XBM Started Task system log. If necessary, contact BMC Customer Support.

DYNAMIC ALLOCATION - ACTUAL DDNAME ddname

Explanation: The actual ddname assigned by dynamic allocation is shown for identification.

User response: No action is required. This message is for information only.

CANNOT ALLOC ddname, ECODE = eeeex, ICODE = iiiiX

Explanation: An error was reported during dynamic allocation. An explanation can be found in the JESMSGLG and JESYSMSG files. For an explanation of the ECODE and ICODE values, refer to the MVS/ESA Programming: Authorized Assembler Services Guide. A common cause of this error is that the table space is archived.

User response: Review the error message explanation and take appropriate action.
**BMC47382I**

**RETRY DISP = old/new - DSN: dataSetName**

**Explanation:** If RETRY DISP=NEW is specified and fails, BMC47308 is issued. If RETRY DISP=OLD is specified and fails, RETRY DISP=NEW is attempted.

**User response:** No action is required. This message is for information only.

**BMC47383I**

**SPACE - dataSetName(pri, sec) MAX 4K/PAGES(ppp) PAGESIZE(pgsizeK)**

**Explanation:** The values pri and sec are the primary and secondary space requirements for the output data set dataSetName. If you do not provide these values with the SPACE option, they are based on the MAX 4K/PAGES value (ppp) calculated by examining the input table space. See the product documentation for information about the SPACE option.

**User response:** No action is required. This message is for information only.

**BMC47384I**

**CATALOG DSN: dataSetName SEQ: nn**

**Explanation:** When you stack output copies to tape, each output copy is cataloged by COPY PLUS at the end of each copy. This message tells you the name of the data set (dataSetName) and its file sequence number (nn).

**User response:** No action is required. This message is for information only.

**BMC47385I**

**VOLUMES: volids**

**Explanation:** volids is the list of volumes of the cataloged data sets identified in message BMC47384.

**User response:** See previous message, BMC47384.

**BMC47386E**

**OPTION option REQUIRED**

**Explanation:** The option shown is required but was not specified in the SYSIN data set.

**User response:** Modify your syntax to include the option shown.

**BMC47387E**

**DO NOT MIX OUTPUT TYPES WHEN STACKING**

**Explanation:** When writing your output copies to a stacked tape, you cannot mix the types of output. For example if the first output to a stacked tape output descriptor is the local primary copy, then all other uses of that output descriptor must be for local primary copies.

**User response:** Check your COPYDDN and RECOVERYDDN options for correct usage of output descriptor names when stacking copies to tape. See the product documentation for more information.

**BMC47388E**

**'option' NOT ALLOWED FOR SPECIFIED DEVICE TYPE**

**Explanation:** The option shown is not allowed for the device type.

**User response:** Review the syntax and modify the syntax as needed for the device type in use.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message Description</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC47389E</td>
<td>DSN OR GDG INVALID: <code>dataSetName</code></td>
<td>The name of the data set <code>dataSetName</code> is incorrectly formatted.</td>
<td>Check the use of symbolic variables, correct any problems, and then submit the job again.</td>
</tr>
<tr>
<td>BMC47390I</td>
<td>WILD CARD SELECTION: `{TABLE</td>
<td>INDEXSPACE}<code> </code>databaseName.tableSpaceName`</td>
<td>Wildcard selection was used for space specification in a COPY TABLESPACE or INDEXSPACE statement. The name of the actual space being currently used is shown in this message.</td>
</tr>
<tr>
<td>BMC47391I</td>
<td>NONE FOUND FOR WILD CARD - <code>databaseName.tableSpaceName</code></td>
<td>No space names were found for the specified pattern. Note that if you used <code>%</code> (percent) as the wildcard character, it will have been changed to an <code>*</code> (asterisk) symbol.</td>
<td>Determine if your pattern is correct. Change the space specification as needed and submit the job again.</td>
</tr>
<tr>
<td>BMC47392E</td>
<td>INVALID DSNAME - <code>reason</code></td>
<td>The parser encountered an invalid data set name. A description of the specific problem is in the <code>reason</code> part of the message.</td>
<td>Review the syntax and correct the data set name specification.</td>
</tr>
<tr>
<td>BMC47393E</td>
<td>CANNOT CATALOG <code>dataSetName</code> - CATALOG RC = <code>returnCode</code></td>
<td>An error occurred while trying to catalog the stacked tape output data set <code>dataSetName</code>. The return code in the message is from the catalog function. The COPY PLUS execution return code will be set to 04.</td>
<td>Correct the error and submit the job again. You may have to manually catalog the output tape.</td>
</tr>
<tr>
<td>BMC47394I</td>
<td>SPECIAL TABLESPACES WILL NOT BE INCLUDED</td>
<td>The special wildcard string DB2CATALOG (or <code>!DB2.CATALOG</code>) was used to specify DB2 catalog and directory spaces in a COPY IMAGECOPY statement. The “special case” table spaces DSNDB01.SYSUTILX, DSNDB01.DBD01 and DSNDB06.SYSCOPY are excluded from the selection list. See the product documentation for more information.</td>
<td>No action is required. This message is for information only.</td>
</tr>
<tr>
<td>BMC47395E</td>
<td><code>dataSet</code> ALREADY EXISTS IN ICF CATALOG</td>
<td>The data set name shown already exists in the ICF catalog so it cannot be used to make another cataloged image copy. This message will only</td>
<td></td>
</tr>
</tbody>
</table>
be issued if the image copy will be cataloged, and you are using dynamic allocation and stacked tape.

User response: Change the data set name using the COPYDSN, RECOVERYDSN, or DSNAME options.

**BMC47396E**  
'DBNAME.TSNAME' FORMAT REQUIRED FOR EXCLUDE WILDCARD

*Explanation:* Each table space specification must include the database part of the name.

*User response:* Ensure that all of the spaces specified by EXCLUDE are in the form dbname.tspace and then restart the job.

**BMC47397E**  
CANNOT EXCLUDE WHILE DB2CATALOG IN USE

*Explanation:* The special wildcard string DB2CATALOG (or !DB2.CATALOG) cannot be used when EXCLUDE is used.

*User response:* Remove the DB2CATALOG (or !DB2.CATALOG) wildcard string and then restart the job.

**BMC47398W**  
ERROR RUNNING IDCAMS - REASON reasonCode

*Explanation:* An error occurred while running IDCAMS.

*User response:* Refer to the IDCAMS error message that precedes this message to determine how to fix the error.

**BMC47399I**  
TOTAL TIME FOR operations IS hh:mm:ss

*Explanation:* The message shows total time spent waiting for the indicated operations to complete.

*User response:* No action is required. This message is for information only.

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**Messages BMC47400 through BMC47499**

For the COPY PLUS for DB2 product, this topic explains each message in the designated range.

**BMC47400E**  
INTERPAGE CHECKING IS INVALID DUE TO text

*Explanation:* Interpage checking is not valid in this environment.

*User response:* Change the SYSIN syntax to meet the requirements described in the product documentation, and rerun the copy job.

**BMC47401I**  
INVALID STATUS status DETECTED FOR DATA SHARING MEMBER memberName

*Explanation:* COPY PLUS has detected an invalid status for the data sharing member indicated during a SHRLEVEL CHANGE copy. The utility will
proceed with the copy, but cannot verify that there are no unexternalized updates on this member subsystem. The step ends with condition code 4.

*User response:* If the member is currently in use, please contact BMC Customer Support. If COPY PLUS fails to detect unexternalized updates on an active member subsystem, the copy may be registered at an invalid LRSN. If the member is no longer in use, no action is required.

**BMC47402I**

**DBA ERROR: RC1 = returnCode1, RC2 = returnCode2, REASON = reasonCode**

*Explanation:* This message is issued if REASON=253. Because PER tracing is active for DB21DBM1, RBDP cannot be set for space.

*User response:* Disable any PER slip traps. Contact BMC Customer Support if you receive any other reason codes.

**BMC47403U**

**UNRESOLVED SEGMENT ENTRIES**

*Explanation:* COPY PLUS found one or more segment entries that are not part of a valid segment entry chain.

*User response:* Take steps to recover or repair the object and submit the job again.

**BMC47404U**

**UNRESOLVED OVERFLOW/POINTER RECORDS**

*Explanation:* COPY PLUS found one or more overflow records without a matching pointer record and/or one or more pointer records without a matching overflow record.

*User response:* Take steps to recover or repair the object and submit the job again.

**BMC47405E**

**SLCHGQSC OPTION DISALLOWS QUIESCE UTILITY**

*Explanation:* While making a SHRLEVEL CHANGE image copy, the utility determined that a quiesce was required to ensure proper image copy registration. However, the setting of the SLCHGQSC option indicated that a quiesce should not be performed.

*User response:* A previous BMC30543I message may further explain why the quiesce was necessary. If not or if the condition described in BMC30543I still exists and cannot be corrected, re-run the job with the QUIESCE BEFORE option or change the value of SLCHGQSC to YES to allow the quiesce utility to execute.

**BMC47406U**

**INVALID FOSMNENT, PAGE X'pageNum'**

*Explanation:* The value in the FOSMNENT field of page X'pageNum' is incorrect. FOSMNENT added to the space map page number equals the maximum pages allowed in the data set. BMC47406 sets the return code to a value of CHECKERROR.

*User response:* Use DSN1PRNT to examine the page. Then take steps to recover or repair the object and submit the job again.
**BMC47408U**  
**PAGE X'pageNum' READ WITH I/O ERROR**  
*Explanation:* The PGCOMB field (at offset X'00') on the page shown in this message indicates that the page was read with an I/O error.  
*User response:* No action is required. This message is for information only.

**BMC47409E**  
**TOTAL PAGES numberOfPages DOES NOT AGREE WITH HPGHPREF hpghprefValue**  
*Explanation:* The utility detected that the number of pages in a nonpartitioned table space or index conflicts with the number of preformatted pages indicated by HPGHPREF in the header page. The utility does not perform this check during SHRLEVEL CHANGE copies and only performs it for DSNUM ALL copies. It is possible that one or more required data sets is missing or that a data set has become corrupted.  
*User response:* Verify that no required data sets are missing from the space. If no data sets are missing, contact BMC Customer Support.

**BMC47410E**  
**TRAIL IS value1, SHOULD BE value2, PAGE X'pageNum'**  
*Explanation:* The last byte of the page shown in this message does not match the value indicated in the PGCOMB field (at offset X'00').  
*User response:* Take steps to recover or repair the object and submit the job again.

**BMC47411E**  
**INCONSISTENT DATA FLAG, PAGE X'pageNum'**  
*Explanation:* The PGFLAGS field (at offset X'0B') on the page shown in this message indicates that the page contains inconsistent data.  
*User response:* No action is required. This message is for information only.

**BMC47412I**  
**PAGE X'pageNum' SPACEMAP IS OUT-OF-SYNC,'T' ROW INSERTED IN SYSCOPY**  
*Explanation:* On the page indicated in this message, COPY PLUS detected that the PGLOGRBA is greater than HPGCLRSN in the header page. This situation indicates that the page is dirty, but the corresponding dirty bit in the space map has not been set. Because SHRLEVEL CHANGE may create the illusion of this problem, COPY PLUS will add a T row to SYSCOPY only if the lowest PGLOGRBA found to be out-of-sync is lower than the registration START_RBA. After COPY PLUS inserts a T row into SYSCOPY, a subsequent incremental copy will escalate to a full image copy. If the copy is run with SHRLEVEL REFERENCE or SHRLEVEL NONE, and if it is a CUMULATIVE YES copy, it will also change to RESETMOD YES.  
*User response:* No action is required. This message is for information only.
**BMC47413E**  
**SPACEMAP ERROR: text**  
*Explanation:* This message indicates an internal error in space map page handling. The error is further identified in the text displayed.  
*User response:* Contact BMC Customer Support and provide the text of the error message.

**BMC47413W**  
**SPACEMAP ERROR: text**  
*Explanation:* This message indicates an internal error in space map page handling. The error is further identified in the text displayed.  
*User response:* Contact BMC Customer Support and provide the text of the error message.

**BMC47414I**  
**COPY BYPASSED DUE TO 'IXSIZE' OPTION**  
*Explanation:* The IXSIZE threshold was not met for making a copy. No copy will be made for the index.  
*User response:* No action is required. This message is for information only.

**BMC47415U**  
**HPGDBID IS x, CATALOG SHOWS y, PAGE X'pageNum'**  
*Explanation:* The HPGDBID field (at offset X'0C') on the header page does not match the DBID from the DB2 catalog. This may be due to copying the data set with DSN1COPY without translating the DBID.  
*User response:* Take steps to recover or repair the object and submit the job again.

**BMC47416U**  
**HPGPSID IS x, CATALOG SHOWS y, PAGE X'pageNum'**  
*Explanation:* The HPGPSID field (at offset X'0E') on the header page does not match the PSID from the DB2 catalog. This may be due to copying the data set with DSN1COPY without translating the PSID.  
*User response:* Take steps to recover or repair the object and submit the job again.

**BMC47417U**  
**PGFLAGS IN PAGE X'pageNum' INDICATES SEGMENTED SPACE MAP**  
*Explanation:* The PGFLAGS field (at offset X'0B') on the page shown in this message indicates that the page is a nonsegmented space map. The header page indicated a segmented table space.  
*User response:* Take steps to recover or repair the object and submit the job again.

**BMC47418U**  
**SENUM segmentNumber VS. SEGSIZE segmentSize INCORRECT, PAGE X'pageNum'**  
*Explanation:* The SENUM field (at offset X'0C') and the SEGSIZE (at offset X'0E') on the page shown above are not compatible.  
*User response:* Take steps to recover or repair the object and submit the job again.
BMC47419W  **MIGRATION COMMAND FAILURE - RC = returnCode, REASON = reasonCode**  
*Explanation:* The Hierarchical Storage Management (HSM) migration command reported a failure to COPY PLUS.  
*User response:* Verify that migration is valid for the specified table space.

BMC47420I  **MIGRATION INITIATED: databaseName.tableSpaceName**  
*Explanation:* Hierarchical Storage Management (HSM) migration started for the space identified by `databaseName.tableSpaceName`.  
*User response:* No action is required. This message is for information only.

BMC47421U  **INVALID SEGMENT CHAIN, PAGE X'pageNum'**  
*Explanation:* COPY PLUS found an error in the segment entry chain on the page shown above.  
*User response:* Take steps to recover or repair the object and submit the job again.

BMC47422U  **INCORRECT SEGFREE, PAGE X'pageNum'**  
*Explanation:* The value in the SEGFREE field (at offset X'10') in the space map on the page number shown above does not match the number of free segment entries found.  
*User response:* Take steps to recover or repair the object and submit the job again.

BMC47423I  **COPY BYPASSED DUE TO NO OPEN LOG RANGE**  
*Explanation:* During COPY PLUS SYSLGRNX analysis, COPY PLUS found no open log ranges and bypassed making a copy.  
*User response:* No action is required. This message is for information only.

BMC47424U  **INCORRECT SEGENT, PAGE X'pageNum', 1ST FREE ENTRY AT value1, ERROR ENTRY AT value2**  
*Explanation:* COPY PLUS encountered a free segment entry before the entry indicated by the value in the SEGENT field (at offset X'12') in the space map on the page number shown above.  
*User response:* Take steps to recover or repair the object and submit the job again.

BMC47425I  **type SNAPSHOT START FOR DATASET dataSetName**  
*Explanation:* This message indicates that the utility has successfully executed a Snapshot Start for the data set indicated. The possible values for `type` are  
- SOFTWARE--XBM is using software caching to create a snapshot copy.  
- DATASET--XBM has used intelligent hardware support to create a data set snapshot copy.
- **HARDWARE**--XBM has used other intelligent hardware features to effect the snapshot copy performed.

This message is issued only for MSGLEVEL(1) or higher.

*User response:* No action is required. This message is for information only.

**BMC47426I**  
**SKIPPING TEMPORARY TABLE SPACE **databaseName.tableSpaceName**

*Explanation:* The utility does not create image copies defined in a temporary database. The space identified is skipped.

*User response:* No action is required. This message is for information only.

**BMC47427E**  
**feature IS NOT SUPPORTED**

*Explanation:* The feature specified in the message is not supported in this release of COPY PLUS.

*User response:* Do one of the following:

- If the feature is supported by the IBM DB2 COPY utility, use that utility until the feature is available in COPY PLUS.
- Rewrite your COPY PLUS commands to avoid using this feature.
- Use the COPY PLUS ON ERROR NOTSUPPORTED SKIP option.

**BMC47427I**  
**property IS NOT SUPPORTED**

*Explanation:* The DB2 feature specified in the message is not supported in this release of COPY PLUS and will be ignored.

*User response:* No action is required. This message is for information only.

**BMC47428I**  
**RESETTING REALTIME STATISTICS**

*Explanation:* COPY PLUS is resetting real time statistics.

*User response:* No action is required. This message is for information only.

**BMC47429I**  
**system/DB2Subsystem : logPoint (FROM HPGRBRA)**

*Explanation:* While analyzing a SHRLEVEL CHANGE request in a data sharing environment, COPY PLUS acquired the HPGRBRA value of a table space or index and will consider its use in registration. In this case, there was at least one failed data sharing member and the program was unable to determine whether or not any retained locks exist. The DISPLOCK YES option is required to detect the presence or absence of retained locks when a member subsystem is in FAILED status.

*User response:* If the product is able to use the value printed to register the copy, no further action is required. If the value precedes a SYSCOPY event that causes COPY PLUS to invoke the quiesce utility, it may be desirable to execute this request with the DISPLOCK YES option to try to avoid the quiesce.
**BMC47430E**  
**UTILITY FOR PARTITION partitionNumber INVALIDATES COPY**

*Explanation:* If you are using COPY PLUS to make a DSNUM ALL copy of a partitioned space, COPY PLUS checks the status of each partition just before registration. If the status is UTUT or RECP, COPY PLUS ends with an error because it detects that a load or reorg utility ran during the copy. If there is no invalid status, COPY PLUS checks to see if any SYSCOPY rows for LOG NO events were inserted after the log point COPY PLUS selected for registration. If either of the two conditions above is encountered, COPY PLUS ends with this message.

*User response:* Rerun the copy job.

**BMC47431I**  
**databaseName.tableSpaceName DID NOT QUALIFY FOR RANGE SELECTION**

*Explanation:* The indicated table space was included in the set of objects to be copied, but the table space did not have any data sets that matched the range of data sets indicated by the DSNUM syntax.

*User response:* No action is required. This message is for information only.

**BMC47432I**  
**LOGICAL PART range MAPS TO DSNUM range**

*Explanation:* COPY PLUS syntax specifies to copy a logical range of data set numbers. This message indicates how the logical data set numbers translate to the real or physical data set numbers. Logical and physical data set ranges may wrap around. DSNUM 24:3 specifies to begin with data set 24 and include all data sets from that point through the last data set of the partitioned space, and then continue with data set 1, until data set 3 has been included in the range set.

*User response:* No action is required. This message is for information only.

**BMC47433U**  
**PGFLAGS IN PAGE X'pageNum' INDICATES NONSEGMENTED SPACE MAP**

*Explanation:* The PGFLAGS field (at offset X'0B') on the page shown above indicates that the page is a nonsegmented space map. The header page indicated a segmented table space.

*User response:* Take steps to recover or repair the object and submit the job again.

**BMC47434W**  
**BYPASSING INCREMENTAL COPY FOR databaseName.tableSpaceName**

*Explanation:* COPY PLUS bypasses the incremental copy rather than fail when a quiesce is required for a valid registration but SLCHGQSC=NO. If SLCHGQSC=YES, COPY PLUS will still execute the quiesce utility if it is required.

*User response:* If you do not want for COPY PLUS to bypass the incremental copy, change to SLCHGQSC=YES, which will result in a quiesce and proceed with the copy.
**COPY PENDING RESET AND LEFT IN REORP STATUS**

*databaseName.tableSpaceName*

*Explanation:* The target table space or index space has been reset to copy pending status and has been left in REORP status.

*User response:* Run the REORG utility (either the IBM REORG utility or the BMC REORG PLUS product) to take it out of REORP status. Then resubmit the job that produced this message.

**PAGE X'pageNum' MARKED AS HASH**

*Explanation:* The page shown above, in a non-system table space, was marked as a hash page. Hash pages are valid only in system table spaces.

*User response:* Take steps to recover or repair the object and submit the job again.

**LARGE HOLE CHAIN ERROR, PAGE X'pageNum'**

*Explanation:* An error was found in the large hole chain on the page shown above.

*User response:* Take steps to recover or repair the object and submit the job again.

**INCORRECT PGSID IN RID x, OFFSET x**

*Explanation:* The PGSID field in the RID and offset shown above does not match the ID map.

*User response:* Take steps to recover or repair the object and submit the job again.

**INVALID PGFREEP x, PAGE X'pageNum'**

*Explanation:* The value shown above for PGFREEP (at offset X'0E') is larger than the page size for the page shown above.

*User response:* Take steps to recover or repair the object and submit the job again.

**REQUESTED INITIALIZATION COMPLETE FOR UTILID utilityName**

*Explanation:* This message indicates that INIT PAUSE processing associated with SHRLEVEL CONCURRENT syntax is complete for the indicated utility name. BMC47443 follows this message.

*User response:* No action is required. This message is for information only.

**RESTART WILL RESUME PROCESSING**

*Explanation:* This message is a continuation of BMC47442 and indicates that you should restart the job to resume COPY PLUS after the interruption.

*User response:* Resubmit job with NEW/RESTART or RESTART.
**BMC47444E**  SHRLLEVEL CONCURRENT 'INIT PAUSE' SUPPORTED FOR ONE GROUP

*Explanation:* Only one occurrence of INIT PAUSE may appear in a COPY PLUS step.

*User response:* Limit syntax to one INIT PAUSE. Other COPY PLUS statements may appear after the INIT PAUSE statement.

**BMC47445I**  PRIOR RESETMOD YES COPY PREVENTS CUMULATIVE YES PROCESSING; SWITCHING TO CUMULATIVE NO

*Explanation:* COPY PLUS switches the value of CUMULATIVE YES to NO when a preceding RESETMOD YES prevents such processing.

*User response:* No action is required. This message is for information only.

**BMC47446I**  MOD BITS ARE UNRELIABLE FOR *databaseName.tableSpaceName(part)*

*Explanation:* This message indicates that the table space has been changed from TRACKMOD NO to TRACKMOD YES, which renders the mod bits unreliable until a FULL YES RESETMOD YES image copy is made.

*User response:* No response is necessary. This message is for information only.

**BMC47447U**  INCORRECT PGSOWRID *x*, PAGE X'pageNum', RID *x*

*Explanation:* No overflow record was found with the PGSOWRID from the RID and page shown above.

*User response:* Take steps to recover or repair the object and submit the job again.

**BMC47448U**  ZERO LENGTH IN RID *x*, PAGE X'pageNum'

*Explanation:* The RID shown above has a zero length (at offset X'01' within the RID) for the page shown above.

*User response:* Take steps to recover or repair the object and submit the job again.

**BMC47449U**  INVALID PGHFLAGS IN RID *x*, PAGE X'pageNum'

*Explanation:* An invalid value for the PGHFLAGS field was found in the RID and page shown above.

*User response:* Take steps to recover or repair the object and submit the job again.

**BMC47450U**  MODIFIED FLAG ON IN PAGE X'pageNum', OFF IN MAP PAGE X'pageNum'

*Explanation:* The PGDIRTY bit is ON in the PGFLAGS field (at offset X'0B') of the page shown above, but the corresponding bit in the modified-page indicator area of the space map shown above is OFF.

*User response:* Run a new copy job specifying RESETMOD YES FULL YES.
**BMC47451U**  
**BROKEN FREE CHAIN IN PAGE X'pageNum' AT OFFSET X'offset'**  
*Explanation:* An error was found in the free chain on the page shown above at the offset indicated.  
*User response:* Take steps to recover or repair the object and submit the job again.

**BMC47452U**  
**INCORRECT PGMAXID IN PAGE X'pageNum', ROWS = n FREE = n**  
*Explanation:* The value of the PGMAXID field (at offset X'12') was not equal to the number of allocated rows plus the number of free rows.  
*User response:* Take steps to recover or repair the object and submit the job again.

**BMC47453E**  
**BLKSIZE blockSize EXCEEDS BLKSIZE LIMIT OF blockSizeLimit**  
*Explanation:* The block size is larger than the block size limit.  
*User response:* Use a smaller block size.

**BMC47454U**  
**INCORRECT MAP ID AT OFFSET X'offset' IN PAGE X'pageNum'**  
*Explanation:* The map ID at the offset on the page shown above does not match the PGSID to which it points.  
*User response:* Take steps to recover or repair the object and submit the job again.

**BMC47457E**  
**INCORRECT RBA1 X'hexValue': RBA2 X'hexValue' IN PAGE X'pageNum'**  
*Explanation:* The LRSN or log RBA given on the page shown above is higher than the current RBA. This may be due to one of the following:  
- Copying the data set with DSN1COPY without using the RESET parameter.  
- Starting a table space while COPY PLUS is making a copy of it.  
*User response:* Do one of the following:  
- Use the RESET parameter of DSN1COPY.  
- Start the COPY PLUS job again.

**BMC47458E**  
**THE BASE AND CLONE MAY NOT BE PROCESSED IN THE SAME GROUP**  
*Explanation:* COPY PLUS issues this message if you refer to a base space and its clone in the same COPY PLUS command. For example:

```sql  
COPY TABLESPACE ACPDB08.TS08U2  
   DSNUM 1  
COPYDDN (LOCAL)  
   TABLESPACE ACPDB08.TS08U2 CLONE  
   DSNUM 1  
COPYDDN (LOCAL)  
   FULL YES  
```
User response: Use separate COPY PLUS commands for the base and clone. Then resubmit the job.

**BMC47459U**

**BROKEN FREE CHAIN IN PAGE X'pageNum'**

*Explanation:* Free ID map entries were found on the page shown in this message. These entries were not part of the free chain.

*User response:* Take steps to recover or repair the object and submit the job again.

**BMC47460E**

**COLLECTING STATS FOUND INVALID PAGE X'pageNum'**

*Explanation:* COPY PLUS found a damaged page when RUNSTATS=YES is specified.

*User response:* Take steps to recover or repair the object and submit the job again.

**BMC47461U**

**ZERO PAGE - INVALID IN NONSEGMENTED TABLESPACE--EXPECTED PAGE X'pageNum'**

*Explanation:* COPY PLUS encountered an unexpected zero page (page X'pagenum') in a nonsegmented table space.

*User response:* Print the page and the associated space map using DSN1PRNT. If the DSN1PRNT output indicates there is data on the page and the copy was made using SHRLEVEL CHANGE, the updates to the table space that occurred while the copy was being made have now been written to DASD and no further action is required.

**BMC47462U**

**ZERO PAGE - EXPECTED PAGE X'pageNum'**

*Explanation:* COPY PLUS encountered a zero page in a segmented table space. The space map did not indicate the page shown in this message to be zero.

*User response:* Take steps to recover or repair the object and submit the job again.

**BMC47463I**

**BEGINNING LRSN ANALYSIS FOR databaseName.tableSpaceName DSNUM nnnn - nnnn**

*Explanation:* COPY PLUS issues this message when it begins LRSN analysis for a SHRLEVEL CHANGE image copy in data sharing. The DSNUM field is included only for partitioned spaces and may indicate a particular data set or a range of data sets. Other messages related to LRSN analysis may follow.

*User response:* No action is required. This message is for information only.

**BMC47464I**

*mvs/ssid: lrsn, FL= flag, RC= returnCode DSNUM nnnn**

*Explanation:* COPY PLUS issues this message to indicate that it found unexternalized updates for the object named in the previous BMC47463I message in a member subsystem.
- The **mvs** field displays the system ID where the member subsystem is executing.

- The **ssid** field displays the DB2 subsystem identifier of the member subsystem.

- The **lrsn** field displays an LRSN value that represents the last update written to DASD for the space or part.

- The **flag** field displays a hexadecimal flag value used by BMC Customer Support for problem diagnosis.

- The **returnCode** field displays a return code used by BMC Customer Support for problem diagnosis.

- The **DSNUM nnnn** field indicates that the message applies to a specific data set of a partitioned table space or index.

**User response:** No action is required. This message is for information only.

---

**BMC47465I**

**GROUP BUFFERPOOL CHECKPOINT ANALYSIS FOR groupBufferpoolName**

*Explanation:* This message indicates that one or more spaces was detected to be dependent on the group bufferpool indicated. Following this message, COPY PLUS uses message BMC47466I for each data sharing member.

*User response:* No action is required. This message is for information only.

---

**BMC47466I**

**mvs/ssid: lrsn nnnnn MINUTES OLD**

*Explanation:* This message displays an LRSN value that represents the last update written to DASD by the indicated data sharing member for the group bufferpool identified in the previous BMC47465I message. If COPY PLUS detects that the value is at least 10 minutes old, it also displays the MINUTES OLD field.

*User response:* No action is required. This message is for information only.

---

**BMC47467I**

**NO TABLES FOUND FOR databaseName.tableSpaceName, IGNORING STATS**

*Explanation:* Statistics will not be collected for this table space.

*User response:* No action is required. This message is for information only.

---

**BMC47468U**

**UNRESOLVED type RECORDS**

*Explanation:* At least one catalog ring or directory hash error was encountered.

*User response:* Review the SYSPRINT messages, correct the errors reported, and then submit the job again.
BMC47469U  
**SEGMENT: segment - obid . . . message**

*Explanation:* The next segment entry `segment` for the OBID `obid` was not found in the table space.

*User response:* Print the space map and review the contents. Take steps to recover or repair the object and submit the job again.

BMC47470U  
**type: rid . . . message**

*Explanation:* A hash, link, or data overflow pointer was unresolved as indicated by the text of the message.

*User response:* Take steps to recover or repair the object and submit the job again.

BMC47471U  
**HPGPARTN n DOES NOT MATCH CATALOG VALUE n**

*Explanation:* The partition number in the header page does not match the number indicated by the PARTITIONS column of the SYSIBM.SYSTABLESPACE table in the DB2 catalog.

*User response:* Use DSN1PRNT to print the header page to verify the value against the DB2 catalog. Repair or recover the page and then submit the job again.

BMC47472U  
**HPGPGSZ n DOES NOT MATCH CATALOG VALUE n**

*Explanation:* The page size indicated in the header page does not match the information PGSIZE column of the SYSIBM.SYSTABLESPACE table in the DB2 catalog.

*User response:* Use DSN1PRNT to print the header page to verify the value against the DB2 catalog. Repair or recover the page and then submit the job again.

BMC47473U  
**HOLES DO NOT AGREE WITH PGFREE FOR PAGE X'pageNum'**

*Explanation:* The size of the holes in the indicated page does not agree with the page header column PGFREE.

*User response:* Take steps to recover or repair the object and submit the job again.

BMC47474U  
**HPGSBSZ n INCONSISTENT WITH SEGSIZE n PAGE X'pageNum'**

*Explanation:* The segment size indicated in the header page does not match the segment size in the space map on the space shown. There is no impact on DB2 operation.

*User response:* Use DSN1PRNT to print the header page and the space map to verify the value against the DB2 catalog. Use REPAIR or REORG to correct the values and then submit the job again.
BMC47475U  DICTIONARY PAGE AT PAGE X'pageNum' BUT HPGZPNUM IS ZERO
Explanation: The header page indicated that there was not a dictionary in the space, but a dictionary page was found at the page number shown.
User response: Use DSN1PRNT to print the header page and the page shown to verify the value. Repair or recover the page and then submit the job again.

BMC47476U  DICTIONARY PAGE AT PAGE X'pageNum' IS BEYOND EXPECTED END
Explanation: A dictionary page was found at the page shown, but this was beyond the range of pages indicated by the HPGZPNUM and HPGZNUMP fields in the associated page header page.
User response: Use DSN1PRNT to print the header page and the page shown to verify the value. Repair or recover the page or space and then submit the job again.

BMC47477U  DICTIONARY PAGE NOT EXPECTED IN CATALOG OR DIRECTORY
Explanation: A dictionary page was found at the page number shown. This should not occur in the DB2 catalog or directory table spaces.
User response: Use DSN1CHKR to verify the problem. Repair or recover the space and then submit the job again.

BMC47478U  COMPRESSED DATA ON PAGE X'pageNum' BUT HPGZPNUM IS ZERO
Explanation: The data page shown contained a record marked as compressed data, but the associated header page indicated there was not a dictionary.
User response: Use DSN1PRNT to print the page and the header page. Repair or recover the space and then submit the job again.

BMC47479U  COMPRESSED DATA NOT EXPECTED IN CATALOG OR DIRECTORY
Explanation: A data page contained a record indicating it contained compressed data in a DB2 catalog or directory space. This condition should not occur.
User response: Use DSN1CHKR to verify the problem. Repair or recover the space and then submit the job again.

BMC47480U  HPGVCATN n DOES NOT MATCH CATALOG VALUE n
Explanation: The HPGVCATN value in the header page does not match the VCAT name found in the VCATNAME column of the SYSIBM.SYSTABLEPART table in the DB2 catalog. The cause is usually DSN1COPY. There is no impact on DB2 operation.
User response: Use DSN1PRNT to print the header page and compare it with the catalog value. Use REPAIR or REORG to correct the values and then submit the job again.
BMC47481E  **HPGRBRBA X'hexValue' IS BEYOND CURRENT LOG RBA X'hexValue'**

*Explanation:* The HPGRBRBA value is higher than the current log RBA or LRSN of the DB2 subsystem. This message is issued as a warning (severity indicator W) when COPY PLUS can switch the copy to SHRLEVEL CHANGE.

*User response:* Use DSN1PRNT to print the header page to verify the value. Repair or recover the page and then submit the job again.

BMC47481W  **HPGRBRBA X'hexValue' IS BEYOND CURRENT LOG RBA X'hexValue'**

*Explanation:* The HPGRBRBA value is higher than the current log RBA or LRSN of the DB2 subsystem. This message is issued as a warning (severity indicator W) when COPY PLUS can switch the copy to SHRLEVEL CHANGE.

*User response:* Use DSN1PRNT to print the header page to verify the value. Repair or recover the page and then submit the job again.

BMC47482U  **HPGTORBA X'hexValue' IS BEYOND CURRENT LOG RBA X'hexValue'**

*Explanation:* The HPGTORBA value is higher than the current log RBA or LRSN of the DB2 subsystem. This situation may be due to one of the following actions:

- Copying the data set with DSN1COPY without using the RESET parameter.
- Starting a table space while COPY PLUS is making a copy of it.

*User response:* Use DSN1PRNT to print the header page to verify the value. DB2 does not change the value of HPGTORBA during normal update operations--only during a RECOVER or REORG operation.

If starting the table space caused the error, start the copy job again. Otherwise, REORG or REPAIR the page.

BMC47483U  **FOUND numberOfPages DICTIONARY PAGES, EXPECTED numberOfPages**

*Explanation:* COPY PLUS found `numberOfPages` dictionary pages, but this count does not match the number indicated in the HPGZNUMP field of the header page.

*User response:* Use DSN1PRNT to print the header page and the first `numberOfPages`+2 pages to verify the value. Repair or recover the page or space and then submit the job again.

BMC47484U  **INCONSISTENCY BETWEEN HPGZPNUM X'hexValue' AND HPGZNUMP n**

*Explanation:* The fields shown from the header page were inconsistent in indicating whether or not dictionary pages exist in the space.

*User response:* Use DSN1PRNT to print the header page. Repair or recover the page or space and then submit the job again.
BMC47485U  INVALID HPGPGSZ VALUE n
Explanation: The HPGPGSZ value in the header page did not contain a valid value of either 4096, 8192, 16384, or 32768.
User response: Use DSN1PRNT to print the header page. Repair or recover the page or space and then submit the job again.

BMC47486U  INVALID HPGSGSZ VALUE n
Explanation: The HPGSGSZ value in the header page did not contain a valid segment size. Valid values are multiples of 4, from 0 to 64 inclusive.
User response: Use DSN1PRNT to print the header page. Repair or recover the page or space and then submit the job again.

BMC47487I  COPY PLUS TECHNOLOGY IS PROTECTED BY U.S. PATENTS 7,133,884 AND 7,769,718
Explanation: This message provides COPY PLUS patent information.
User response: No action is required. This message is for information only.

BMC47488E  HPGLEVEL X'hexValue' IS BEYOND CURRENT LOG RBA X'hexValue'
Explanation: The HPGLEVEL value is higher than the current log RBA or LRSN of the DB2 subsystem. This message is issued as a warning (severity indicator W) when COPY PLUS can switch the copy to SHRLEVEL CHANGE.
User response: Use DSN1PRNT to print the header page to verify the value. Repair or recover the page and then submit the job again.

BMC47488W  HPGLEVEL X'hexValue' IS BEYOND CURRENT LOG RBA X'hexValue'
Explanation: The HPGLEVEL value is higher than the current log RBA or LRSN of the DB2 subsystem. This message is issued as a warning (severity indicator W) when COPY PLUS can switch the copy to SHRLEVEL CHANGE.
User response: Use DSN1PRNT to print the header page to verify the value. Repair or recover the page and then submit the job again.

BMC47489E  HPGLLEVEL X'hexValue' IS BEYOND CURRENT LOG RBA X'hexValue'
Explanation: The HPGLLEVEL value is higher than the current log RBA or LRSN of the DB2 subsystem.
User response: Use DSN1PRNT to print the header page to verify the value. Repair or recover the page and then submit the job again.

BMC47490U  HPGCLRSN X'hexValue' IS BEYOND CURRENT LOG RBA X'hexValue'
Explanation: The HPGLRSN value is higher than the current log RBA or LRSN of the DB2 subsystem.
User response: Use DSN1PRNT to print the header page to verify the value. Repair or recover the page and then submit the job again.
**BMC47491I**  
COPYRIGHT BMC SOFTWARE INC. yearRange

*Explanation:* This message provides the BMC copyright message.

*User response:* No action is required. This message is for information only.

**BMC47492I**  
CONTACT BMC SUPPORT AT 1-800-537-1813 OR EMAIL TO SUPPORT@BMC.COM

*Explanation:* This message provides the BMC Customer Support telephone number and email address.

*User response:* No action is required. This message is for information only.

**BMC47493I**  
CANNOT SET 'NO REWIND', RC = reasonCode

*Explanation:* COPY PLUS cannot set the setting to prevent tape rewinding between copies that are made by the IBM COPY utility.

*User response:* No action is required. This message is for information only.

**BMC47494E**  
NUMBER OF COMMANDS (commandNumberAfterRestart) HAS CHANGED FROM (commandNumberPriorToRestart)

*Explanation:* COPY PLUS detected that the number of commands in the SYSIN data set is not the same as when the job failed or was cancelled, before this restart. This message may indicate that the same UTILID is being used for more than one job, and one of the jobs is in a failed status. (The number of commands is stored in COMMANDNO column of BMCUTIL.)

*User response:* Make sure that the commands in the SYSIN data set are the same for the restarted job and for the job before the restart.

**BMC47495I**  
CHECKING SYSLGRNX FOR databaseName.tableSpaceName(dsNum) - logRange

*Explanation:* This message indicates that COPY PLUS is performing SYSLGRNX analysis to detect any open log ranges with higher LRSNs than the base copy for this incremental copy. If COPY PLUS finds no open ranges, it bypasses the copy and issues BMC47423.

*User response:* No action is required. This message is for information only.

**BMC47496I**  
ESTIMATED (numberOfPages) PAGES, IXSIZE = (thresholdValue) PAGES

*Explanation:* The messages provides the estimated number of pages for an index copy and also provides the value that you specified for the IXSIZE threshold.

*User response:* No action is required. This message is for information only.
**BMC47497I**  
**SNAPSHOT STARTED - text**  
*Explanation:* COPY PLUS/XBM initialization is complete. *text* is the user message specified with the STARTMSG option in the COPY statement.  
*User response:* This message is written to the JES message log and may be used to initiate concurrent jobs. See the product documentation for more information. No action is required.

**BMC47498I**  
**OPTIMIZED COPY ENABLED USING XBMID xbmIDValue**  
*Explanation:* COPY PLUS will use the XBM specified by *xbmIDValue* to optimize some or all of the copies. This message is displayed after COPY PLUS has found an XBM that supports optimization.  
*User response:* No response is necessary. This message is for information only.

**BMC47499I**  
**PAGES HAVE BEEN CHECKED. NO ERRORS DETECTED.**  
*Explanation:* COPY PLUS checked page integrity either because you specified the CHECKTSLEVEL option in the COPY command or (if you did not specify CHECKTSLEVEL) the CHECKLVL installation option was set to CHECKLVL=1 or CHECKLVL=2. All pages in the data sets that were copied have been checked for structural integrity and no errors were found.  
*User response:* No action is required. This message is for information only.
Messages BMC73000 through BMC73999

This chapter describes messages for the EXTENDED BUFFER MANAGER (XBM) product and its associated SNAPSHOT UPGRADE FEATURE (SUF) technology.

Messages BMC73000 through BMC73099

This group includes messages for the EXTENDED BUFFER MANAGER product and its associated SNAPSHOT UPGRADE FEATURE technology.

**BMC73000I**

**UNKNOWN MESSAGE NUMBER = n**

*Explanation:* A message was issued that was not coded as a BMC message. This error is an internal error.

*User response:* Contact BMC Customer Support and report the message number.

**BMC73001E**

**UNEXPECTED ERROR n IN MODULE moduleName**

*Explanation:* This message indicates that an internal error has occurred.

*User response:* Contact BMC Customer Support.

**BMC73003E**

**UNABLE TO LOAD moduleName**

*Explanation:* XBM tried to load the specified module but either could not find it or there was not enough memory.

*User response:* If you cannot determine the cause of the problem, contact BMC Customer Support.

**BMC73004E**

**UNABLE TO ADD FUNCTION CODE n TO SSVT**

*Explanation:* This message indicates that an internal error has occurred, and XBM was unable to complete subsystem initialization.

*User response:* Contact BMC Customer Support.
**BMC73005E  xbmsisid SUBSYSTEM IS ALREADY ACTIVE**

*Explanation:* The XBM subsystem named in the START XBM command is already active.

*User response:* Make sure that you have specified the correct XBM subsystem. If you have not specified the correct subsystem, reissue the command. If you cannot determine the cause of the problem, contact BMC Customer Support.

**BMC73006E  UNABLE TO CREATE structure**

*Explanation:* XBM was unable to complete subsystem initialization. The XBM structure named in the message was not created.

*User response:* Try one of the following suggestions, then if unable to determine the problem, contact BMC Customer Support.

<table>
<thead>
<tr>
<th>Named structure</th>
<th>Suggestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIRECTORY CELL POOL</td>
<td>Try specifying REGION=0M in the XBM PROC to allow XBM enough storage to create this structure. If message BMC73006E is accompanied by BMC73009I, you might need to override the startup procedure and start with zero cache. See BMC73009E for more information.</td>
</tr>
<tr>
<td>DEFAULT_CONFIG</td>
<td>Ensure that you have a valid RACF ID assigned to the XBM started task.</td>
</tr>
<tr>
<td>PSS XCF CONNECTION</td>
<td>Ensure that all XBM subsystems in the data sharing group have a unique subsystem ID.</td>
</tr>
</tbody>
</table>
| SSI ‘hardware device type’ API   | Contact your intelligent hardware storage device vendor to ensure that your devices have appropriate PTFs and microcode installed to support XBM SSI-assisted snapshot processing.  
If you are using EMC devices, ensure that the Symmetrix Control Facility (SCF) task modules are available to XBM through the LINKLIST or the XBM STEPLIB library.  
**Note:** XBM issues this message for each type of device that it supports that it cannot find. If you do not use a particular hardware type, you can ignore the message as informational. |

**BMC73007I  XBM VERSION versionNumber ©) COPYRIGHT BMC SOFTWARE, INC. years, U.S. Patents patentNumbers**

*Explanation:* During initialization this message means that the XBM subsystem has been successfully started. It is also issued for the DISPLAY XBM command.

*User response:* No action is required.
**BMC73008I**  
**XBM TERMINATING**

*Explanation:* XBM has started to terminate because the STOP XBM command was issued. The MVS system provides a message indicating that termination has completed.

*User response:* If you issued a STOP command, no action is required. If this message occurred due to an error, review the accompanying error messages to determine the correct response.

**BMC73009I**  
*cacheName FRAMES REQUESTED= n, FRAMES ALLOWED = n*

*Explanation:*

While activating a configuration, XBM has determined the actual number of frames available. This message is issued only when the Limit Excessive Cache option has been specified for a central storage cache.

*User response:* If the number of frames requested is greater than the number of frames allowed, reduce the size of the cache. Otherwise, this message is informational. The method that you use to reduce the cache depends on the state XBM is in when the message is generated:

- If XBM has already started, change the cache value in the configuration and activate the configuration again, or activate a different configuration.

- If XBM terminates while initializing, override the startup procedure by issuing a start command. An example follows:
  ```
  S XBM,Config="DEFAULT_CONFIG"
  ```

  Starting XBM with the default configuration allows XBM to start with zero cache. You can then use the ISPF interface to decrease the CFG specification with an amount that the operating system allows.

  If this situation recurs, the amount of cache specified for regular use in XBM might be too large for the available system resource. Adjust the size accordingly.

**BMC73010I**  
**ACTIVATING CONFIGURATION configurationName**

*Explanation:* The configuration named in the message is being activated as a result of an activate configuration request.

*User response:* No action is required.

**BMC73011E**  
**XBM SUBSYSTEM NAME subsystemName IS INVALID, USING STC/JOBNAME startedTaskName**

*Explanation:* XBM was started with an invalid value specified in the SYS= parameter for the XBM subsystem name. XBM requires that this subsystem name:

- start with a letter
be from two to four characters in length

- contain only the letters A-Z, the numbers 0-9, $, or #

If an invalid value is specified in the SYS= parameter, XBM starts the subsystem by using the first four characters of the name of the started task or job as the XBM subsystem name.

User response: Restart XBM with an acceptable name in the SYS= parameter.

BMC73012I  
**xbmssid** Fixed Virtual Cache GetStor, RC= **returnCode**, Rs= **reasonCode**  
**xbmssid** Fixed Virtual Cache PageFix, RC= **returnCode**, Rs= **reasonCode**  
**xbmssid** Fixed Virtual Cache PageUnFix, RC= **returnCode**, Rs= **reasonCode**  
**xbmssid** Fixed Virtual Cache Detach, RC= **returnCode**, Rs= **reasonCode**  
**xbmssid** Paged Virtual Cache GetStor, RC= **returnCode**, Rs= **reasonCode**  
**xbmssid** Paged Virtual Cache Detach, RC= **returnCode**, Rs= **reasonCode**

Explanation: XBM displays these informational messages when a fixed or paged virtual cache that uses 64-bit addressing is activated or deactivated.

User response: No response is required.

BMC73020E  
**REPOSITORY FUNCTION** *functionName* RETURNED RC= **returnCode**, REASON= **reasonCode** FOR DATA SET = **dataSetName**

Explanation: An unexpected error has occurred while attempting to perform the XBM repository function named in the message.

User response: Contact BMC Customer Support.

BMC73021I  
**REPOSITORY DEALLOCATED DATA SET =** **dataSetName**

Explanation: Because an error was detected while processing the data set named in the message, XBM deallocated the data set.

User response: If you cannot determine the cause of the problem, contact BMC Customer Support.

BMC73022E  
**REPOSITORY DEALLOCATION FOR DATA SET =** **dataSetName** FAILED RC = **returnCode**, REASON = **reasonCode**

Explanation: XBM attempted to deallocate the data set named in the message and the deallocation failed.

User response: If you cannot determine the cause of the problem, contact BMC Customer Support.

BMC73023I  
**REPOSITORY DATA SET =** **dataSetName** REBUILT TO CURRENT

Explanation: After determining that the data set named in the message was not current, XBM has rebuilt the data set named to make it current with the other XBM repository data sets.

User response: No action is required.
BMC73024I  ACTIVE REPOSITORY DATA SET = dataSetName, TIMESTAMP = timestamp
Explanation:  The XBM repository data set named in the message is currently active. The timestamp of all active data sets is the same.
User response:  No action is required.

BMC73025E  TIMESTAMP RECORD VALIDATION FAILED
Explanation:  An error has occurred on an XBM repository data set and the data set will be deallocated. The data set is either not an XBM repository data set or has been corrupted.
User response:  If you cannot determine the cause of the problem, contact BMC Customer Support.

BMC73026I  STATISTICS FOR objectName RESET
Explanation:  The RESETSTA command has reset statistics for the object objectName.
User response:  No action is required.

BMC73028I  time xbmssid ---- dayOfWeek, date month year ----
Explanation:  XBM issues this informational message each day to indicate when the date changed. Depending on the activity on your system, this might not always be the first message issued after the date rolls over. The time value indicates the time at which the message was issued and ssid indicates the XBM subsystem that issued the message. The remaining text in the string indicates the date, as shown in the following example: Thursday, 26 Feb 2008.
User response:  No action is required

BMC73050I  XBMCommandLine
Explanation:  This message echoes the issued XBM command. The result of the command is explained in the messages following this message.
This message also contains the results when you issue the DISPLAY ZIIPSTATS command.
User response:  No action is required.

BMC73051E  string IS AN INVALID COMMAND
Explanation:  The issued command is not a valid XBM command.
User response:  Make sure you have spelled the command correctly. Correct the error and reissue the command.

BMC73052E  string IS AN INVALID KEYWORD FOR COMMAND command
Explanation:  The specified keyword is not valid for the XBM command.
User response:  Make sure you have spelled the keyword correctly. Correct the error and reissue the command.
BMC73053E  COMMAND TO ACTIVATE CONFIGURATION configurationName FAILED
Explanation: XBM was unable to find the configuration named in the message in the XBM repository or an internal error occurred.
User response: Make sure that the configuration name was entered correctly. If it was not, reissue the command. If you are sure that the configuration exists and the name is correct, contact BMC Customer Support.

BMC73054I  ACTIVE CONFIGURATION IS configurationName
Explanation: The configuration named in the message is the active configuration.
User response: No action is required.

BMC73055I  componentName COMPONENT IS status
Explanation: The component named in the message is in the indicated status: active, not active, started, or stopped.
User response: No action is required.

BMC73056I  MANAGEMENT SET managementSetName IS status
Explanation: The management set named in the message is in the indicated status: active, not active, started, or stopped.
User response: No action is required.

BMC73057E  NO objectType MATCH pattern
Explanation: This message occurs as a result of a DISPLAY command if no matches were found for the wildcard pattern. The object type can be component, configuration, management set, group, or data set.
User response: Make sure the pattern was entered correctly. If it was not, reissue the command.

BMC73058E  COMMAND TO ACTIVATE MANAGEMENT SET managementSetName FAILED
Explanation: XBM was unable to find the management set named in the message in the XBM repository or an internal error occurred.
User response: Make sure that the management set name was entered correctly. If it was not, reissue the command. If you are sure that the management set exists and the name is correct, contact BMC Customer Support.

BMC73059I  supportType SUPPORT FOR COMPONENT componentName ENABLED
Explanation: This informational message indicates the type of support enabled for the named component. Full support indicates that all features of XBM are enabled. Snapshot support indicates that only snapshot functionality is enabled.
User response: No action is required.
BMC7306E  COMMAND TO DEACTIVATE MANAGEMENT SET  managementSetName FAILED

Explanation: XBM was unable to deactivate the management set with the name specified in the message because of an internal error.

User response: Contact BMC Customer Support.

BMC73061I  COMMAND TO DEACTIVATE MANAGEMENT SET  managementSetName FAILED, NOT ACTIVE

Explanation: You attempted to deactivate a management set that is not active.

User response: No action is required. The DISPLAY XBM command can provide you with a display list of active management sets.

BMC73062I  SIMULATE MODE IS  status

Explanation: The simulate mode setting in the active configuration is in the status (on or off) specified by the message. This message occurs as output from the DISPLAY XBM and the SET SIMULATE OFF commands.

User response: No action is required.

BMC73063I  ACQUIRE RESOURCES DURING SIMULATE IS ON

Explanation: Simulate mode is on in the active configuration and XBM is acquiring resources, but is not satisfying read requests.

Note
Simulate mode always requires resources.

User response: No action is required.

BMC73064E  USER  userName IS NOT AUTHORIZED FOR COMMAND  command

Explanation: The user  userName did not have the proper authority to execute command  command.

User response: Review the user's security access list. Permit access to the resource and retry.

BMC73065E  moduleName IS  description DISABLED

Explanation: The named I/O hook module is not fully functional for the XBM subsystem or component you displayed. The named description indicates the level of functionality remaining.

User response: Possible descriptions and recommended user responses are described in the following table.
<table>
<thead>
<tr>
<th>Description</th>
<th>Meaning / user response</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPLETELY</td>
<td>The hook is not enabled and performs no XBM processing. Stop and then restart the component for the XBM subsystem to re-enable the hook. If that fails, stop and then restart the XBM subsystem.</td>
</tr>
<tr>
<td>PARTIALLY(ABEND)</td>
<td>The hook is partially disabled due to an abend in the hook. Stop and then restart the named component for the XBM subsystem to re-enable the hook.</td>
</tr>
<tr>
<td>PARTIALLY(NOTIFY EXIT)</td>
<td>The hook is partially disabled because a required hook for another XBM subsystem is not fully enabled. If the hook remains partially disabled, to re-enable it, stop and then restart the named component for the subsystem where the original abend occurred.</td>
</tr>
<tr>
<td>PARTIALLY(COMPONENT)</td>
<td>The hook is partially disabled because of a change in the state of the named component (for example, if the component is stopped). Start the named component to re-enable the hook.</td>
</tr>
</tbody>
</table>

BMC73066ISTATISTICS RESET FOR number DATA SETS MATCHING name
Explanation: The RESETSTA command has reset statistics for a total number of data sets that matched name.
User response: No action is required.

BMC73067I STATISTICS RESET FOR number DATA SETS MATCHING objectType name
Explanation: The RESETSTA command has reset statistics for a total number of data sets that matched the name or wildcarded name of a group or management set object.
User response: No action is required.

BMC73068E NO name MATCH IN objectType objectName
Explanation: The RESETSTA command failed to reset statistics because the specified name was not found in the named group or management set object.
User response: Determine the previous error by verifying the spelling of the named object. If you are still unable to resolve this problem, contact BMC Customer Support for assistance.

BMC73069I supportType SUPPORT FOR COMPONENT componentName NOT ENABLED
Explanation: One of the following events occurred:

- Product authorization failed for this component.
- The component has been stopped.
An internal error occurred, causing the component to fail.

**Note**

This message has been updated to include *Full support* as a support type (indicating all features of XBM). The message can also report the status of the new zIIP component.

*User response:* Verify the component’s authorization status, or (if the component has been stopped) restart the component. For further assistance, contact BMC Customer Support.

**BMC73070E**

**NO UTILITY JOB NAME SPECIFIED FOR SEND COMMAND**

*Explanation:* You did not specify a utility job for the specified command.

*User response:* Specify a utility job and resend the command.

**BMC73071E**

**NO SEND COMMAND TEXT SPECIFIED FOR UTILITY JOB `jobName`**

*Explanation:* Although you issued a SEND to the named utility job, no command was specified for the utility job to perform.

*User response:* Specify a command for the utility job to perform and SEND it.

**BMC73072E**

**UTILITY JOB `jobName` IS NOT CURRENTLY ACTIVE**

*Explanation:* Though the named utility job might have been active when you selected it for an operation, it is no longer active and therefore cannot perform your requested operation.

*User response:* No action is required.

**BMC73073E**

**UTILITY JOB `jobName` DID NOT ACCEPT THE XBM SEND COMMAND**

*Explanation:* The named utility job did not accept the command you sent because the syntax you specified in the command might have been incorrect or the command might have timed out.

*User response:* First, resend your command, making sure the syntax is correct. If the message appears again, contact BMC Customer Support for assistance.

**BMC73074I**

**`echoCommand`**

*Explanation:* This message echoes the response of the command you sent.

*User response:* No action is required.

**BMC73075W**

**SEND COMMAND RECEIVED RETURN CODE = `returnCode` FROM UTILITY JOB `jobName`**

*Explanation:* The named utility job could not successfully process the command you issued.

*User response:* Contact BMC Customer Support for assistance.
**BMC73076I**  SEND COMMAND SUCCESSFULLY PROCESSED BY UTILITY JOB *jobName*

*Explanation:*  The command you issued to the named utility job was processed with no errors.

*User response:*  No action is required.

**BMC73077W**  UTILITY JOB *jobName* FAILED TO RESPOND TO PREVIOUS COMMAND

*Explanation:*  The named utility job likely timed out before responding to the command you last issued.

*User response:*  Contact BMC Customer Support for assistance.

**BMC73078E**  NO MATCHING DESTINATIONS FOR ROUTE COMMAND

*Explanation:*  The XBM subsystem from which the command originated found no remote XBM subsystem matching the destination specified in the command syntax.

*User response:*  Make sure the command syntax lists a valid XBM subsystem as a destination and that the subsystem is active. Retry the command.

**BMC73079E**  NO COMMAND TEXT SPECIFIED FOR ROUTE COMMAND

*Explanation:*  A command is missing from the syntax for the ROUTE command.

*User response:*  In the command syntax, specify a command you want routed to the destination subsystem. Retry the command. For a list of valid commands and appropriate command syntax, see the ROUTE command in the EXTENDED BUFFER MANAGER and SNAPSHOT UPGRADE FEATURE User Guide.

**BMC73080E**  XBM DETECTED ABEND *abendCode* IN MODULE *moduleName*

*Explanation:*  XBM detected an abend in the module named in the message. Messages BMC73080E through BMC73084E supply information to assist BMC technical support in diagnosing the problem.

*User response:*  Contact BMC Customer Support and report the information in the messages.

**BMC73081E**  PSW *programStatusWord* ILC *instructionLengthCode* INTC *interruptCode* TRANS *translationAddress*

*Explanation:*  XBM detected an abend in the module named in the message. Messages BMC73080E through BMC73084E supply information to assist BMC technical support in diagnosing the problem.

*User response:*  Contact BMC Customer Support and report the information in the messages.
BMC73082E  DATA AT PSW  addressInstructionSequence

Explanation:  XBM detected an abend in the module named in the message. Messages BMC73080E through BMC73084E supply information to assist BMC technical support in diagnosing the problem.

User response:  Contact BMC Customer Support and report the information in the messages.

BMC73083E  REGS registers

Explanation:  XBM detected an abend in the module named in the message. Messages BMC73080E through BMC73084E supply information to assist BMC technical support in diagnosing the problem.

User response:  Contact BMC Customer Support and report the information in the messages.

BMC73084E  echo

Explanation:  XBM detected an abend in the module named in the message. Messages BMC73080E through BMC73084E supply information to assist BMC technical support in diagnosing the problem.

User response:  Contact BMC Customer Support and report the information in the messages.

BMC73087I  optionName IS setting

Explanation:  This informational message indicates the setting of the specified SSI override option. You can generate this message by issuing the DISPLAY SETTINGS command or by issuing a SET optionName command.

User response:  No action is required.

BMC73088I  XCFCLEANUP COMMAND SELECTED number ITEMS FOR PROCESSING

Explanation:  This informational message indicates the numbers of items that the xcfCleanUp command selected for processing.

User response:  No action is required.

BMC73089I  traceRecordSource traceRecord

Explanation:  This informational message displays tracing information and the source of the information.

User response:  No action is required.

BMC73090E  DSPSERV  functionName  spaceName  RC= returnCode, REASON= reasonCode

Explanation:  The DSPSERV macro has return a nonzero return code, indicating an internal error has occurred.

User response:  Contact BMC Customer Support and report the information in the message.
ALESERV functionName spaceName RC= returnCode

Explanation: The DSPSERV macro has return a nonzero return code, indicating an internal error has occurred.

User response: Contact BMC Customer Support and report the information in the messages.

Messages BMC73100 through BMC73199

This group includes messages for the EXTENDED BUFFER MANAGER product and its associated SNAPSHOT UPGRADE FEATURE technology.

UNABLE TO ACTIVATE MANAGEMENT SET managementSetName

Explanation: XBM was unable to find the management set named in the message in the XBM repository or an internal error occurred.

User response: Make sure that the management set name was entered correctly. If it was not, reissue the command. If you are sure that the management set exists and the name is correct, contact BMC Customer Support.

OBJECT objectName ACTIVATED BY MANAGEMENT SET managementSetName

Explanation: The managed object named in the message has been activated by the activation of the management set named in the message.

User response: No action is required.

OBJECT objectName {ACTIVATED | REACTIVATED} AND OVERRIDDEN BY MANAGEMENT SET managementSetName

Explanation: The object named in the message was already active when the management set (also containing the object) named in the message was activated or reactivated. The object's attributes are now those contained in the management set named in the message.

User response: No action is required.

UNABLE TO DEACTIVATE MANAGEMENT SET managementSetName BECAUSE NOT ACTIVE

Explanation: You attempted to deactivate a management set that is not active.

User response: No action is required. The DISPLAY XBM command can provide you with a display list of active management sets.

UNABLE TO DEACTIVATE MANAGEMENT SET managementSetName

Explanation: XBM was unable to deactivate the management set named in the message.

User response: Contact BMC Customer Support.
**BMC73106I**  
**OBJECT objectName DEACTIVATED BY MANAGEMENT SET managementSetName**  
*Explaination:* The object named in the message was active when the management set (also containing the object) named in the message was deactivated. Deactivating the management set deactivates the object named in the command, even though the management set that originally activated it might still be active.  
*User response:* No action is required.

**BMC73107I**  
**ACTIVATING MANAGEMENT SET managementSetName**  
*Explaination:* The management set named in the message is being activated. Refer to the subsequent message for more information about the results of activating the management set. This message is issued because no other message might be issued during management set activation.  
*User response:* No action is required.

**BMC73108I**  
**DEACTIVATING MANAGEMENT SET managementSetName**  
*Explaination:* The management set named in the message is being deactivated. Refer to subsequent message for more information about the results of deactivating the management set. This message is issued because no other message might be issued during management set deactivation.  
*User response:* No action is required.

**BMC73109I**  
**CACHE TYPE cacheType CREATED, SIZE = n BYTES, COMpress = n**  
*Explaination:* XBM has created a cache of the type and size named in the message. Compression is enabled (Y) or not enabled (N).  
*User response:* No action is required.

**BMC73110W**  
**XBM TRIAL WILL EXPIRE IN n DAYS**  
*Explaination:* This message appears during the last 30 days before the expiration date. XBM will quit operating after the trial period is over.  
*User response:* Contact your BMC Sales representative for assistance.

**BMC73111I**  
**XBM componentName TRIAL HAS EXPIRED**  
*Explaination:* The trial period for this XBM component has expired, so it will not operate.  
*User response:* Contact your BMC Sales representative for assistance.

**BMC73112W**  
**WARNING! XBM componentName IS NOT LICENSED FOR THIS CPU (PHASE n RC= nn- n)**  
*Explaination:* The XBM component is being run contrary to the license agreement. The component is licensed but is running on a nonlicensed processor, or the component is running on a licensed processor where there are
more internal CPUs than you are licensed for, or the component license has expired.

**User response:** Make sure you are running XBM in accordance with your license agreement. Contact your BMC Sales representative for assistance, and be prepared to provide the RC number from this message.

*BMC73113E*  
**ERROR! XBM componentName IS NOT LICENSED FOR THIS CPU (PHASE n RC= nn-n)**  
*Explanation:* You are attempting to run the XBM component contrary to the license agreement. You are either trying to run a licensed component on a nonlicensed processor, or you are trying to run a component on a licensed processor where there are more internal CPUs than you are licensed for, or the component license has expired.

**User response:** Make sure you are running XBM in accordance with your license agreement. Contact your BMC Sales representative for assistance, and be prepared to provide the RC number from this message. If you received RC 28 with this message, check to make sure your XBM load library is not RACF protected. A RACF-protected library will prevent XBM from updating your product authorization table with the information required to enable a grace period.

*BMC73114E*  
**ERROR! XBM HAS DETECTED AN INCONSISTENCY DURING SECURITY CHECKING (PHASE n RC= nn)**  
*Explanation:* XBM has detected an inconsistency with the BMC password facility. If the message displayed a reason code (RC) of 40, a BMC password license function (FMID) is not at the required level for your version of XBM. If the reason code is 98, the FMID is not installed or is not available in either the STEPLIB or the LINKLST.

**User response:** If the reason code is 40 or 98, ensure that the proper FMID is installed and available to XBM. For any other reason code, contact BMC Customer Support for assistance and be prepared to provide the reason code that is displayed in this message.

*BMC73115I*  
**CONFIGURATION configurationName ACTIVATED, SIMULATE = n**  
*Explanation:* The configuration file named in the message has been activated. See BMC73116I for the name of the configuration that was deactivated by the activation of this configuration.

**User response:** No action is required.

*BMC73116I*  
**CONFIGURATION configurationName DEACTIVATED**  
*Explanation:* The configuration file named in the message has been deactivated by the activation of another configuration file. See BMC73115I for the name of the configuration that was activated.

**User response:** No action is required.
BMC73117I  MANAGEMENT SET `managementSetName' {ACTIVATED | REACTIVATED}

**Explanation:** The management set named in the message has been activated or reactivated. This message is issued at the end of activation/deactivation processing. Previous messages indicate the objects that were affected.

**User response:** No action is required.

BMC73118E  CONFIGURATION `configurationName' DOES NOT EXIST

**Explanation:** During initial startup, XBM was unable to find the configuration named in the message in the XBM repository or an internal error occurred. When this occurs, XBM terminates.

**User response:** Make sure that the configuration name was entered correctly. If it was not, reissue the command. If XBM fails to start after this message is issued, edit the PROC to specify `Config='*'` or override the PROC by issuing the following command:

```
Start XBM, Config='*'  
```

For more information about the XBM PROC, see the *EXTENDED BUFFER MANAGER and SNAPSHOT UPGRADE FEATURE User Guide*. If you are sure that the configuration exists and the name is correct, contact BMC Customer Support.

BMC73119E  MANAGEMENT SET `managementSetName' DEACTIVATED

**Explanation:** The management set named in the message has been deactivated.

**User response:** No action is required.

BMC73120I  OBJECT `objectName' HAS BEEN ACTIVATED BY I/O DETECTION,

**Explanation:** XBM detected I/O activity for the managed object named in the message.

**User response:** No action is required.

BMC73121E  USER `userName' DENIED ACCESS TO `resourceName'

**Explanation:** The specified user did not have the proper authority to access the protected resource `resourceName`.

**User response:** Review the user's security access list. Permit access to the resource and retry.

BMC73122E  INTERVAL PROCESSING IS NO LONGER AVAILABLE

**Explanation:** The XBM interval task has abnormally terminated. Interval processing, such as SMF recording or interval statistics, is no longer available. XBM continues to operate.

**User response:** If you can determine the cause of the problem, correct it. Otherwise, contact BMC Customer Support.
BMC73123E  SMF RECORDING ABNORMALLY TERMINATED WITH RC= returnCode
Explanation:  The SMF recording facility in XBM received an error from SMF.
User response:  Check to see if the SMF record number specified in the XBM options is valid for your installation. If the SMF record number is valid, contact BMC Customer Support. If the SMF record number is not valid, specify a valid SMF record and activate SMF recording from the XBM Options subpanel of the ISPF interface.

BMC73124E  SMF RECORDING IS NO LONGER AVAILABLE
Explanation:  An error has stopped SMF recording.
User response:  Make sure that SMF recording is active on your MVS system and that the SMF record number is valid.

BMC73125E  UNABLE TO ESTABLISH ABEND RECOVERY ENVIRONMENT FOR taskName
Explanation:  The named XBM task was unable to establish a recovery environment during initialization. The task terminates and might cause XBM to terminate.
User response:  Contact BMC Customer Support.

BMC73126I  OBJECT objectName ALREADY ACTIVE, NOT OVERRIDDEN BY MANAGEMENT SET managementSetName
Explanation:  The management set named in the message contains a managed object with a "*.*.*.*" pattern mask specification. (For more information, review information about overlapping management sets.) When a subsystem-wide managed object is activated, it does not override the managed object definitions of already active managed objects.
User response:  No action is required.

BMC73127I  componentName COMPONENT {ACTIVATED | DEACTIVATED}
Explanation:  The XBM component named in the command has been activated or deactivated.
User response:  No action is required.

BMC73128W  ACTIVITY MONITOR CONNECT, RC= returnCode
Explanation:  A nonzero return code indicates that an internal error occurred during initialization between XBM and ACTIVITY MONITOR (a return code of zero indicates no error). XBM continues to operate but cannot communicate with ACTIVITY MONITOR. ACTIVITY MONITOR might not be installed or currently active. A return code of zero indicates ACTIVITY MONITOR connected successfully.
User response:  If you do not use ACTIVITY MONITOR, no action is required. If you receive a nonzero return code and you expect ACTIVITY MONITOR and XBM to interface, contact BMC Customer Support.
BMC73129E  MVS COMMUNICATIONS TASK NO LONGER AVAILABLE
Explanation: XBM will not respond to the MVS STOP command because the MVS communications task is not available.
User response: Use the XBM STOP command.

BMC73130I  XBM SUBSYSTEM COMMON STORAGE USED = nnn K
Explanation: XBM is using nnn K of MVS common storage.
User response: No action is required.

BMC73131I  NEW COPY OF moduleName LOADED, linkDate
Explanation: XBM has loaded a new copy of the XBM I/O hook module moduleName, which was linked on linkDate.
User response: No action is required.

BMC73132I  XBM SUBSYSTEM componentName STORAGE USED = nnn K
Explanation: The XBM component is using nnn K of MVS common storage.
User response: No action is required.

BMC73133W  XBM version versionNumber1 detected a repository from XBM version versionNumber2 - continuing
Explanation: This message warns you that the XBM repository was created by a different version of XBM than the version of the XBM product that you are using. Processing continues.
User response: No response is required.

BMC73134W  INTERFACE VERSION versionNumber1 differs from XBM subsystem ssid at version versionNumber2
Explanation: The XBM subsystem is running at a version that is different than the XBM version level of the ISPF interface library.
User response: The XBM$OPTS member should point to the same libraries that are being run on the XBM subsystem so that the newer release is used by both the subsystem task and the ISPF interface.

BMC73135E  XBM SUBSYSTEM (nnnn) IS NOT ACTIVE
Explanation: The XBM subsystem named nnnn is not active. The XBM subsystem must be active in order to use the ISPF interface.
User response: Start the XBM subsystem.
**BMC73136E**  
**XBM VERSION versionNumber CANNOT USE A REPOSITORY FROM XBM VERSION versionNumber**  
*Explanation:* An older version of XBM is trying to use a new version of the repository. This will cause XBM to terminate.  
*User response:* Restore an older version of the repository or allocate an empty repository, start XBM, and begin using that repository.

**BMC73137E**  
**UNABLE TO ACTIVATE GROUP groupName**  
*Explanation:* The group named in the message was not found in the XBM repository or an internal error occurred.  
*User response:* Make sure that the group name was entered correctly. If it was not, reissue the command. If you are sure that the group exists and the name is correct, contact BMC Customer Support.

**BMC73138I**  
**ACTIVATING GROUP groupName**  
*Explanation:* The group named in the message is being activated. Refer to the subsequent message for more information about the results of activating the group. No other messages are issued during group activation.  
*User response:* No action is required.

**BMC73139I**  
**DEACTIVATING GROUP groupName**  
*Explanation:* The group named in the message is being deactivated. Refer to subsequent message for more information about the results of deactivating the group. No other messages are issued during group deactivation.  
*User response:* No action is required.

**BMC73140I**  
**GROUP groupName {ACTIVATED | REACTIVATED | DEACTIVATED}**  
*Explanation:* The group named was activated, reactivated, or deactivated as specified in the message.  
*User response:* No action is required.

**BMC73141I**  
**UNABLE TO DEACTIVATE GROUP groupName BECAUSE NOT ACTIVE**  
*Explanation:* You attempted to deactivate a group that is not active.  
*User response:* No action is required. The DISPLAY XBM command can provide you with a display list of active groups.

**BMC73142E**  
**COMMAND TO ACTIVATE GROUP groupName FAILED**  
*Explanation:* The group named in the message was not found in the XBM repository or an internal error occurred.  
*User response:* Make sure that the group name was entered correctly. If it was not, reissue the command. If you are sure that the group exists and the name is correct, contact BMC Customer Support.
BMC73143E  DATA STRUCTURE LEVEL level IS NOT COMPATIBLE WITH INTERFACE DATA STRUCTURE LEVEL level
Explanation: A utility attempted to call the XBM module XBMXXDC, but the module level was incompatible.
User response: Contact BMC Customer Support.

BMC73144E  COMMAND TO DEACTIVATE GROUP groupName FAILED
Explanation: The group named in the message was not found in the XBM repository or an internal error occurred.
User response: Make sure that the group name was entered correctly. If it was not, reissue the command. If you are sure that the group exists and the name is correct, contact BMC Customer Support.

BMC73145I  COMMAND TO DEACTIVATE GROUP groupName FAILED, NOT ACTIVE
Explanation: The group named in the message was not deactivated because it was not active.
User response: No action is required.

BMC73146I  GROUP groupName IS ACTIVE GROUP groupName IS NOT ACTIVE
Explanation: The group named in the message is currently active or not active.
User response: No action is required.

BMC73147I  RESETTING STATISTICS MATCHING objectType PATTERN name
Explanation: Statistics were reset for objects of type management set, group, or data set that match the specified name.
User response: No action is required.

BMC73148I  STATISTICS RESET FOR number DATA SETS MATCHING objectType objectName
Explanation: Statistics were reset for number of objects of type management set, group, or data set that match the specified name.
User response: No action is required.

BMC73149E  NO DATA SETS MATCH IN objectType PATTERN name
Explanation: No data sets matched the specified name for the RESETSTA command for the specified object type.
User response: Verify that the object type and the name were specified correctly. If you are still unable to resolve the problem, contact BMC Customer Support for assistance.

BMC73150I  XBM VERSION versionNumber INITIALIZATION COMPLETE AT time ON date
Explanation: XBM successfully initialized.
User response: No action is required.
BMC73151I  STATISTICS RESET FOR A TOTAL OF *number* DATA SETS
Explanation: The RESETSTA command caused the statistics for *number* of data sets to be reset.
User response: No action is required.

BMC73152I  *objectType* *objectName* IS NOT ACTIVE, STATISTICS NOT RESET
Explanation: The RESETSTA command could not issue the reset because the named management set or group object is not active. For both management sets and groups, the object must be active to allow statistics to be reset.
User response: No action is required.

BMC73153I  OBJECT *objectName* DEACTIVATED
Explanation: The DEACTIVATE command caused this object to be deactivated from the cache. With dynamic cache, it is possible to deactivate selected data sets while their management set is still activated.
User response: No action is required.

BMC73154I  STATISTICS RESET FOR DATA SET *dataSetName*
Explanation: The RESETSTA command caused this object to have its statistics reset.
User response: No action is required.

BMC73156E  OBJECT NOT CACHED, COMPONENT *componentName* NOT LICENSED FOR DATA SET= *dataSetName*
Explanation: The named component is not licensed for this data set. This prohibits caching for this object.
User response: Ensure that all product passwords were entered during installation and that the appropriate library is being used by the XBM started task. For further assistance, contact BMC Customer Support.

BMC73157I  *componentName* COMPONENT NOT ACTIVE
Explanation: The named component is not currently active.
User response: No action is required.

BMC73158E  *componentName* COMPONENT HOOK *moduleName* IS *description* DISABLED
Explanation: The named component hook module is not fully functional. The named description indicates the level of functionality remaining.
User response: Possible descriptions and recommended user responses are described in the following table.
<table>
<thead>
<tr>
<th>Description</th>
<th>Meaning / user response</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPLETELY</td>
<td>The hook is not enabled and performs no XBM processing. Stop and then restart the named component for the XBM subsystem to re-enable the hook. If that fails, stop and then restart the XBM subsystem.</td>
</tr>
<tr>
<td>FUNCTIONALLY(ABEND)</td>
<td>The hook is partially disabled due to an abend in the hook. Stop and then restart the named component for the XBM subsystem to re-enable the hook.</td>
</tr>
<tr>
<td>FUNCTIONALLY(NOTIFY EXIT)</td>
<td>The hook is partially disabled because a required hook for another XBM subsystem is not fully enabled. If the hook remains partially disabled, to re-enable it, stop and then restart the named component for the subsystem where the original abend occurred.</td>
</tr>
<tr>
<td>FUNCTIONALLY(COMPONENT)</td>
<td>The hook is partially disabled because of a change in the state of the named component (for example, if the component is stopped). Start the named component to re-enable the hook.</td>
</tr>
</tbody>
</table>

**BMC73159E**  
**OBJECT objectName DEACTIVATED DUE TO ACCESS BY MULTIPLE COMPONENTS**

*Explanation:* More than one XBM component has detected I/O for the cached data set. XBM does not support caching for multiple access methods, so the object is deactivated.

*User response:* The object should not be simultaneously cached by more than one access type. Contact BMC Customer Support for assistance.

**BMC73160W**  
**OBJECT BLOCK SIZE = size MAY CAUSE INEFFICIENT USE OF CACHE**

*Explanation:* The cached object's block size does not allow efficient use of the cache, because it does not fit evenly into the cache page size.

*User response:* For more information about management set compression, see the *EXTENDED BUFFER MANAGER and SNAPSHOT UPGRADE FEATURE User Guide*. For further assistance, contact BMC Customer Support.

**BMC73161W**  
**I/O ACTIVITY QUIESCE TIMED OUT, FORCING LATCH RESET FOR dataSetName**  
**I/O ACTIVITY QUIESCE TIMED OUT, FORCING LATCH RESET FOR XBM USE LATCH**

*Explanation:* XBM was unable to obtain an internal XBM latch for the named data set or the XBM use latch during a configuration activation or XBM termination. XBM has quiesced the latch, reset it, and allowed the configuration to be activated or XBM to terminate normally.

*User response:* Notify BMC Customer Support of this error.
BMC73162W  ERROR DEACTIVATING DATA SET dataSetName
Explanation: XBM was unable to deactivate the data set specified by dynamic cache.
User response: The data set is not deactivated. Contact BMC Customer Support for assistance.

BMC73163W  ERROR ACTIVATING DATA SET dataSetName
Explanation: XBM was unable to activate the data set specified by dynamic cache.
User response: The data set is not activated. Contact BMC Customer Support for assistance.

BMC73164I  SNAPSHOT SUPPORT FOR COMPONENT componentName ACTIVATED
EMC TIMEFINDER SUPPORT FOR COMPONENT SSI ACTIVATED
HRC SUPPORT FOR COMPONENT SSI ACTIVATED
IBM RVA SUPPORT FOR COMPONENT SSI ACTIVATED
STK SVA SUPPORT FOR COMPONENT SSI ACTIVATED
IBM FLASHCOPY FOR COMPONENT SSI ACTIVATED
Explanation: XBM or one of the following devices is licensed for snapshot for this component:
■ EMC Symmetrix
■ Hitachi ShadowImage and Remote Copy
■ IBM RAMAC Virtual Array (RVA)
■ Sun Microsystems StorageTek Shared Virtual Array (SVA)
■ IBM FlashCopy
User response: No action is required.

BMC73165I  MAINTENANCE APPLIED: ptf1 ptf2 ptf3 ptf4 ptf5
Explanation: This message displays the PTFs have been applied to the product. More than one PTF number can appear on a single line.
User response: No action is required.

BMC73166I  SNAPSHOT SUPPORT FOR COMPONENT componentName DEACTIVATED
Explanation: XBM snapshot support has been deactivated for the named component.
User response: No action is required.
BMC73167E  ERROR! XBM componentName HAS NO PASSWORD TABLE INSTALLED (PHASE n RC= nn- n)

Explanation: XBM cannot find a product authorization table for the named component. The XBM component is not authorized at your site or the authorization phase of the installation process was not successfully completed.

User response: If you have a license, make sure you completed the installation correctly. For further assistance, contact your BMC Sales representative.

BMC73168W  WARNING! XBM componentName IS IN PHASED FAIL MODE; GRACE PERIOD EXPIRES IN nn DAYS (PHASE n RC= nn- n)

Explanation: The XBM component is being run contrary to the license agreement. The component is licensed but is running on a nonlicensed processor, or the component is running on a licensed processor where there are more internal CPUs than you are licensed for, or the component license expired. The XBM component will cease to operate on the expiration date.

User response: Make sure you are running XBM in accordance with your license agreement. Contact your BMC Sales representative for assistance.

BMC73169W  WARNING! NO XBM COMPONENTS ARE-active

Explanation: XBM was unable to initiate any component. Either you are running on a processor that is not licensed for any XBM components (possibly due to an error during XBM installation) or you have recently added temporary or permanent authorization for one or more components and have not issued the START COMPONENT command for the components.

User response: Issue the START COMPONENT command for the appropriate components. If any component fails to start, locate the error messages in SYSPRINT, correct the indicated condition, and reissue the START COMPONENT command for the appropriate components. For further assistance, contact BMC Customer Support.

BMC73170I  OPTIONS IN EFFECT

Explanation: Options listed in message BMC73171I, BMC73172I, or BMC73173I are in effect for the active XBM component.

User response: No action is required.

BMC73171I  XBM OPTIONS: STATSINT n, SMFIN T n, SMFRECNO n, SMFRECORDINGACT n, W T O R T C D n, LIMEXCACHE n

Explanation: These options are in effect for XBM for DB2:

- STATSINT - statistics interval length in seconds
- SMFIN T - SMF interval length in seconds
- SMFRECNO - SMF record type
- SMFRECORDINGACT - whether SMF recording is active
- WTORTCD - WTO routing code for XBM console messages
- LIMEXCACHE - whether limit excessive cache is active

**User response:** No action is required.

**BMC73172I**

**VSAM OPTIONS: VSAMRESTRICT n, VSAMREMOVEOBJINFO n**

**Explanation:** These options are in effect for the SUF for VSAM component:

- VSAMRESTRICT - whether to restrict caching for VSAM cross region share options 3 or 4
- VSAMREMOVEOBJINFO - whether to remove VSAM object tracking information while not in use

**User response:** No action is required.

**BMC73173I**

**IMS OPTIONS: IMSREMOVEOBJINFO n**

**Explanation:** This message shows the setting of the IMS options. It indicates whether to remove IMS object-tracking information while not in use.

**User response:** No action is required.

**BMC73174I**

**CACHED DATA SET HWM: n**

**Explanation:** This message indicates the high-water mark (HWM) for the number of data sets that XBM is caching.

**User response:** No action is required.

**BMC73175I**

**ACTIVATING componentType MANAGED OBJ dataSetName: LIMIT n, PRIORITY n, CACHE n, COMPRESS n**

**Explanation:** The managed object, shown with its cache attributes, was activated for caching.

**User response:** No action is required.

**BMC73176I**

**SSID n, CMPRESSTYPE n, PREFETCH n, GLOBALIO n**

**Explanation:** This message lists the DB2-specific cache attributes for the managed object named in BMC73175I.

**User response:** No action is required.

**BMC73178I**

**CMPRESSTYPE n, PREFETCH n**

**Explanation:** This message lists the specific cache attributes for the managed object named in BMC73175I.

**User response:** No action is required.
BMC73179I  **CMPRESSTYPE n, RETAIN n, PREFETCH n**  
*Explanation:* This message lists the IMS-specific cache attributes for the managed object named in BMC73175I.  
*User response:* No action is required.

BMC73180E  **componentName COMPONENT REQUIRED BUT NOT ACTIVE FOR utilityName JOB jobName**  
*Explanation:* The named utility job you are attempting to run requires the named XBM component.  
*User response:* Activate the required XBM component and restart your job.

BMC73181I  **PSS OPTIONS: GROUPNAME groupName, JOINGROUP {YES|NO}, MSGTIMEOUT seconds, GLOBALIOENABLED {YES|NO}, ENFORCESHAREDREPOSIT {YES|NO}**  
*Explanation:* This message displays the values you specified on the PSS Options subpanel of XBM. It shows the following information:  
- the data sharing group name to which XBM should join  
- whether you chose to join the group at XBM initialization  
- the length of time in seconds that XBM should wait to receive messages from the coupling facility before timing out  
- whether global I/O caching is enabled  
- whether XBM should enforce a shared repository across systems  
*User response:* No action is required.

BMC73182E  **XBM IS NOT APF AUTHORIZED**  
*Explanation:* The library to which you copied the XBM load library is not APF-authorized. XBM requires an APF-authorized library from which to execute.  
*User response:* Authorize the library in which XBM resides and try to initialize the XBM subsystem again.

BMC73183E  **XBM TERMINATING DUE TO EXCESSIVE ABENDS**  
*Explanation:* XBM terminated because of prior errors.  
*User response:* Review the log for errors. After taking action to correct the errors, restart XBM.
BMC73184E INVALID SSCT FOUND, CREATING NEW SSCT FOR XBM SUBSYSTEM xbmssid

Explanation: XBM detected a matching entry in the SSCT. The MVS subsystem builds the SSCT dynamically, so XBM requires no entries in this table.

User response: XBM will invalidate the current SSCT and create a new one dynamically. To avoid receiving this message, remove the XBMSSID from the SSCT.

BMC73185W XBM componentName PASSWORD WILL EXPIRE IN n DAYS

Explanation: This message appears during the last 30 days before the password expiration date. XBM will quit operating after the expiration date is reached.

User response: Contact your BMC Sales representative for assistance.

BMC73186I GLOBAL I/O CACHING ACTIVATED FOR name DATA SET dataSetName

Explanation: The named data set has been activated for global I/O caching.

User response: No action is required.

BMC73187W GLOBAL I/O CACHING NOT ALLOWED FOR name DATA SET dataSetName

Explanation: The data set that you attempted to activate for global I/O caching cannot be cached globally.

User response: Make sure that global I/O caching is enabled and then reactivate the data set. The global I/O caching parameter is found on the PSS Options subpanel.

BMC73188E ERROR! XBM FOR PSS IS NOT LICENSED FOR THIS CPU

Explanation: The PSS component is not licensed for this CPU; it will not initialize.

User response: The XBM for PSS component is available as a standard feature of XBM but requires authorization through another XBM component password. To request a PSS-enabling password for the DB2 or IMS component, contact your BMC Sales representative.

BMC73189I UTILITY JOB jobName IS CURRENTLY ACTIVE

Explanation: The STOP XBM command was issued while the named utility job was executing; the job requires XBM utility monitoring services to complete execution. If XBM is terminated while the job is active, the executing utility might encounter unpredictable results if it requests XBM services.

User response: Before terminating XBM, wait until any executing utility requiring XBM utility monitoring services completes execution. To terminate XBM regardless of executing utilities, use the FORCE option of the STOP XBM command.
**BMC73190W**  
**UTILITY JOB jobName NOTIFIED OF XBM TERMINATION**  

*Explanation:* The named utility job was executing when a STOP XBM FORCE command was entered, and the utility has been notified that XBM is terminating. The utility job requires XBM utility monitoring services and therefore might not complete successfully.  

*User response:* No action is required.

**BMC73191I**  
**INITIALIZATION COMMAND FILE PROCESSING STARTED**  

*Explanation:* XBM began processing the initialization command file. The individual commands will be queued for processing after initialization command file processing is complete.  

*User response:* No action is required.

**BMC73192I**  
**INITIALIZATION COMMAND FILE PROCESSING FINISHED, n COMMANDS QUEUED FOR PROCESSING**  

*Explanation:* XBM finished processing the initialization command file and has queued the displayed number of individual commands for processing.  

*User response:* No action is required.

**BMC73193W**  
**NO LOCAL CACHE SPECIFIED FOR DATA SET dataSetName**  

*Explanation:* The named data set was activated for I/O caching or snapshot processing. However, the management set did not specify any cache or the cache specification did not match the current active configuration.  

*User response:* Change the cache specification in the management set and reactivate it, or change the cache types used in the configuration and reactivate it. Reactivating the configuration will flush all data from the current cache.

**BMC73194I**  
**SSID n, CMPRESSTYPE n**  

*Explanation:* This message lists the MQSeries-specific cache attributes for the managed object named in BMC73175I.  

*User response:* No action is required.

**BMC73195I**  
**ALLOW SSI {Y/N}**  

*Explanation:* This message indicates whether SSI-assisted snapshots are enabled for this object.  

*User response:* No action is required.

**BMC73196I**  
**componentName Options : Discover {Y|N}, AllowSSI {Y|N}, Instant Snapshot {Y|N}, Dataset Snap {Y|N}**  

*Explanation:* For the specified component, this informational message displays the current values for the following options:  

- whether hardware device discovery is enabled
- whether SSI-assisted (hardware) snapshots are enabled
- whether Instant Snapshots are enabled
- whether XBM data-set-level snapshots are enabled

User response: No action is required.

BMC73197I  
**componentName OPTIONS: STORAGE CLASS storageClassName, MNGMNT CLASS managementClassName, DATA CLASS dataClassName, ESOTERIC UNIT esotericUnitValue, VOLUME COUNT volumeCountValue, DATA SET HLQ highLevelQualifier**

Explanation: For the specified component, this informational message displays the current values for the following options:

- storage class name
- management class name
- data class name
- esoteric unit value
- volume count
- the high-level qualifier (HLQ) for the data set

User response: No action is required.

BMC73198E

UNABLE TO LOCATE AN ACTIVE XBM SUBSYSTEM

Explanation: The XBM subsystem that the XBM ISPF interface is trying to connect to is not active.

User response: Ensure that the XBM subsystem is specified correctly or restart the XBM subsystem.

BMC73199I  
**componentName Options : VirtualVolumeSnap {Y|N}, SnapPool poolName, Mirror split {Y|N}, FavorLocal {Y|N}, RmtVolSplit {Y|N}**

Explanation: For the specified component, this informational message displays the current values for the following options:

- whether virtual volume snapshots are enabled
- the name of the virtual volume snapshot pool
- whether splitting of mirrored devices is enabled
- whether XBM should first attempt to split a local (instead of a remote) mirror for the snapshot
whether XBM should attempt to split a mirror attached to the remote target volume

(The remote target volume is a mirror volume located on a hardware storage device physically separated from the primary volume.)

User response: No action is required.

Messages BMC73300 through BMC73399

This group includes messages for the EXTENDED BUFFER MANAGER product and its associated SNAPSHOT UPGRADE FEATURE technology.

BMC73350E SSI API ERROR errorDescription

Explanation: XBM attempted to pass a command to the hardware API but the command failed to reach the API or could not be executed. Possible errors include:

- invalid EMC function request
- no device provided
- missing required BCV
- missing required storage device
- missing required PPRC device
- devices not on same storage device
- unable to locate paired device on storage device
- missing required control unit or device
- request requires both BCV and STD devices
- missing required control unit CU
- I/O path to device unavailable
- invalid request type
- invalid FlashCopy function request
DFSMSdss FlashCopy data set snap unavailable

*User response:* Review the error description contained within the message, correct the error if possible, and re-execute. If necessary, consult the documentation for your hardware. For further assistance, contact BMC Customer Support.

**BMC73351E**  
**DEVICE AT address IS** errorDescription

*Explanation:* An operation was attempted against the named device. The operation failed because of the error listed. Possible errors include:

- 'mfg type', EMC DEVICE REQUIRED
- UNKNOWN, EMC DEVICE REQUIRED
- STD, BCV DEVICE REQUIRED
- UNSUPPORTED, SPECIFIC MICROCODE LEVEL REQUIRED

*User response:* Correct the error and retry the operation. For further assistance, contact BMC Customer Support.

**BMC73352E**  
**functionality RETURN CODE =** returnCode, **REASON CODE =** reasonCode

*Explanation:* The displayed reason and return codes are issued by the hardware device of the named functionality type and are repeated here for your convenience.

*User response:* No action is required.

**BMC73353E**  
**UNABLE TO LOCATE emcCu FOR bcv AT ADDRESS address.**

*Explanation:* XBM cannot locate the EMC Symmetrix control unit for the BCV shown.

*User response:* Make sure the BCV unit selected is a valid device. For further assistance, contact BMC Customer Support.

**BMC73354I**  
**REQUESTED command SUCCESSFULLY INITIATED, ELAPSED TIME=** numberSeconds SECONDS

*Explanation:* The SSI component started the requested command successfully. The amount of time reported as elapsed is the amount of time spent passing the request from the XBM subsystem to the appropriate storage vendor API. The elapsed time does not necessarily include the amount of time required to execute the function, especially if the request is asynchronous.

*User response:* No action is required.
**BMC73355I**  ssid PPRC primary device address(deviceNumber), PPRC secondary device address(deviceNumber)

*Explanation:* This informational message indicates the address and the device number of the primary and secondary device that were affected by the command identified in BMC73354I.

*User response:* No action is required.

**BMC73356I**  STD DEVICE address(SymmetrixDeviceNumber)BCV DEVICE address(SymmetrixDeviceNumber)PPRC DEVICE address(SSID)

*Explanation:* This informational message indicates the address of the named device. For an EMC device, the message also shows the Symmetrix device number. For a PPRC device, the message also shows the control unit subsystem ID (SSID).

*User response:* No action is required.

**BMC73357I**  MICROCODE LEVEL OF DEVICE address(deviceNumber) DOES NOT SUPPORT command REQUEST

*Explanation:* The command that you requested cannot be performed by the named device because the device’s microcode level does not support that functionality.

*User response:* No action is required. To perform the requested command on the named device, upgrade the device to a later microcode level that supports that functionality.

**BMC73358I**  SNAP dataSetName/volser FOR source IS target

*Explanation:* The target location shown is where the source data set or volume will be copied during the hardware snapshot.

*User response:* No action is required.

**BMC73359I**  echo

*Explanation:* The echoed text is an error message issued by the intelligent storage hardware device program that XBM invokes to process data set-level snapshots.

*User response:* Look for other error messages to diagnose the cause of the echoed error. For further assistance, contact BMC Customer Support and provide the text echoed in the message.

**BMC73360E**  errorType ERROR FOR DEVICE volser AT address

*Explanation:* XBM encountered an error while processing S/R or snapshot operations for a hardware device object. Error types include:
<table>
<thead>
<tr>
<th>Error type</th>
<th>Description</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO-MATCH OR SPLIT</td>
<td>The mirror being established for the hardware snapshot has been split before completion or is no longer available.</td>
<td>Ensure the device is available and the operation is valid for the device. Retry the operation.</td>
</tr>
<tr>
<td>TIMEOUT</td>
<td>A timeout occurred during an operation that attempted to access the named device.</td>
<td></td>
</tr>
</tbody>
</table>

**BMC73361E**

**function NOT CURRENTLY ALLOWED, NO OTHER COMPONENT ACTIVE**

*Explanation:* The named function you attempted cannot be performed because a required XBM component, such as the DB2 component, is not active.

*User response:* First make sure all required XBM components are active, and then retry the function.

**BMC73362E**

**MIRROR DEVICE AT address FOR PRIMARY DEVICE deviceName condition.**

*Explanation:* The operation attempted against this mirrored device cannot execute because another process has control of the primary device. The *address* value represents the address of the mirrored device. The *deviceName* value represents the name of the primary device. The *condition* value represents one of the following conditions:

- in use by this XBM subsystem
- in use by another process in this XBM subsystem
- in use by *jobName* on system *systemName*
- GQSCAN error, Rc = *reasonCode*, unable to determine
- not in use

*User response:* Wait until the active process completes and releases the mirrored device, and try the operation again.

**BMC73363I**

**EMC TIMEFINDER © COPYRIGHT EMC CORPORATION**

*Explanation:* This message provides the copyright statement for the EMC TimeFinder product.

*User response:* No action is required.

**BMC73364E**

**ANTP messageNumber messageText**

*Explanation:* This message echoes an IBM-issued error message for your convenience. If the error code that is returned by the ANTP API does not have
an accompanying message associated with it, XBM will indicate that no message is available and will display the IBM reason and return code.

User response: See your vendor documentation for information regarding the error message, reason code, and return code.

**BMC73365I**  
**SSID** SSI ASSISTED SNAPSHOT REQUESTED BY MANAGEMENT SET BUT NOT ALLOWED BY SSI COMPONENT OPTIONS.

*Explanation:* A hardware snapshot was specified for the snapshot template in this management set, but SSI component options are not set to allow hardware snapshots.

*User response:* Change the SSI options to allow hardware snapshots.

**BMC73366E**  
**REQUIRED statement** DD STATEMENT NOT AVAILABLE FOR *programName* PROCESSING.

*Explanation:* The named DD statement is not available for use by the named data set-level snapshot program.

*User response:* Contact BMC Customer Support for assistance.

**BMC73367I**  
**PRIOR snap ACTION USED FOR *dataSetName***

*Explanation:* XBM did not issue a snap for the named component of a VSAM cluster. Instead, XBM used a prior snap that occurred for another component in the same VSAM cluster.

*User response:* No action is required.

**BMC73368E**  
**UNABLE TO WRITE SYSIN RECORD FOR *programName* PROCESSING**

*Explanation:* Hardware device data set-level snapshot processing could not write the SYSIN control card for the named data set-level snapshot program.

*User response:* Contact BMC Customer Support for assistance.

**BMC73369E**  
**UNABLE TO CREATE SUBTASK FOR *programName* PROCESSING**

*Explanation:* The subtask could not be created that is required to execute the named data set-level snapshot program.

*User response:* Contact BMC Customer Support for assistance.

**BMC73370E**  
**variable**

*Explanation:* If an error occurred during data set-level snapshot processing, this message echoes the snapshot control cards and messages.

*User response:* If requested, provide the information contained in this message to BMC Customer Support.
**BMC73371**  IDCAMS PROCESS REQUEST ENDED, RETURN CODE= returnCode

*Explanation:* The return code displayed indicates the result of the IDCAMS delete request, used to flush the temporary data set required for data set-level snapshot processing.

*User response:* No action is required.

**BMC73372**  UNABLE TO PERFORM SNAP REQUEST FOR dataSetName/volser, errorDescription

*Explanation:* The data set-level snapshot request for the named data set or volume failed. The *errorDescription* text describes the reason for the error.

*User response:* Review the following table to determine your response. If you cannot resolve the error, contact BMC Customer Support for assistance.

<table>
<thead>
<tr>
<th>Error description</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>no volser list</td>
<td>XBM was unable to determine a usable set of target volumes to satisfy the request. Check the preceding error message for the cause of the failure and follow the suggested user response for that message.</td>
</tr>
<tr>
<td>not snappable</td>
<td>One or more volumes cannot be snapped. Possible causes are as follows:</td>
</tr>
<tr>
<td></td>
<td>■ The target volume does not support data set snap.</td>
</tr>
<tr>
<td></td>
<td>■ The target volume was unavailable.</td>
</tr>
<tr>
<td></td>
<td>■ The target volume was added to the system after XBM was started and was not found through device discovery.</td>
</tr>
<tr>
<td></td>
<td>■ EMC TimeFinder support was not available. Review BMC73390I in SYSPRINT to determine the status of EMC TimeFinder support during the SSI component initialization.</td>
</tr>
<tr>
<td>invalid request</td>
<td>XBM received an invalid request from a snapshot-enabled utility. Contact BMC Customer Support for assistance.</td>
</tr>
</tbody>
</table>

**BMC73373**  SNAP VERIFICATION FAILED, errorDescription

*Explanation:* Snapshot verification failed for the reason displayed in the error description. Possible reasons are described in the following table.
<table>
<thead>
<tr>
<th>Error description</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>SNAP support not available</td>
<td>The SSI component is not completely initialized.</td>
</tr>
<tr>
<td>Device does not support SNAP</td>
<td>One or more volumes where some portion of the data resides does not support data set snapshot processing.</td>
</tr>
<tr>
<td>Mixed functionality not supported</td>
<td>Some of the volumes have incompatible functionality.</td>
</tr>
<tr>
<td>SPHERE(YES) not supported</td>
<td>The cluster contains objects that are logically connected for SPHERE processing and SPHERE processing is not supported.</td>
</tr>
<tr>
<td>SYMMETRIX microcode level does not support SNAP</td>
<td>The EMC Symmetrix microcode level not sufficient for data set snapshot.</td>
</tr>
<tr>
<td>No data set name specified</td>
<td>XBM could not verify the input data set.</td>
</tr>
<tr>
<td>Unable to locate VOLSERs</td>
<td>The allocation for the data set could not be found.</td>
</tr>
<tr>
<td>VSAM cluster with no DATA component</td>
<td>The cluster does not have a data component. The cluster must have data component to be processed by XBM.</td>
</tr>
<tr>
<td>VSAM cluster with no devices for DATA component</td>
<td>The allocation for the data component could not be found.</td>
</tr>
<tr>
<td>Not a VSAM cluster or no devices found</td>
<td>The cluster name could not be found. For a VSAM data set, the cluster name must be provided</td>
</tr>
</tbody>
</table>

**User response:** Correct the error and retry the operation.

**BMC73374E**

**DEVICE API INTERNAL ERROR**

**Explanation:** An unexpected internal error occurred while attempting to communicate with a hardware storage device.

**User response:** Contact BMC Customer Support for assistance.

**BMC73375E**

**SNAP SUBTASK PROGRAM program ABENDED WITH S code**

**Explanation:** The displayed code signifies the reason the named program abended.

**User response:** If you cannot correct the problem using the information provided, contact BMC Customer Support for assistance.

**BMC73376E**

**XBM INSTANT SNAPSHOT NOT ALLOWED BY SSI COMPONENT OPTIONS**

**Explanation:** An Instant Snapshot was attempted; however, Instant Snapshot processing is not enabled in the options for the SSI component. The snapshot fails.

**User response:** Update the Allow Instant Snapshot specification on the SSI Options subpanel in the XBM ISPF interface to enable Instant Snapshots.
**BMC73377W**  
**NO DESTINATION AVAILABLE FOR SNAP PROCESSING**

_Explanation:_ A data set-level snapshot was requested, but no destination was specified. XBM then searched for an eligible volume for a destination but found none available.

_User response:_ If the snapshot fails, specify destination information and then retry the snapshot operation.

**BMC73378E**  
**S/R GROUP**  
`groupName action errorDescription`

_Explanation:_ A utility requested an action for the named suspend/resume group, but XBM cannot complete the action for the reason indicated in the error description. Possible errors are described in the following table.

<table>
<thead>
<tr>
<th>Error description</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invalid Suspend/Resume function request</td>
<td>XBM received an invalid request from a suspend/resume utility.</td>
</tr>
<tr>
<td>SSI component not available</td>
<td>The suspend/resume function requires the SSI component, and it is not currently active.</td>
</tr>
<tr>
<td>Group not found</td>
<td>XBM attempted to retrieve the named suspend/resume group, but could not find a group with that name.</td>
</tr>
<tr>
<td>Group is a duplicate</td>
<td>An attempt was made to create the named suspend/resume group, but a group with that name already exists.</td>
</tr>
</tbody>
</table>

_User response:_ Review the error description contained within the message and review related messages from the associated utility. Correct the error if possible, and re-execute. For further assistance, contact BMC Customer Support.

**BMC73379W**  
**S/R DEVICE**  
`deviceNumber AT deviceAddress errorDescription`

_Explanation:_ XBM cannot complete an action for the named device for the reason indicated in the error description. Possible errors are described in the following table.

<table>
<thead>
<tr>
<th>Error description</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is not mirrored</td>
<td>Intent-to-suspend was set for this suspend/resume group and a volume for this entry is not currently mirrored.</td>
</tr>
<tr>
<td>Device suspend was unsuccessful</td>
<td>An error occurred attempting to suspend the mirrored volume.</td>
</tr>
<tr>
<td>Device resume was unsuccessful</td>
<td>An error occurred attempting to resume mirroring of the volume.</td>
</tr>
</tbody>
</table>

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_Bakcup and Recovery Products for DB2 Messages Manual_
### Error description

<table>
<thead>
<tr>
<th>Error description</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unable to protect device</td>
<td>The device is currently in use or protected by another XBM process or a different XBM subsystem and cannot be used in the current operation.</td>
</tr>
<tr>
<td>See prior error for this device</td>
<td>A prior error occurred for this device, preventing the current request.</td>
</tr>
<tr>
<td>Device protected by another process</td>
<td>The device is currently in use or protected by another XBM process or a different XBM subsystem and cannot be used in the current operation.</td>
</tr>
<tr>
<td>Suspend failed</td>
<td>The suspend request for the named device was unsuccessful. This device will not be used in the requested activity.</td>
</tr>
<tr>
<td>Mirror no longer valid</td>
<td>The suspended mirror is now associated with another device and is no longer valid.</td>
</tr>
<tr>
<td>Resume failed</td>
<td>The attempt to re-mirror failed for this device.</td>
</tr>
</tbody>
</table>

**User response:** Review the error description contained within the message, review related messages from the associated utility, and verify mirroring status of devices. Correct the error if possible, and re-execute. For further assistance, contact BMC Customer Support.

**BMC73380E**

**S/R GROUP groupName, errorDescription**

**Explanation:** XBM cannot complete an action for the named suspend/resume group for the reason indicated in the error description. Possible errors are described in the following table.

<table>
<thead>
<tr>
<th>Error description</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invalid data set or volume name</td>
<td>An attempt was made to use an invalid data set or volume name.</td>
</tr>
<tr>
<td>Device not found</td>
<td>The disk volumes associated with this entry could not be found.</td>
</tr>
<tr>
<td>Group was already suspended</td>
<td>A utility attempted to suspend a suspend/resume group that was already suspended.</td>
</tr>
<tr>
<td>No volumes to suspend</td>
<td>A suspend request was issued for a suspend/resume group for which no entries were on mirrored volumes.</td>
</tr>
<tr>
<td>Suspend failed for all devices</td>
<td>A suspend request was issued for a suspend/resume group and none of the associated volumes were successfully suspended.</td>
</tr>
<tr>
<td>Error description</td>
<td>Meaning</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Group is not suspended</td>
<td>A resume request was issued for a suspend/resume group and the group was not suspended.</td>
</tr>
</tbody>
</table>

User response: Review the error description contained within the message, review related messages from the associated utility, and verify mirroring status of devices. Correct the error if possible, and re-execute. For further assistance, contact BMC Customer Support.

**BMC73381**

ENTRY entry ADDED TO S/R GROUP **groupName**, RETURN CODE = **returnCode**, REASON CODE = **reasonCode**

Explanation: The named entry was added to the named suspend/resume group. The displayed reason and return codes provide feedback and diagnostic information about the individual entries added to the suspend/resume group.

User response: No action is required.

**BMC73382E**

S/R ENTRY **entryName** **errorDescription**

Explanation: XBM cannot complete an action for the named suspend/resume entry for the reason indicated in the error description. Possible errors are described in the following table.

<table>
<thead>
<tr>
<th>Error description</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entry is already active</td>
<td>An attempt was made to activate I/O to a suspend/resume entry that was already active.</td>
</tr>
<tr>
<td>No volumes found for this entry a</td>
<td>XBM was attempting to suspend a suspend/resume pair but found no volumes to suspend.</td>
</tr>
<tr>
<td>I/O interface for this entry no longer valid</td>
<td>An error occurred locating the I/O interface for this object.</td>
</tr>
<tr>
<td>No storage for ESMXIO</td>
<td>XBM private storage was not available to create a necessary control block. If you get this error, increase the XBM region size, restart XBM, and retry the failing operation.</td>
</tr>
<tr>
<td>No storage for XMTOKEN</td>
<td>CSA storage was not available. XBM could not obtain a small amount of CSA for control blocks.</td>
</tr>
<tr>
<td>Get ESMVOL failed a</td>
<td>XBM was unable to locate a volume for a suspend/resume pair.</td>
</tr>
<tr>
<td>Extent build failed a</td>
<td>An internal XBM process failed. Note: If you get this problem, in addition to the XBM DTRACE log, have a print out of the results of executing IDCAMS LISTCAT ALL ENTRIES(data_set) available when you call for assistance.</td>
</tr>
<tr>
<td>XMTOKEN for this entry no longer valid a</td>
<td>An internal XBM process failed.</td>
</tr>
<tr>
<td>Error description</td>
<td>Meaning</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ESMXIO for this entry no longer valid</td>
<td>An internal XBM process failed.</td>
</tr>
</tbody>
</table>

a If this problem occurs, call BMC Customer Support for assistance. Ensure that you have the XBM DTRACE log from the time of the error and an XBM address dump available when you call.

**User response:** Review the error description contained within the message, review related messages from the associated utility, and verify mirroring status of devices. Correct the error if possible, and re-execute. For further assistance, contact BMC Customer Support.

**BMC73383E**  
**S/R GROUP** *groupName*, **DUPLICATE ENTRY ERROR, entryName**  
**Explanation:** An attempt was made to add an entry to the named suspend/resume group but an entry with that name already exists for the group.  
**User response:** Review the messages from the associated utility to determine the action.

**BMC73384E**  
**UNABLE TO PERFORM RECOVER ACTION ON DEVICE** *deviceAddress*,  
**UNABLE TO FIND MATCHING PRIMARY DEVICE**  
**Explanation:** XBM attempted to recover the named device, but was unable to find the matching primary device.  
**User response:** Review error messages from the associated utility. Use the information in all related messages, correct the error if possible, and re-execute. If necessary, consult the documentation for your hardware. For further assistance, contact BMC Customer Support.

**BMC73390I**  
**xbmssid** EMC Symmetrix Control Facility (SCF) task version *versionNumber versionDate*  
**xbmssid** EMC Symmetrix Control Facility (SCF) task not found. Timefinder support unavailable  
**xbmssid** EMC Symmetrix Control Facility (SCF) task is available. Enabling TimeFinder support  
**xbmssid** EMC Symmetrix Control Facility (SCF) task EMCQCAPI version *versionNumber versionDate*  
**Explanation:** XBM displays this informational message to indicate the status of the SCF task. The message varies depending on the status of the SCF task:

- If the SCF task is running when the XBM subsystem starts, the message indicates the version number and date of the SCF module.
- If the SCF task is running with the EMCQCAPI module, the message indicates the version number and date of the SCF module.
- If the XBM subsystem cannot find the SCF task when XBM starts, the message reports that the task was not found.
If the XBM subsystem found the SCF task when XBM starts, XBM continues to look for the task as it is running. If the SCF task stops and restarts, XBM produces a message to indicate when the SCF task becomes available again.

User response: If the XBM subsystem cannot find the SCF task, ensure that the SCF task modules are available to XBM through the LINKLIST or the XBM STEPLIB library. Then, start the SCF task and restart the SSI component. XBM requires the SCF task to communicate with EMC Symmetrix hardware. Otherwise, no action is required.

**BMC73392E**

**xbmssid EMC Symmetrix Control Facility (SCF) task is no longer active.**

**TimeFinder support unavailable**

Explaination: This message indicates that the SCF task is not started or that the EMC TimeFinder/Snap product is not available. XBM cannot support TimeFinder devices until the SCF task is restarted or until EMC TimeFinder/Snap is installed and configured correctly.

User response: If the SCF task is not started, restart the task. After the task has been restarted, XBM displays message BMC73390I to indicate that TimeFinder support has been enabled. If the EMC TimeFinder/Snap has not been installed, obtain and install that product if you are performing data-set-level or Instant Snapshots. Contact EMC for more information about EMC TimeFinder/Snap.

**BMC73393I**

**SSI component needs to be restarted**

Explaination: XBM has detected that one or more DASD devices have been dynamically added to the current MVS I/O configuration. You must stop and restart the SSI component in order for XBM to support the added devices. The message will be not be reissued until the SSI component has been stopped and restarted.

This message appears on the console so that you can use automation tools to take action based upon its appearance. You can find information about individual devices that are added or deleted in the XBM SYSPRINT output.

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**Note**

Dynamic I/O configuration changes can have a negative impact on hardware snapshots.

User response: Stop and restart the SSI component.

**BMC73394I**

**Device deviceNumber-UCB dynamically added**

**Device deviceNumber-UCB dynamically deleted**

Explaination: XBM has detected that one or more DASD devices have been dynamically added or deleted from the current MVS I/O configuration. This message appears in the XBM SYSPRINT output for each DASD device that is added or deleted and provides a history of dynamic device changes.
**Note**
Dynamic I/O configuration changes can have a negative impact on hardware snapshots.

*User response:* No response is required. If devices were added, you might need to restart the SSI component (see message BMC73493I).

**BMC73395i**
Ignoring *functionality* return code = *returnCode*, reason code = *reasonCode*, ext-rc = *externalReasonCode* *(explanation)*, device = *deviceNumber*.

*Explanation:* The displayed reason and return codes are issued by the hardware device of the named functionality type and are repeated here for your convenience.

*User response:* No action is required.

## Messages BMC73400 through BMC73499

This group includes messages for the EXTENDED BUFFER MANAGER product and its associated SNAPSHOT UPGRADE FEATURE technology.

**BMC73400E**
UTILITY JOB *jobName* DOES NOT SUPPORT RESPONSE PROCESSING.

*Explanation:* The named utility job does not support command processing.

*User response:* No action is required.

**BMC73401E**
UTILITY JOB *jobName* IS NOT CURRENTLY ACTIVE.

*Explanation:* The named utility job is inactive and unavailable for the operation you attempted. You might have requested the operation just before the job’s completion.

*User response:* No action is required.

**BMC73402E**
NO COMMANDS HAVE BEEN SENT FOR UTILITY JOB *jobName* OR RESPONSE HAS TIMED OUT.

*Explanation:* The command that you sent to the named utility job probably timed out before processing could occur.

*User response:* Resend the command while the utility is active. For further assistance, contact BMC Customer Support.

**BMC73403E**
UTILITY JOB *jobName* HAS TIMED OUT WHILE PROCESSING PREVIOUS COMMAND.

*Explanation:* The named utility job was unable to complete processing before its allotted time because of a previously issued command.

*User response:* Contact BMC Customer Support for assistance.
**BMC73404I**  
**VIEW IS BY name**  
*Explanation:* Items in the list you are viewing are being displayed by name.  
*User response:* No action is required.

**BMC73405I**  
**NO UTILITY JOBS MATCH CURRENT SELECTION CRITERIA.**  
*Explanation:* The operation that you attempted cannot be performed because no utility jobs were selected that were valid for the operation.  
*User response:* Retry your operation on a utility job valid for the operation. If you are in a data sharing environment and are displaying remote XBM subsystems, ensure that the PSS component is active on all XBM subsystems in the data sharing group.

**BMC73406E**  
**FILE IS CURRENTLY IN USE BY ANOTHER USER**  
*Explanation:* Another user currently has access to the file you are trying to modify. The operation you are trying to perform requires that you have exclusive use of the file.  
*User response:* Retry your operation.

**BMC73407I**  
**OPTIONS LAST CHANGED ON timestamp**  
*Explanation:* You last changed an XBM option at the timestamp indicated.  
*User response:* No action is required.

**BMC73408E**  
**THIS COPY JOB IS NOT USING SNAPSHOT.**  
*Explanation:* The copy job you are running is not performing a Snapshot Copy; therefore, snapshot performance statistics are unavailable.  
*User response:* No action is required.

**BMC73409E**  
**NO XBM SUBSYSTEMS MATCHED THE PATTERN.**  
*Explanation:* The pattern-matching characters you entered to identify one or more XBM subsystem IDs identified no XBM subsystems.  
*User response:* Re-enter a set of pattern-matching characters that will identify one or more XBM subsystems. Alternatively, you can enter a specific XBM subsystem ID.

**BMC73410E**  
**COUPLING FACILITY DATA NOT AVAILABLE.**  
*Explanation:* The PSS component is disabled.  
*User response:* First, check the status of the PSS component. Likely reasons for the component’s unavailability are that the component is unlicensed, or the data sharing group name or join option is not set on the PSS Options subpanel. If you cannot determine the cause of the unavailability, contact BMC Customer Support.
BMC73411I  THIS REQUEST WILL RETURN MORE DATA SETS THAN XBM CAN
HANDLE. PLEASE PRESS ENTER AND FILTER YOUR REQUEST ON THE
FOLLOWING SCREEN.

Explanation: The XBM TSO session region size is not large enough to store the
number of items returned from the XBM task.

User response: No action is required. However, after this message appears, the
view selection dialog box will display. This screen gives you the opportunity to
refine your selection criteria so the number of data sets returned is a more
manageable number.

BMC73413I  LOG APPLY PHASE HAS NOT YET BEEN ENTERED.

Explanation: The command you entered cannot be processed by the utility
until the utility enters the log apply phase.

User response: No action is required.

BMC73414E  END ADDRESS MUST BE GREATER THAN START ADDRESS. PLEASE
REENTER.

Explanation: XBM requires an end address that is larger than the start address.

User response: Re-enter an appropriate address.

BMC73415I  Select only one item.

Explanation: When the selection was made, more than one item was chosen.
Only one item can be selected at a time.

User response: Perform another selection but specify only one item.

BMC73416I  NO DEVICES FOUND TO hardwareCommand.

Explanation: No hardware devices were found that the named hardware
command could be issued against.

User response: Check to make sure you issued the command against the
appropriate hardware device.

BMC73417E  SELECT A deviceType DEVICE FOR THE REQUEST.

Explanation: The device selected is invalid for this request.

User response: Select the named device type for the request and retry the
operation.

BMC73418E  SELECTED DEVICE IS ALREADY SYNCHRONIZED.

Explanation: XBM is unable to synchronize the selected device because the
device has already been synchronized.

User response: No action is required.
**BMC73419I**  SELECTED DEVICE IS NOT SYNCHRONIZED.

*Explanation:* The selected device has not been synchronized, and the requested action is valid only for a synchronized device.

*User response:* Select a synchronized device and retry the requested action.

**BMC73420E**  SSI MONITOR IS ALREADY ACTIVE.

*Explanation:* An SSI monitor cannot be activated because one is already active.

*User response:* Return to the currently active SSI monitor.

**BMC73421I**  THE REQUESTED HARDWARE DEVICES CANNOT BE DISPLAYED IN THE MONITOR.

*Explanation:* XBM cannot display the list of requested hardware devices in the ISPF interface. This problem can occur in the following situations:

- No hardware devices match the selection criteria that you entered.
- The PSS or SSI component is not active on the remote XBM subsystem that you are trying to display.
- Too much data is being generated by a remote XBM subsystem. The *Remote XBM subsystem size limit* field in the PSS options controls the amount of data that can be returned from the remote XBM subsystem, while the *Remote XBM subsystem time-out* field controls how long XBM should wait for a response from the remote XBM subsystem before timing out. If the query returns more data than this size limit or if it takes too long for XBM to receive the data from the remote XBM subsystem, XBM is unable to display the hardware device list.

*User response:* The response depends upon the condition under which the message occurred. Review the following table to determine the appropriate user response.

<table>
<thead>
<tr>
<th>Condition</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entering selection criteria for hardware devices</td>
<td>Ensure that the search criteria that you entered is correct to match the hardware devices that you want to display.</td>
</tr>
<tr>
<td>Condition</td>
<td>User response</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| Displaying data sets on a remote XBM subsystem                           | ■ Ensure that the PSS and SSI component are active on the requested remote XBM subsystem. At least two members in the data sharing group must be active to display a remote XBM subsystem.  
  ■ Review the **Remote XBM subsystem size limit** and **Remote XBM subsystem time-out** fields in the PSS options and ensure that the values are large enough to support the amount of data that you want to display. BMC recommends adjusting this number conservatively because it can have an impact on XCF performance. For each thousand lines of data, XBM requires approximately a 1-MB message size. |

**BMC73422I**  
**ONE OR MORE MESSAGES WERE ISSUED DURING ACTIVATION.**  
*Explanation:* XBM issued one or more error messages as a result of the activation of a control structure. Although the control structure might have been specified correctly, a dependent control structure lacks supporting specifications. For example, a management set might have been activated with a corresponding configuration that specified no cache.  
*User response:* No action is required. However, you should review SYSPRINT to determine which error messages were issued. See the descriptions of those error messages to determine the cause of the error.

**BMC73423E**  
**UNEXPECTED ERROR. LAST ISPF FUNCTION CODE = functionCode, LAST RETURN CODE = returnCode.**  
*Explanation:* The XBM ISPF interface encountered an unexpected error. The last function code and return code issued are displayed to assist with error diagnosis.  
*User response:* Contact BMC Customer Support and provide the function code, reason code, and what operation you were performing when the error occurred.

**BMC73424I**  
**ERROR DURING DEVICE DISCOVERY.**  
*Explanation:* The XBM subsystem encountered an error while attempting hardware device discovery.  
*User response:* If you cannot determine the cause of the problem, contact BMC Customer Support.
**BMC73425E**  
**PEER-TO-PEER MONITOR IS ALREADY ACTIVE**  
*Explanation:* An attempt was made to invoke the PPRC monitor, but the monitor is already active and cannot be invoked again.  
*User response:* No action is required.

**BMC73426I**  
**SECONDARY SUSPENDED ON timestamp.**  
*Explanation:* This message displays the time at which the device was suspended.  
*User response:* No action is required.

**BMC73427E**  
**SELECT A PRIMARY DEVICE FOR THIS OPERATION.**  
*Explanation:* The operation chosen cannot be performed on the selected device.  
*User response:* Select a primary device and retry the attempted operation.

**BMC73428E**  
**SELECT A PRIMARY OR SECONDARY DEVICE FOR THIS OPERATION.**  
*Explanation:* The operation chosen cannot be performed on the selected device.  
*User response:* Select a primary or a secondary device and retry the attempted operation.

**BMC73429I**  
**MANAGEMENT SET CONTAINS 200 OR MORE MANAGED OBJECTS.**  
*Explanation:* The number of objects you are trying to add to the management set exceeds the 200-object limit. You cannot save a management set with more than 200 objects.  
*User response:* Reduce the number of objects you are adding to the management set. You can also split the management set into two smaller management sets and add them both to one group.

**BMC73430E**  
**SELECT A DUPLEX DEVICE FOR THIS OPERATION.**  
*Explanation:* The operation chosen cannot be performed on the selected device.  
*User response:* Select a duplex device and retry the attempted operation.

**BMC73431E**  
**SELECT A SUSPENDED DEVICE FOR THIS OPERATION**  
*Explanation:* The operation chosen cannot be performed on the selected device.  
*User response:* Select a suspended device and retry the attempted operation.

**BMC73432E**  
**SELECT A SUSPENDED SECONDARY DEVICE FOR THIS OPERATION.**  
*Explanation:* The recover operation cannot be performed unless the selected device is a suspended secondary device.  
*User response:* To perform a recovery procedure on a PPRC device, ensure that the device selected is a suspended, secondary device.
**BMC73433I**  **NON FILTERING SELECTION IGNORED.**

*Explanation:* This message appears when user view selection is enabled and a monitor is accessed from the File List panel or another monitor.

*User response:* No action is required.

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**BMC73438I**  **Unable to locate requested target device.**

*Explanation:* XBM cannot locate the target device for the Establish Pair command by using the specified target information.

*User response:* Determine the correct information for the hardware device and resubmit the command.

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**BMC73439I**  **Value must be less than 511 gigabytes.**

*Explanation:* The specified cache size of pageable virtual storage or fixed variable storage is greater than 511 GB. XBM does not support cache sizes above 511 GB.

*User response:* Specify a value of 511 GB or less for the cache size.

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**BMC73440E**  **No remote XBM subsystems found.**

*Explanation:* XBM was unable to find a remote XBM subsystem to display when requested to do so through the VIEWXBM command or the View XBM Subsystem menu option. The PSS component is not active or no other XBM subsystems exist in the same XCF group as the local XBM subsystem.

*User response:* If the local XBM subsystem should be part of an XCF group in a data sharing environment, restart the PSS component and ensure that all XBM subsystems are started correctly. Otherwise, no action is required.

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**BMC73441E**  **PSS COMPONENT IS NOT ACTIVE.**

*Explanation:* The XBM ISPF interface could not connect to the PSS component to process the command or menu option that was issued.

*User response:* If you issue commands for remote XBM subsystems, you must ensure that the PSS component is active and available. The PSS component manages the communication between remote XBM subsystems and the local XBM subsystem. If you are not in a data sharing environment, no action is required.

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**BMC73442I**  **The remote XBM subsystem is displayed in view-only mode.**

*Explanation:* The XBM ISPF interface is currently displaying a remote XBM subsystem. Remote XBM subsystems can only be viewed. You cannot perform any actions on the objects or devices that are being displayed.

*User response:* No action is required. If you need to perform the action for the remote XBM subsystem, log on to that XBM subsystem locally or use the ROUTE command (if applicable) to route the command. For more information, see the EXTENDED BUFFER MANAGER and SNAPSHOT UPGRADE FEATURE User Guide.
Snap operation failed, reason

Explanation: The virtual volume snapshot operation failed for the specified reason.

User response: Contact BMC Customer Support.

Messages BMC73500 through BMC73599

This group includes messages for the EXTENDED BUFFER MANAGER product and its associated SNAPSHOT UPGRADE FEATURE technology.

BMC73500I  DB2 COMPONENT MONITORING FOR DB2SubsystemIdentifier VERSION versionNumber INITIALIZED [supportStatus]

Explanation: The XBM DB2 component has been started on the DB2 subsystem named in the message. All DB2 subsystems defined to this MVS system image are automatically initialized.

User response: No action is required.

BMC73501I  DB2 COMPONENT COMMON STORAGE USED = nnn K

Explanation: The XBM subsystem DB2 component is using nnn K of MVS common storage.

User response: No action is required.

BMC73502I  DB2 COMPONENT COMPRESSION FAILURES = nnn

Explanation: XBM failed to compress a page due to insufficient working storage. This has happened nnn times since XBM was initialized.

User response: No action is required. If the situation persists, contact BMC Customer Support for assistance.

BMC73503I  DB2 COMPONENT EXPANSION FAILURES = nnn

Explanation: XBM failed to expand a compressed page due to insufficient working storage. This problem is included as an XBM read failure, and the page must be read from DASD by DB2. This has happened nnn times since XBM was initialized.

User response: No action is required. If the situation persists, contact BMC Customer Support for assistance.

BMC73504I  TERMINATION CLEANUP PERFORMED FOR DB2 SUBSYSTEM DB2SubsystemName

Explanation: A DB2 subsystem has terminated and XBM performed its normal cleanup to stop monitoring that DB2 subsystem named DB2SubsystemName.

User response: No action is required.
BMC73505I  UNSUPPORTED SHARE OPTIONS FOR DB2 DATA SET dataSetName
Explanation: The DB2 data set does not have the appropriate share options associated with DB2 table spaces.
User response: Check to ensure that this is a valid DB2 object. For assistance, contact BMC Customer Support and report the information in the message.

BMC73506E  OBJECT NOT CACHED, DB2 DATA SHARING ENVIRONMENT DETECTED FOR dataSetName
Explanation: The DB2 data set was not cached because the data set is defined to be shared across DB2 systems.
User response: Check to ensure that this data set should be defined for data sharing. Also, make sure the PSS component is active. For assistance, contact BMC Customer Support and report the information in the message.

BMC73550I  TERMINATION CLEANUP PERFORMED FOR SNAPSHOT JOB jobName
Explanation: A snapshot job has terminated abnormally. XBM has performed normal cleanup to stop monitoring that snapshot job named jobName.
User response: No action is required.

BMC73551I  DATA SET dataSetName REGISTERED FOR SNAPSHOT
Explanation: A data set has been registered to use the snapshot component of XBM.
User response: No action is required.

BMC73552I  SNAPSHOT STARTED FOR JOB jobName DATA SET dataSetName
Explanation: A snapshot job jobName has started running with access registered for data set dataSetName.
User response: No action is required.

BMC73553I  SNAPSHOT STOPPED FOR JOB jobName DATA SET dataSetName
RETURN CODE = returnCode,
REASON CODE = reasonCode
Explanation: A snapshot job jobName has stopped for data set dataSetName. For return code explanations, see General snapshot utility codes on page 24.
User response: For nonzero return codes, make the appropriate changes and rerun the snapshot job. For assistance, contact BMC Customer Support and report the information in the message.

BMC73554I  SNAPSHOT IS RESTART PENDING FOR DATA SET dataSetName
Explanation: The utility job did not successfully complete and snapshot for the named data set is in restart pending status.
User response: Restart the utility processing the snapshot data set, or terminate the snapshot for this data set if the utility is not restarted.
BMC73555I  SNAPSHOTS OF DATA SET dataSetName RESTARTED BY JOB jobName
Explanation: A snapshot restart has been initiated for this data set.
User response: No action is required.

BMC73556I  SNAPSHOTS TERMINATED FOR JOB jobName, DATA SET dataSetName,
RETURN CODE = returnCode, REASON CODE = reasonCode
Explanation: A snapshot was terminated for this data set.
User response: For nonzero return codes, make the appropriate changes and rerun the snapshot job. For assistance, contact BMC Customer Support and report the information in the message.

BMC73557I  SNAPSHOTS JOB jobName CURRENTLY ACTIVE FOR componentName
DATA SET dataSetName
Explanation: The XBM STOP command was issued while the named snapshot utility job for the named data set is executing; the utility job requires XBM snapshot services to complete execution. If XBM is terminated while the job is active, the executing utility might encounter unpredictable results if it requests XBM services.
User response: Before terminating XBM, wait until any executing snapshot utility requiring XBM services completes execution. To terminate XBM regardless of executing utilities, use the FORCE option of the STOP XBM command.

BMC73558I  HARDWARE DEVICES DO NOT MATCH USER REQUEST FOR SNAPSHOTS JOB jobName DATA SET dataSetName
Explanation: XBM found no hardware devices matching the description of those requested for the named snapshot job data set.
User response: No action is required.

BMC73559I  manufacturer functionality HARDWARE FEATURES USED FOR DATA SET dataSetName ON VOLUME volser
Explanation: This message displays the device manufacturer and functionality type invoked for the named data set on the named volume for this snapshot utility job.
User response: No action is required.

BMC73560I  SSI SNAPSHOTS NOT PERMITTED PER USER OPTION, SNAPSHOTS JOB jobName DATA SET dataSetName
Explanation: A hardware snapshot cannot be performed on the named snapshot job data set because the appropriate SSI options are not set.
User response: Modify SSI options to enable hardware snapshots.
**BMC73561I** MIRROR FOR VOLUME volser/deviceAddress, WILL NOT BE RESYNCHRONIZED AFTER SNAPSHOT JOB jobName

*Explanation:* An SSI option was set to prevent XBM from issuing a resynchronization for the named volume or device address after the named snapshot job. If the option was set on the SSI Options subpanel, no volume will be resynchronized after a snapshot job. If the option was set in the snapshot utility, only the volume for that utility will not be resynchronized.

*User response:* No action is required.

**BMC73564W** Snapshot dropping xbmssid on systemID due to XCF Error for data set dataSetName

*Explanation:* Due to an XCF error or a communication timeout, XBM removed XBM subsystem xbmssid on system systemID from the list of the XBM subsystems that process snapshot requests for data set dataSetName. After removing the subsystem, XBM determines whether the snapshot can continue without this XBM subsystem. If it cannot, XBM issues additional error messages and fails the snapshot job. Otherwise, snapshot processing continues for the data set.

*User response:* Determine if the XBM subsystem has failed or if the dropped XBM subsystem was stopped as part of a planned outage. The XBM DTRACE output will contain more information about the nature of the error.

**BMC73565I** xbmssid Snapshot synchronization started. Requesting information from remoteSsid on systemName.

*Explanation:* An XBM subsystem was added to the environment. The XBM subsystem identified in the xbmssid value is attempting to synchronize with the remote XBM subsystem identified in the remoteSsid value. The location of the new XBM subsystem is identified in systemName. The message varies depending on whether the XBM subsystem is requesting information from, sending information to, or receiving information from the remote XBM subsystem. This message appears for both of the XBM subsystems.

*User response:* No action is required.

**BMC73566I** xbmssid Snapshot synchronization completed; remoteSsid on systemName, Snapshots sent = n

*Explanation:* The synchronization of the XBM subsystems identified in xbmssid and remoteSsid is complete. The location of the remoteSsid is identified in systemName. The total number of snapshots passed between the XBM systems is identified in the n value.

*User response:* No action is required.
**BMC73567I**  
**xbmssid** Snapshot for data set **dataSetName** is utilizing direct I/O cache retention (I/O NoFlush)  
*Explanation:* XBM issues this informational message when a snapshot-enabled BMC utility specifies to XBM not to purge certain cache blocks after retrieval during some types of processing. This option is internal to XBM and the snapshot-enabled utility, and the message is included only for diagnostic purposes.  
*User response:* No action is required.

**BMC73575E**  
**AN ERROR OCCURRED DURING ROUTE COMMAND PROCESSING**  
*Explanation:* The ROUTE command could not be processed because a PSS component was inactive or an XCF error occurred.  
*User response:* Verify that the PSS component is active and review the log for related messages.

**BMC73576I**  
**XBM SUBSYSTEM **subsystemName** AT VERSION **versionNumber** ACTIVE ON **system**  
*Explanation:* The named XBM subsystem is currently active on the named MVS system.  
*User response:* No action is required.

**BMC73577I**  
**XBM commandName COMMAND PROCESSED**  
*Explanation:* The named command was successfully processed.  
*User response:* No action is required.

**BMC73578E**  
**UNABLE TO {START|STOP} COMPONENT PSS WITH AN XBM ROUTE COMMAND**  
*Explanation:* You cannot use the XBM ROUTE command to start or stop an XBM for PSS component. The XBM ROUTE command requires an active PSS component to complete route processing.  
*User response:* Use the MVS ROUTE command to start or stop an XBM for PSS component.

**BMC73579E**  
**ONE OR MORE XBM COMPONENTS CURRENTLY BUSY, commandName COMMAND NOT PROCESSED**  
*Explanation:* The named command will not be processed because one or more utility jobs are executing that require XBM utility monitoring services.  
*User response:* Before terminating XBM, wait until any executing utility requiring XBM utility monitoring services completes execution. To terminate XBM regardless of executing utilities, use the FORCE option of the STOP XBM command.
BMC73580E  COMPONENT componentName CURRENTLY BUSY, commandName COMMAND NOT PROCESSED

Explanation: The named command will not be processed because the named component is busy. For example, the component could be busy processing an active snapshot job.

User response: Wait until the component is no longer busy and then issue the command.

Messages BMC73600 through BMC73699

This group includes messages for the EXTENDED BUFFER MANAGER product and its associated SNAPSHOT UPGRADE FEATURE technology.

BMC73601I  VSAM COMPONENT COMMON STORAGE USED = nnn K

Explanation: The XBM subsystem and VSAM component used nnn K of MVS common storage.

User response: No action is required.

BMC73620E  xbmssid componentName is not compatible with operatingSystem at versionLevel

Explanation: The specified component of XBM is not supported for the version of the operating system upon which the XBM subsystem resides. The component will not start on this system.

User response: You can use this component only on supported levels of the specified operating system. For information about the operating systems that XBM supports, see the EXTENDED BUFFER MANAGER and SNAPSHOT UPGRADE FEATURE Installation Guide.

BMC73650E  IMS COMPONENT UNABLE TO INITIALIZE MVS CONTROL BLOCKS

Explanation: The IMS component cannot initialize I/O monitoring. This initialization occurs at XBM start-up.

User response: If you cannot determine the cause of the problem, contact BMC Customer Support for assistance.

BMC73651I  IMS COMPONENT COMMON STORAGE USED = nnn K

Explanation: The XBM subsystem IMS component used nnn K of MVS common storage.

User response: No action is required.
**BMC73652I**  
**IMS COMPONENT COMPRESSION FAILURES** = nnn  
*Explanation:* XBM failed to compress an IMS page due to insufficient working storage. This has happened nnn times since XBM was initialized.  
*User response:* No action is required. If the situation persists, contact BMC Customer Support for assistance.

**BMC73653I**  
**IMS COMPONENT EXPANSION FAILURES** = nnn  
*Explanation:* XBM failed to expand a compressed page due to insufficient working storage. Because this failure is an XBM read failure, the page must be read from the DASD file. This failure has happened nnn times since XBM was initialized.  
*User response:* No action is required. If the situation persists, contact BMC Customer Support for assistance.

**BMC73654E**  
**OBJECT NOT CACHED, BLOCK SIZE TOO SMALL FOR IMS DATA SET** dataSetName  
*Explanation:* The block size for the named data set was smaller than 512 bytes. XBM does not allow caching for data sets blocked smaller than 512 bytes.  
*User response:* If you cannot determine the cause of the problem contact BMC Customer Support for assistance.

**BMC73655I**  
**xbmssid OSAM INITIALIZATION COMPLETE**  
*Explanation:* OSAM initialization for the named XBM subsystem is complete for this IMS address space. This message is issued during region startup for all batch, SAS, control, and db-control regions after the XBM subsystem has been started. It is also issued when the XBM for IMS component is activated without the IMS region initialized for XBM. All database I/O performed in this address space and snapshot requests by IMAGE COPY PLUS are monitored by the XBM subsystem.  
*User response:* No action is required by the user. BMC Customer Support uses this diagnostic message when researching customer issues.

**BMC73656E**  
**xbmssid OSAM INTERFACE NOT ESTABLISHED FOR JOB** jobName, **REASON CODE** (reasonCode)  
*Explanation:* During XBM initialization, an attempt was made to start the named IMS job without an active XBM interface. XBM OSAM initialization and OSAM interface enablement must occur before running the named job. The IMS OSAM component will be disabled. IMS VSAM and Fast Path databases will not be affected.  
*User response:* Keep all output from the failed job, as well as the MVS system console log, any SVC dumps, and any EREP/LOGREC information. Record the reason code in the message and contact BMC Customer Support for further assistance. When you have corrected the problem, stop all IMS subsystems before restarting the XBM IMS component.


**BMC73657E**  
**xbmssid OSAM INTERFACE DISABLED**  
**Explanation:** OSAM initialization for the named XBM subsystem completed successfully for this IMS address space; however, the interface is currently disabled because one or more active IMS systems were started before XBM OSAM initialization or because an abend occurred in an interface module. IMS initialization is allowed to continue. After the OSAM interface is disabled for one or more IMS systems, caching stops and snapshot requests are rejected.  
**User response:** Stop and then restart the XBM IMS component to initialize any remaining IMS systems. Caching and snapshot requests for OSAM databases cannot be activated until all IMS systems on this MVS successfully complete XBM OSAM initialization.  

**BMC73658E**  
**xbmssid OSAM INITIALIZATION FAILED, UNSUPPORTED IMS RELEASE**  
**Explanation:** During IMS region startup, initialization for the named XBM subsystem determined that an unsupported release of IMS was active. XBM could not establish an active XBM environment. Under these conditions, XBM could potentially experience a loss of integrity for the snapshot image copy function. The unsupported IMS system could terminate with a U4065 abend.  
**User response:** Do not attempt to run XBM or SUF on the region for the unsupported IMS release. Contact BMC Customer Support to confirm the support status of your IMS release or for any required assistance.  

**BMC73659E**  
**xbmssid OSAM INITIALIZATION FAILED, REASON CODE (reasonCode)**  
**Explanation:** During IMS region startup, initialization failed for the named XBM subsystem due to a programming error. If the failure occurs during IMS startup, the region terminates abnormally with a U4065. If the failure occurs during XBM initialization, the XBM IMS component is disabled. Caching is disabled and snapshot requests are denied.  
**User response:** Keep all output from the failed job. Record the reason code in the message and contact BMC Customer Support for further assistance. To bypass XBM initialization, stop the IMS component of XBM and restart IMS. After the problem is corrected the IMS component can be reactivated; however, the OSAM interface is disabled until all IMS systems on this MVS successfully complete XBM initialization.  

**BMC73660E**  
**xbmssid OSAM INITIALIZATION FAILED, REASON CODE (reasonCode)**  
**Explanation:** During XBM startup, the named IMS OSAM component initialization failed due to an operating system problem or a programming error. The IMS OSAM component of XBM is disabled. IMS VSAM and Fast Path initialization will continue.  
**User response:** Keep all output from the failed job, as well as the MVS system console log, any SVC dumps, and any EREP/LOGREC information. Record the reason code in the message and contact BMC Customer Support for further assistance. When you have corrected the problem, stop all IMS subsystems before restarting the XBM IMS component.
BMC73661E  OBJECT NOT CACHED, dataSetName IS AN IMS RECON DATA SET

Explanation: The named object was not cached because XBM does not cache IMS RECON data sets.

User response: No action is required. However, if you inadvertently specified this data set using pattern-matching characters, refine your use of pattern-matching characters to exclude this data set from your management set.

BMC73662E  OBJECT NOT CACHED, dataSetName IS A VSO DATABASE

Explanation: The named object was not cached because XBM does not cache VSO databases.

User response: No action is required. However, if you inadvertently specified this data set using pattern-matching characters, refine your use of pattern-matching characters to exclude this data set from your management set.

BMC73663E  OBJECT NOT CACHED, dataSetName IS AN UNKNOWN FILE TYPE

Explanation: You requested caching for an undetected object. XBM has not detected the object because no I/O has occurred for the object. Caching will begin when I/O occurs for the object.

User response: No action is required.

BMC73664E  OSAM INTERFACE NOT ESTABLISHED FOR ONE OR MORE IMS JOBS, I/O CACHING DISABLED

Explanation: At XBM initialization at least one IMS job was active, preventing the XBM OSAM interface from initializing. Consequently, OSAM I/O caching is disabled. The IMS VSAM and Fast Path components will still initialize independently.

User response: Stop and restart the XBM IMS component after completion of all IMS jobs. Contact BMC Customer Support for further assistance.

BMC73665E  OSAM INTERFACE NOT ESTABLISHED FOR ONE OR MORE IMS JOBS, SNAPSHOT SUPPORT DISABLED

Explanation: At XBM initialization at least one IMS job was active, preventing the XBM OSAM interface from initializing. Consequently, snapshot utilities support for OSAM is disabled. IMS VSAM and Fast Path snapshot utilities support will still be enabled.

User response: Stop and restart the XBM IMS component after completion of all IMS jobs. Contact BMC Customer Support for further assistance.

BMC73667W  WARNING! DATA WILL NOT BE RETAINED FOR IMS VSAM dataSetName

Explanation: The named IMS VSAM data set was loaded with RETAIN=NO. The data set will be flushed from the extended buffer after the data set is closed.

User response: No action is required. However, if you want the IMS VSAM data set available for use by subsequent jobs, specify RETAIN=YES in the object’s management set.
BMC73668E OBJECT NOT CACHED, IMS DATA SHARING ENVIRONMENT DETECTED
FOR dataSetName

Explanation: The IMS data set was not cached because the data set is defined to be shared across IMS systems.

User response: Check to ensure that this data set should be defined for data sharing. Also, make sure the PSS component is active. For assistance, contact BMC Customer Support and report the information in the message.

Messages BMC73700 through BMC73799

This group includes messages for the EXTENDED BUFFER MANAGER product and its associated SNAPSHOT UPGRADE FEATURE technology.

BMC73700E KEYWORD name2 INVALID, name1 ALREADY SPECIFIED

Explanation: The keyword is invalid because it is incompatible with a previously specified keyword.

User response: Re-specify the keywords for the utility. For further assistance, contact BMC Customer Support.

BMC73701E SNAPSHOT function ERROR, RETURN CODE= returnCode REASON
reasonCode FOR DATA SET dataSetName

Explanation: The snapshot function was unable to complete. The return code will contain the specific cause in the associated BMC73702E message, if present.

User response: Correct the snapshot error and re-run. For further assistance, contact BMC Customer Support.

BMC73702E snapshotFailureCause REASON CODE= reasonCode

Explanation: The reason code and explanation for the unsuccessful XBM snapshot function are listed.

User response: Correct the snapshot error and re-run. For further assistance, contact BMC Customer Support.

BMC73703I UNABLE TO SNAPSHOT, CONCURRENT(REQUIRED) SPECIFIED,
CURRENT REQUEST WILL TERMINATE UNABLE TO SNAPSHOT,
CONCURRENT(PREFERRED) SPECIFIED, CURRENT REQUEST WILL
ATTEMPT STANDARD COPY

Explanation: A snapshot was specified and XBM was unable to cache all preimage pages. The snapshot was unable to complete. For snapshot preferred, a standard copy was attempted. For snapshot required, the copy terminated.

User response: Correct the error and re-run. For further assistance, contact BMC Customer Support.
### BMC73704E

**I/O ERROR READING RECORD**

**I/O ERROR WRITING RECORD**

**RECORD TOO LONG ERROR PROCESSING RECORD**

**RECORD TOO SHORT ERROR PROCESSING RECORD**

**Explanation:** The snapshot failed due to an inconsistency with the data record. The failure occurred with record number `number`.  
**User response:** Ensure that the data is consistent with the catalog definition and that the output record length is long enough to accommodate all input records. Contact BMC Customer Support for further assistance.

### BMC73705I

**NUMBER RECORDS PROCESSED**

**Explanation:** The XBM utility program processed `number` records.  
**User response:** No action is required.

### BMC73706E

**VALUE value IS TOO LONG FOR KEYWORD keyword**

**Explanation:** The XBM utility program input value is too long for the associated XBM utility program keyword.  
**User response:** Ensure that the XBM utility program control cards are correct. For further assistance, contact BMC Customer Support.

### BMC73707E

**VALUE IS MISSING FOR KEYWORD keyword**

**Explanation:** The XBM utility program keyword is missing a required input value.  
**User response:** Ensure that the XBM utility program control cards are correct. For further assistance, contact BMC Customer Support.

### BMC73708E

**BINARY VALUE value IS NOT ALLOWED FOR KEYWORD keyword**

**Explanation:** The XBM utility program input value is not valid for the associated XBM utility program keyword.  
**User response:** Ensure that the XBM utility program control cards are correct. For further assistance, contact BMC Customer Support.

### BMC73709E

**HEX VALUE value IS SPECIFIED IMPROPERLY OR IS TOO LONG FOR KEYWORD keyword**

**Explanation:** The XBM utility program input value is not valid for the associated XBM utility program keyword.  
**User response:** Ensure that the XBM utility program control cards are correct. For further assistance, contact BMC Customer Support.
**BMC73710E**  
NON-DIGIT FOUND IN VALUE value FOR KEYWORD keyword  

*Explanation:* The XBM utility program input value must be numeric for the associated XBM utility program keyword.  

*User response:* Ensure that the XBM utility program control cards are correct. For further assistance, contact BMC Customer Support.  

**BMC73711E**  
VALUE value IS NOT WITHIN VALUE RANGE FOR KEYWORD keyword  

*Explanation:* The XBM utility program input value is not valid for the associated XBM utility program keyword.  

*User response:* Ensure that the XBM utility program control cards are correct. For further assistance, contact BMC Customer Support.  

**BMC73712E**  
LOOKING FOR value1 FOUND value2 FOR KEYWORD keyword  

*Explanation:* The expected XBM utility program input value value1 was not found. value2 was found in its place for the associated XBM utility program keyword.  

*User response:* Ensure that the XBM utility program control cards are correct. For further assistance, contact BMC Customer Support.  

**BMC73713E**  
INVALID DATA - value- IN PASSWORD FOR KEYWORD keyword  

*Explanation:* The password value provided does not match the password associated with the given data set.  

*User response:* Correct the password and re-run. For further assistance, contact BMC Customer Support.  

**BMC73714E**  
keyword IS AN INVALID OR UNSUPPORTED KEYWORD  

*Explanation:* The XBM utility program keyword was not recognized or not valid for the current command.  

*User response:* Ensure that the XBM utility program control cards are correct. For further assistance, contact BMC Customer Support.  

**BMC73715E**  
ERROR OPENING DATA SET dataSetName ERRORNO= number ERROR CLOSING DATA SET dataSetName ERRORNO= number  

*Explanation:* The data set received the specified error code, usually BMC73728, on an open or close operation.  

*User response:* Correct the snapshot error condition and resubmit. For further assistance, contact BMC Customer Support.  

**BMC73716I**  
XBMXUTIL - XBM UTILITY PROGRAM  

*Explanation:* This message is displayed when the XBM utility program (XBMXUTIL) is invoked.  

*User response:* No action is required.
**BMC73717I**  FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS code

*Explanation:* The function has completed. The highest condition code returned by the function is displayed.

*User response:* No action is required.

**BMC73718I**  XBMXUTIL PROCESSING COMPLETE, MAXIMUM CONDITION CODE WAS code

*Explanation:* The XBM copy utility has completed. The maximum condition code returned by the utility is displayed.

*User response:* No action is required.

**BMC73719E**  command IS AN INVALID OR UNRECOGNIZED COMMAND

*Explanation:* The snapshot command is invalid or unrecognized.

*User response:* Ensure that the command is valid. For further assistance, contact BMC Customer Support.

**BMC73720E**  SNAPSHOT OF NON-VSAM DATA SET NOT SUPPORTED, SNAPSHOT REQUIRES VSAM CLUSTER NAME.
SNAPSHOT OF NON-CLUSTER VSAM DATA SET NOT SUPPORTED, SNAPSHOT REQUIRES VSAM CLUSTER NAME.

*Explanation:* The XBM utility program requires a VSAM cluster name. Also, non-VSAM data sets are not valid input for snapshot.

*User response:* Ensure that the name is correct, and is the cluster name. For further assistance, contact BMC Customer Support.

**BMC73721E**  SNAPSHOT REQUIRES XBM SUBSYSTEM ID, NO XBMID SPECIFIED.

*Explanation:* The XBM utility program requires that the XBM subsystem be specified for snapshot.

*User response:* Ensure that the XBMID control card is specified. For further assistance, contact BMC Customer Support.

**BMC73722E**  MISSING REQUIRED PARAMETER, INFILE OR INDATASET IS REQUIRED
MISSING REQUIRED PARAMETER, OUTFILE OR OUTDATASET IS REQUIRED

*Explanation:* The XBM utility program requires the input or output data set specification.

*User response:* Ensure that the control cards are correctly specified. For further assistance, contact BMC Customer Support.
XBM STATISTIC: CACHE LIMIT = value
XBM STATISTIC: TOTAL XBMXUTIL READS = value
XBM STATISTIC: READS SATISFIED BY CACHE = value
XBM STATISTIC: TOTAL WRITES = value
XBM STATISTIC: TOTAL WRITES CACHED = value
XBM STATISTIC: MAX CACHED BYTES = value

Explanation: XBM statistical information regarding the amount of XBM resources is displayed.
User response: No action is required.

FUNCTION TERMINATED, HIGHEST CONDITION CODE

Explanation: The utility function terminated. The maximum condition code is listed.
User response: Correct the XBM utility program error condition and resubmit. For further assistance, contact BMC Customer Support.

SNAPSHOT STARTED FOR DATA SET dataSetName

Explanation: The XBM utility program has started snapshot processing for the named data set.
User response: No action is required.

ERROR IN DCB VALUES FOR DATA SET dataSetName, DCB INFORMATION REQUIRED

Explanation: The DCB attributes for data set name are not fully specified.
User response: Correct the data set definition and resubmit. For further assistance, contact BMC Customer Support.

XBM STATISTICS FOR COMPONENT componentName

Explanation: The following statistics are for snapshot execution related to named component type.
User response: No action is required.

** VSAM OPEN RETURN CODE IS returnCode
** VSAM CLOSE RETURN CODE IS returnCode
** VSAM GET RETURN CODE IS returnCode
** VSAM PUT RETURN CODE IS returnCode
** NO OPEN MODE SPECIFIED FOR dataSetName
** errorCondition WHILE OPENING dataSetName
** errorCondition DURING GET ON dataSetName
** errorCondition DURING PUT ON dataSetName
** ERROR ALLOCATING DATA SET dataSetName
** ERROR ALLOCATING DD dd

Explanation: A VSAM reason code or non-VSAM error was received.
User response: Determine the VSAM error condition and resubmit. For further assistance, contact BMC Customer Support.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message Text</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC73729I</td>
<td>XBM CHECKPOINT COMPLETE FOR CLUSTER name XBM STOP COMPLETE FOR CLUSTER name</td>
<td>The displayed function has completed for this data set.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC73730I</td>
<td>ERROR OPENING SYSIN OR XBM</td>
<td>The XBM utility program (XBMXUTIL) was unable to open one of the control card data sets.</td>
<td>No action is required. If the control card file should have been used, correct the DD statement in error and resubmit. For further assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC73731I</td>
<td>DELIMITER value IS NOT PROPERLY PRECEDED BY A KEYWORD</td>
<td>The control card delimiter value was not preceded by an appropriate keyword.</td>
<td>Correct the control card or delimiter in error and resubmit. For further assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC73732I</td>
<td>REQUESTED RANGE END BEYOND END OF DATA SET</td>
<td>The range control card specified a high value that is beyond the range of data in the data set. Processing will end normally at the end of the data set.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC73733E</td>
<td>FROMNUMBER INCOMPATIBLE WITH INFILE DATA SET TYPE TONUMBER INCOMPATIBLE WITH INFILE DATA SET TYPE</td>
<td>The FROMNUMBER or TONUMBER control card is only valid for a VSAM RRDS.</td>
<td>Correct the control card and resubmit. For further assistance, contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC73734E</td>
<td>DATA SET dataSetName MAY NEED TO BE RECOVERED</td>
<td>At VSAM data set OPEN, the XBM utility program recognized a discrepancy between the catalog and the data set. This indicates that previous processing did not complete normally and the data set is in an inconsistent state.</td>
<td>Verify the previous processing and correct any errors that occurred. If you find no errors, run an IDCAMS VERIFY against the data set to correct the catalog information and rerun the XBM utility program job. For further assistance, contact BMC Customer Support.</td>
</tr>
</tbody>
</table>
BMC73735E  KEYWORD keyword1 CONFLICTS WITH KEYWORD keyword2
Explanation: The XBM utility program recognized a discrepancy between two mutually exclusive keywords.
User response: Verify the correct combination of keywords and rerun the XBM utility program job. Contact BMC Customer Support for further assistance.

BMC73736I  COMMAND ADDED FOR PROCESSING IN GROUP number
Explanation: In preparation to process the indicated group, the REPRO command was included to execute against the group.
User response: No action is required.

BMC73737I  BEGIN PROCESSING FOR GROUP number
Explanation: Processing is beginning for the commands specified for execution against the indicated group.
User response: No action is required.

BMC73738I  PROCESSING FOR GROUP number COMPLETED returnCode
Explanation: Command processing against the indicated group completed with the return code shown.
User response: No action is required.

BMC73739I  ALL SNAPSHOT STARTS COMPLETE FOR GROUP number
Explanation: Snapshot Copy initialization is complete for the data sets in the indicated group. You can begin update processing for the data sets in the group.
User response: No action is required.

This message is written to the system log. You can use this message to trigger submission of jobs for concurrent update processing. For more information about concurrent update processing with the XBM utility program, see the EXTENDED BUFFER MANAGER and SNAPSHOT UPGRADE FEATURE User Guide.

BMC73740E  UNABLE TO PARSE DATA SET NAME FOR KEYWORD indataset/outdataset
Explanation: The data set name you specified as a keyword argument was either improperly quoted or quoted and null.
User response: Retype the data set name using proper quotation.

BMC73741I  QUIESCE SUCCESSFUL FOR DATA SET dataSetName
Explanation: The named data set was successfully quiesced; snapshot processing can begin.
User response: No action is required.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC73742E</td>
<td>'cics-generated EXCI interface message'</td>
</tr>
<tr>
<td></td>
<td>Explanation: This message indicates an error condition was encountered in the CICS interface. CICS generates this message and issues an error code with the format DFHxxxx.</td>
</tr>
<tr>
<td></td>
<td>User response: See your CICS documentation on messages and codes for information about the DFHxxxx code.</td>
</tr>
<tr>
<td>BMC73743E</td>
<td>cicsApplid IS NOT ACTIVE OR DOES NOT EXIST, ERROR IGNORED</td>
</tr>
<tr>
<td></td>
<td>Explanation: The XBM utility program could not link to the named CICS APPLID. The XBM utility program ignores the error and continues processing.</td>
</tr>
<tr>
<td></td>
<td>User response: Check your job card to ensure you specified the correct APPLID.</td>
</tr>
<tr>
<td>BMC73744I</td>
<td>QUIESCE NOTE FOR DATA SET dataSetName, NO APPLID(S) SPECIFIED</td>
</tr>
<tr>
<td></td>
<td>Explanation: No quiesce can be performed because no APPLIDs were specified for the named data set. If the data set is closed the copy proceeds. If the data set is open, the XBM utility program will fail to obtain a systems ENQ and issue error message BMC73746E.</td>
</tr>
<tr>
<td></td>
<td>User response: When creating the job card for the VSAM Snapshot Copy make sure you specify an APPLID for each data set you want quiesced.</td>
</tr>
<tr>
<td>BMC73745E</td>
<td>QUIESCE FAILED FOR DATA SET dataSetName, RESP= responseCode RESP2= reasonCode</td>
</tr>
<tr>
<td></td>
<td>Explanation: CICS encountered an error while attempting to quiesce the data set.</td>
</tr>
<tr>
<td></td>
<td>User response: If you received reason code 201, set CICS inter-region communication to YES and then retry the job. If you received any other reason code, contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC73746E</td>
<td>QUIESCE FAILED FOR DATA SET dataSetName, UNABLE TO OBTAIN EXCLUSIVE CONTROL</td>
</tr>
<tr>
<td></td>
<td>Explanation: The quiesce failed for this data set because the XBM utility program could not obtain exclusive control of the data set via a systems ENQ.</td>
</tr>
<tr>
<td></td>
<td>User response: Make sure no remote system or process has the data set (for which the quiesce failed) open through VSAM.</td>
</tr>
<tr>
<td>BMC73747E</td>
<td>UNABLE TO LOAD RECOVERY MANAGER REGISTRATION INTERFACE UNABLE TO LOAD CICS QUIESCE INTERFACE</td>
</tr>
<tr>
<td></td>
<td>Explanation: The XBM utility program could not load the RECOVERY MANAGER interface program XBMLREG or could not load the CICS quiesce interface program XBMXCICQ.</td>
</tr>
<tr>
<td></td>
<td>User response: If the first message is issued, contact BMC Customer Support. If the second message is issued, specify the SDFHEXCI CICS load module library to the STEPLIB concatenation of XBMXUTIL and retry your job.</td>
</tr>
</tbody>
</table>
BMC73748E  RECOVERY MANAGER action FAILED FOR DATA SET dataSetName
Explanation:  Initialization or registration failed for the named data set.
User response:  For more information about this error, see message BMC73749.

BMC73749E  recoveryManagerMessage
Explanation:  The RECOVERY MANAGER interface issues this message.
User response:  See the RECOVERY MANAGER for OS/390 User Guide for an explanation of the reason code and a possible resolution.

Messages BMC73800 through BMC73899

This group includes messages for the EXTENDED BUFFER MANAGER product and its associated SNAPSHOT UPGRADE FEATURE technology.

BMC73800I  JOINED XBM GROUP groupName AS MEMBER xbmssid ON SYSTEM sysName AT time ON date
Explanation:  The named XBM subsystem joined the named data sharing group on the named MVS system image at the time and date shown.
User response:  No action is required.

BMC73801I  PSS COMPONENT COMMON STORAGE USED = storageSizeK
Explanation:  The named XBM component is using the named amount of MVS common storage.
User response:  No action is required.

BMC73802E  XCF MEMBER memberName ON SYSTEM systemName DOES NOT APPEAR TO BE AN XBM SUBSYSTEM.
Explanation:  The named cross-system coupling facility (XCF) member does not appear to be an XBM subsystem. XBM cannot join an XCF group if non-XBM subsystems are active within the group.
User response:  On the PSS Options subpanel, make sure you specified the correct sysplex group for XBM to join. If the sysplex group name is correct, stop the non-XBM subsystems using the XBM XCF group and then restart the XBM PSS component.

BMC73803E  XBM XCF MEMBER memberName AT VERSION versionNumber ON SYSTEM systemName IS NOT COMPATIBLE WITH THIS XBM.
Explanation:  The version of the named XBM XCF member is not compatible with the version of XBM being used.
User response:  Upgrade the named XBM subsystem so all XBM subsystems in the XCF group are at compatible versions.
**BMC73804E**  | **XBM IS NOT PROPERLY SHARING A REPOSITORY WITH xcfGroup ON SYSTEM systemName**

**Explanation:** All XBM subsystems in an XCF group must have the same setting for the **Enforce shared repository** option, and if repository sharing is enforced, each XBM subsystem must share the same repository. The named XBM subsystem has either a different **Enforce shared repository** setting or its shared repository is different than the shared repositories of other XBM subsystems in the XCF group.

**User response:** First, ensure that the named XBM subsystem has the same **Enforce shared repository** setting (on the PSS Options subpanel) as other XBM subsystems in the XCF group. Then, make sure the named XBM subsystem is using the same repository as other XBM subsystems in the XCF group.

**BMC73805I**  | **componentName internalFunction, RC = returnCode, RS = reasonCode**

**Explanation:** The named XBM component failed to complete the named MVS internal function for the return and reason codes listed.

**User response:** No action is required. For information regarding the return and reason codes issued by MVS, see your IBM Programming Sysplex Services Reference documentation.

**BMC73806E**  | **REQUIRED componentName1 COMPONENT SUPPORT NOT AVAILABLE FOR componentName2 FOR DATA SET dataSetName**

**Explanation:** The named data set requires the named component be active before processing can occur. One of several problems might cause this error:

- The named component might not be started.
- The required support, such as snapshot or I/O caching, is not licensed.
- If the named component is the PSS component, data sharing requirements cannot be determined for the data set. This can happen when a component controls a data set belonging to an unrecognized subsystem (for example, a DB2 subsystem). A subsystem can go unrecognized if it is dynamically added to the data sharing group after XBM component initialization.

**User response:** First, make sure the named component is licensed and active. Then stop and restart the XBM component controlling the data set. Finally, stop and restart the XBM subsystem to allow it to discover any dynamically added subsystem.

**BMC73807E**  | **ERROR UPDATING COUPLING FACILITY FOR dataSetName**

**Explanation:** XBM encountered an error while updating control information in the coupling facility for the named data set. The data set was not activated for caching.

**User response:** First, try reactivating the data set’s management set or try dynamically caching the data set. If the error reoccurs, note the reason and
return codes written to the XBM DTRACE and contact BMC Customer Support with this information.

**BMC73808E**  
**componentName COMPONENT IS NOT COMPATIBLE WITH XBM subsystemName ON SYSTEM systemName AT VERSION versionNumber**

*Explanation:* The named component on this subsystem is incompatible with the version of the named XBM subsystem. The XBM on this subsystem will not join the data sharing group, and the named component will not start.

*User response:* Make sure the version of the XBM on this subsystem is compatible with the XBM subsystems in the data sharing group. This message is issued in conjunction with messages 73802-73804. For more information about the error that caused this message to be issued, see the explanation and user response for those messages.

**BMC73809I**  
**PSS COMPONENT OPTION SHOULD JOIN OR XBM GROUP NAME NOT SET**

*Explanation:* The data sharing group name or the join option was not set on the PSS Options subpanel. The XBM for PSS component cannot complete initialization.

*User response:* Add a data sharing group name or set the join option on the PSS Options subpanel.

**BMC73810I**  
**ACTION REQUEST requestType RECEIVED FROM XBM GROUP MEMBER name**

*Explanation:* The XBM subsystem on this MVS image received a processing request from another named XBM subsystem in the same data sharing group.

*User response:* No action is required.

**BMC73811I**  
**XBM GROUP utilityCommand FAILED FOR DATA SET dataSetName, RC = returnCode, RS = reasonCode**

*Explanation:* The named utility command failed on another XBM subsystem.

*User response:* No action is required. However, subsequent messages will indicate the reason for the failure. Review those messages to determine what action to take.

**BMC73812I**  
**XBM GROUP commandType COMMAND FAILED ON xbmssid, RC = returnCode, RS = reasonCode**

*Explanation:* The named group command sent to the XBM data sharing group failed on the named XBM subsystem.

*User response:* No action is required. However, review subsequent messages to determine the cause of the problem.
BMC73813I  **CFAM name, RC = returnCode, RS = reasonCode**

*Explanation:* The XBM PSS coupling facility Access Method (CFAM) issued a nonzero return code.

*User response:* Make sure your PSS environment is properly established. For further assistance, contact BMC Customer Support.

BMC73814I  **CFAM name = name**

*Explanation:* This message displays several statistics for the coupling facility structure issued as a result of disconnecting from the coupling facility.

*User response:* No action is required.

BMC73815E  **componentName COMPONENT REJECTING JOIN OF INCOMPATIBLE XBM subsystemName ON SYSTEM systemName**

*Explanation:* The named XBM subsystem is not compatible with the named component, therefore it will not be allowed to join the data sharing group. The incompatible XBM subsystem will receive a system OOC abend.

*User response:* Make sure the subsystem attempting to join the data sharing group is a compatible XBM subsystem.

BMC73816E  **resource LACKS REQUIRED XBM SUPPORT ON mvsSystemName**

*Explanation:* The required XBM component is not available on the named MVS system where the data set resides.

*User response:* Ensure the XBM component (PSS, DB2, or IMS) is started on the named MVS system or cease attempts to perform snapshot processing or I/O caching on the named data set.

BMC73817E  **componentName COMPONENT STOPPING DUE TO UNRECOVERABLE ERROR (problem)**

*Explanation:* An unrecoverable error was detected by the named component in the area identified in the `problem` text. The error is related to the XBM subsystem's use of coupling facility services. The named component has stopped, and I/O caching hooks that use the component have been disabled. Other XBM subsystems continue I/O caching after they validate that the failed XBM subsystem will not compromise caching integrity.

*User response:* Stop and restart the failed XBM subsystem. To check the I/O caching status of other XBM subsystems, issue the DISPLAY XBM command. For further assistance, contact BMC Customer Support. If a dump is available, have it ready to send to BMC for analysis.

BMC73818E  **function FAILED FOR CF STRUCTURE structureName**

*Explanation:* The named function failed for the named coupling facility structure.

*User response:* Ensure all coupling facility structures are adequately sized for your environment. Retry the function after increasing the structure size.
BMC73819E  **PSS COMPONENT IS INCOMPATIBLE WITH CF ATTRIBUTE attributeName.**

*Explanation:* The XBM PSS component is incompatible with the named coupling facility attribute. This incompatibility prevents complete PSS component initialization.

*User response:* Check your PSS options to ensure the data sharing group name you specified is correct and retry initialization. If unsuccessful, contact BMC Customer Support with the text from this message.

BMC73820E  **EXPANSION REQUEST FAILED FOR CF STRUCTURE structureName**

*Explanation:* XBM requested that the indicated CF structure be expanded, but the operating system or CF declined the request. Additional information about the failed request should be available in SYSPRINT. This message does not necessarily indicate an immediate problem exists, but that continued use might exceed the available storage and result in a problem.

*User response:* The expansion request should be successful if the following conditions exist:

- The CFRM policy has a SIZE value greater than the INITSIZE.
- Enough storage is available in the coupling facility to accommodate the expansion.
- The CF operational level is greater than 0.

Ensure that these requirements are met. Then, review SYSPRINT for information to help diagnose the problem. Next, try increasing the CFRM policy SIZE to allow for expansions and increasing the INITSIZE so the initial amount is larger (the current and maximum sizes might be seen in the coupling facility monitor).

BMC73821I  **EXPANSION REQUEST ACCEPTED FOR CF STRUCTURE structureName**

*Explanation:* XBM successfully sent an expansion request to the structure before the structure filled.

*User response:* No action is required. However, BMC suggests that you monitor and possibly increase the CFRM policy INITSIZE or SIZE to ensure that the CF structure has adequate storage so it does not become full. If the CF structure becomes full, snapshot jobs might fail.

BMC73822W  **PSS PERFORMANCE MAY BE IMPACTED BY DOWN LEVEL CF STRUCTURE structureName**

*Explanation:* The XBM PSS component attempted to exploit a performance feature available in a coupling facility at Level 4 or later (with appropriate MVS Support). This feature was unavailable at this coupling facility level, so although XBM can function at this level, processing is not as efficient.

*User response:* No action is required. However, to achieve better performance in the future, upgrade your coupling facility to Level 4 or later.
BMC73823I

**CF STRUCTURE structureName HWM = n DIRECTORY ENTRIES**
**CF STRUCTURE structureName CURRENT ALLOCATION = n DIRECTORY ENTRIES**

*Explanation:*  The number of entries shown is the largest number of entries the named structure has held (the entry high water mark) or the current allocation information for the structure.

*User response:*  No action is required. You can use the information from this message to ensure you have an appropriately sized structure.

BMC73824I

**CF STRUCTURE structureName HWM = n K STORAGE**
**CF STRUCTURE structureName CURRENT ALLOCATION = n K STORAGE**

*Explanation:*  The storage size shown is the largest amount of storage the named structure has held (the storage high water mark) or the current allocation information for the structure.

*User response:*  No action is required. You can use the information from this message to ensure you have an appropriately sized structure.

BMC73825E

**PSS LATCH TIMEOUT, type LATCH OVERRIDDEN**

*Explanation:*  The XBM PSS component timed out while waiting for a latch. The latch was overridden (forcefully acquired) to complete an essential process. Dispatching problems in the XBM address space or an abend in another XBM process could cause this error.

*User response:*  First, try correcting the XBM dispatching problems by ensuring that XBM is executing at a sufficient DPRTY. If an abend in an XBM process occurred, collect any information about the abend from the XBM log and contact BMC Customer Support.

BMC73826E

**CF LOCK UNAVAILABLE FOR componentName COMPONENT**

*Explanation:*  Component initialization requires an XBM component Shared Lock. The lock was unavailable to the named component because another XBM component exclusively held the lock. Normally, this only occurs briefly when components are stopped, such as at XBM shutdown.

*User response:*  Retry activating the component or stop and restart XBM.

BMC73827E

**CF LOCK UNAVAILABLE FOR name HOOK**

*Explanation:*  Component initialization requires an XBM hook shared lock. The lock was unavailable to the named hook because another XBM subsystem exclusively held the lock. This problem should only occur if an abend or integrity error disables the hook.

*User response:*  First, determine which XBM component has the disabled hook. Do this by routing the DISPLAY XBM command to all XBM subsystems in the data sharing group. Stop and then restart the XBM subsystem on which the offending component resides when you determine which one it is.
**BMC73828I**  
**XBM SUBSYSTEM xbmssid AT VERSION versionNumber ON SYSTEM sysName {JOINED | LEFT} THE XCF GROUP**

*Explanation:* The named XBM subsystem on the named MVS system either joined or left the currently active XCF group.

*User response:* No action is required.

---

**BMC73829E**  
**PSS COMPONENT IS NOT COMPATIBLE WITH name AT VERSION version**

*Explanation:* The PSS component on this subsystem is incompatible with the version of the named MVS system.

*User response:* Ensure that the MVS system on which XBM is running is at the required MVS level. For information about supported operating systems, see the EXTENDED BUFFER MANAGER and SNAPSHOT UPGRADE FEATURE Installation Guide.

---

**BMC73830E**  
**DATA SHARING GROUP CHANGED FROM xcfGroupName1 TO xcfGroupName2 FOR DSN dataSetName**

*Explanation:* XBM detected an XCF group name other than the one specified in the snapshot utility job control card for the named data set.

*User response:* Check the control card for the snapshot utility job to make sure the XCF group name specified in the card is the actual XCF group to which the named data set belongs. Retry the job.

---

**BMC73831I**  
**XCF GROUP groupName MEMBER memberName WAS IN AN XCF statusName state action**

*Explanation:* This message indicates the results of the XCFCLEANUP command.

- The *groupName* values specifies the XCF group name upon which the command is being performed.
- The *memberName* value indicates the member being managed.
- The *statusName* value indicates the status of the XCF group (such as, failed, leave, or create).
- The *action* value indicates whether the command was issued in simulate mode or the member was deleted.

*User response:* No response is required.

---

**BMC73832W**  
**XBM subsystemName1 ON SYSTEM systemName IS AT AN ACCEPTABLE VERSION (versionNumber)**

*Explanation:* This message indicates that the version of XBM on the specified subsystem is at a compatible level.

*User response:* No response is required.
**BMC73890I**

*xbmssid ZIIP srbType Enclave Statistics: Time on ZIIP= ziipTime SEC, Time on CP= cpTime*

*Explanation:* This informational message provides statistics about the times required to perform processes related to service request blocks (SRBs). XBM gathers this information (when requested by a supported BMC product) to work with the various enclaves on the zIIP processors.

XBM gathers time information for the following SRB types:

- **ENF** (Event Notification Facility)
- **IOS** (I/O SRB) time
- **MIO** (Media Manager I/O)
- **XCF** (Cross-System Coupling Facility)
- **GUE** (BMC General Use Enclave)

An example follows:

<table>
<thead>
<tr>
<th>Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.</td>
</tr>
<tr>
<td>Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.</td>
</tr>
<tr>
<td>Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.</td>
</tr>
<tr>
<td>Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.</td>
</tr>
</tbody>
</table>

**Time on ZIIP** refers to the amount of CPU spent on a zIIP. **Time on CP** refers to the amount of CPU time that would have been spent on a zIIP but was spent on a general processor instead because a zIIP was not free.

**Note**

The smallest increment of time that the message shows if zIIP processing occurred is .01 second. zIIP processing times smaller than that are rounded to .01 second. The time appears as 0.00 seconds if no activity occurred.

*User response:* No response is required.

**BMC73891I**

*xbmssid ZIIP srbType Enclave Statistics: Time on ZIIP= ziipTime SEC, Time on CP= cpTime*

*Explanation:* This informational message provides statistics totals for SRB-related processes when the zIIP component shuts down. XBM maintains this information for all various enclaves that performed work on the zIIP processors on behalf of the XBM zIIP component.
This information goes only to the XBM SYSPRINT file. Related message BMC73892I indicates the maximum number of SRBs.

XBM gathers time information for the following SRB types:

- ENF (Event Notification Facility)
- IOS (I/O SRB) time
- MIO (Media Manager I/O)
- XCF (Cross-System Coupling Facility)
- GUE (BMC General Use Enclave)

An example follows:

<table>
<thead>
<tr>
<th>Message</th>
<th>Time on ZIIP</th>
<th>Time on CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC73050I 12.29.31 XBMA DIS ZIIPS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMC73891I* 12.29.31 XBMA ZIIP ENF Enclave Statistics:</td>
<td>Time on ZIIP= 683.14 SEC, Time on CP= 4.85 SEC.</td>
<td></td>
</tr>
<tr>
<td>BMC73891I* 12.29.31 XBMA ZIIP IOS Enclave Statistics:</td>
<td>Time on ZIIP= 193.46 SEC, Time on CP= 1.35 SEC.</td>
<td></td>
</tr>
<tr>
<td>BMC73891I* 12.29.31 XBMA ZIIP MIO Enclave Statistics:</td>
<td>Time on ZIIP= 9.61 SEC, Time on CP= 0.50 SEC.</td>
<td></td>
</tr>
<tr>
<td>BMC73891I* 12.29.31 XBMA ZIIP XCF Enclave Statistics:</td>
<td>Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.</td>
<td></td>
</tr>
<tr>
<td>BMC73891I* 12.29.31 XBMA ZIIP GUE Enclave Statistics:</td>
<td>Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.</td>
<td></td>
</tr>
<tr>
<td>BMC73891I* 12.29.31 XBMA ZIIP Total Enclave Statistics:</td>
<td>Time on ZIIP= 886.21 SEC, Time on CP= 6.70 SEC</td>
<td></td>
</tr>
</tbody>
</table>

**Time on ZIIP** refers to the amount of CPU spent on a zIIP. **Time on CP** refers to the amount of CPU time that would have been spent on a zIIP but was spent on a general processor instead because a zIIP was not free.

**Note**

The smallest increment of time that the message shows if zIIP processing occurred is .01 second. zIIP processing times smaller than that are rounded to .01 second. The time appears as 0.00 seconds if no activity occurred.

**User response:** No response is required.

**BMC73892I ssid ZIIP component Max TCBs = maxNumber**

**Explanation:** This informational message indicates the maximum number of task control blocks (TCBs) in a single job for a BMC product that requested XBM zIIP SRB redirection.

**User response:** No response is required.
Messages BMC73900 through BMC73999

This group includes messages for the EXTENDED BUFFER MANAGER product and its associated SNAPSHOT UPGRADE FEATURE technology.

**BMC73900I**

`xbmssid ZIIP srbType Enclave Statistics: Time on ZIIP= ziipTime SEC, Time on CP= cpTime`

*Explanation:* This informational message provides statistics about the times required to perform processes related to service request blocks (SRBs). XBM gathers this information (when requested by a supported BMC product) to work with the various enclaves on the zIIP processors.

XBM gathers time information for the following SRB types:

- ENF (Event Notification Facility)
- IOS (I/O SRB) time
- MIO (Media Manager I/O)
- XCF (Cross-System Coupling Facility)
- GUE (BMC General Use Enclave)

An example follows:

```
BMC73900I* 18.50.22 XBMG ZIIP ENF Enclave Statistics:
Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.

BMC73900I* 18.50.22 XBMG ZIIP IOS Enclave Statistics:
Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.

BMC73900I* 18.50.22 XBMG ZIIP MIO Enclave Statistics:
Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.

BMC73900I* 18.50.22 XBMG ZIIP XCF Enclave Statistics:
Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.

BMC73900I* 18.50.22 XBMG ZIIP GUE Enclave Statistics:
Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.

BMC73900I* 18.50.22 XBMG ZIIP Total Enclave Statistics:
Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.
```

*Time on ZIIP* refers to the amount of CPU spent on a zIIP. *Time on CP* refers to the amount of CPU time that would have been spent on a zIIP but was spent on a general processor instead because a zIIP was not free.

---

**Note**

The smallest increment of time that the message shows if zIIP processing occurred is .01 second. zIIP processing times smaller than that are rounded to .01 second. The time appears as 0.00 seconds if no activity occurred.
This message will be replaced by BMC73890I in an upcoming release of XBM.

User response: No response is required.

**BMC73901I**

*xbmsid* ZIIP *srbType* Enclave Statistics: Time on ZIIP= *ziipTime* SEC, Time on CP= *cpTime*

**Explanation:** This informational message provides statistics totals for SRB-related processes when the zIIP component shuts down. XBM maintains this information for all various enclaves that performed work on the zIIP processors on behalf of the XBM zIIP component.

This information goes only to the XBM SYSPRINT file. Related message BMC73902I indicates the maximum number of SRBs.

XBM gathers time information for the following SRB types:

- ENF (Event Notification Facility)
- IOS (I/O SRB) time
- MIO (Media Manager I/O)
- XCF (Cross-System Coupling Facility)
- GUE (BMC General Use Enclave)

An example follows:

```
BMC73050I 12.29.31 XBMA DIS ZIIPS
BMC73901I* 12.29.31 XBMA ZIIP ENF Enclave Statistics:
  Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.
BMC73901I* 12.29.31 XBMA ZIIP IOS Enclave Statistics:
  Time on ZIIP= 683.14 SEC, Time on CP= 4.85 SEC.
BMC73901I* 12.29.31 XBMA ZIIP MIO Enclave Statistics:
  Time on ZIIP= 193.46 SEC, Time on CP= 1.35 SEC.
BMC73901I* 12.29.31 XBMA ZIIP XCF Enclave Statistics:
  Time on ZIIP= 9.61 SEC, Time on CP= 0.50 SEC.
BMC73901I* 12.29.31 XBMA ZIIP GUE Enclave Statistics:
  Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.
BMC73900I* 12.29.31 XBMA ZIIP Total Enclave Statistics:
  Time on ZIIP= 886.21 SEC, Time on CP= 6.70 SEC.
```

*Time on ZIIP* refers to the amount of CPU spent on a zIIP. *Time on CP* refers to the amount of CPU time that would have been spent on a zIIP but was spent on a general processor instead because a zIIP was not free.

**Note**

The smallest increment of time that the message shows if zIIP processing occurred is .01 second. zIIP processing times smaller than that are rounded to .01 second. The time appears as 0.00 seconds if no activity occurred.
This message will be replaced by BMC73891I in an upcoming release of XBM.

User response: No response is required.

**BMC73902I**  
**ssid ZIIP component Max TCBs = maxNumber**

Explanation: This informational message indicates the maximum number of task control blocks (TCBs) in a single job for a BMC product that requested XBM zIIP SRB redirection.

This message will be replaced by BMC73892I in an upcoming release of XBM.

User response: No response is required.

**BMC73902E**  
**YOUR CHOICE IS INVALID AT THIS TIME. PLEASE SELECT AN AVAILABLE OPTION**

Explanation: You have selected an option that is not available on this panel at this time.

User response: Select an option available on this panel. (On the action bar, asterisks indicate unavailable pull-down options.)

**BMC73903E**  
**THE COMMAND IS INVALID. PLEASE ENTER A VALID COMMAND OR PRESS PF1 FOR HELP.**

Explanation: The command that you entered in the panel command area is not a valid command. Either you mistyped the command or the command is not supported on this panel. (Not all XBM ISPF commands are supported on every panel.) Press F1 for the commands that you can issue from this panel.

User response: If you mistyped the command, re-enter the command. Otherwise, enter an available command.

**BMC73904E**  
**THE ACTION REQUESTED IS NOT VALID FOR THE SELECTED ITEM. PLEASE SELECT ONE OF THE LISTED VALID ACTIONS.**

Explanation: You have selected an item on which to perform an action, but you cannot perform the chosen action on this item.

User response: Select a valid action. (The action bar pull-downs list valid actions.)

**BMC73905E**  
**NO ITEM WAS SELECTED WITH THIS ACTION REQUEST.**

Explanation: You have requested an action that must be performed on an item. No item was selected.

User response: Select an item by typing / in the selection entry field of the desired item.
**BMC73906E** CONFIGURATIONS MAY NOT BE DEACTIVATED. ACTIVATING A CONFIGURATION WILL DEACTIVATE THE CURRENTLY ACTIVE ONE.

*Explanation:* You have attempted to deactivate a configuration. The DEACTIVATE command can only be used to deactivate management sets.

*User response:* No action is required.

**BMC73907I** THE REQUESTED DATA OBJECTS CANNOT BE DISPLAYED IN THE MONITOR.

*Explanation:* XBM cannot display the list of requested data objects in the ISPF interface. This problem can occur in the following situations:

- No data matches the selection criteria that you entered.
- The PSS component or another requested component is not active on the remote XBM subsystem that you are trying to display.
- Too much data is being generated by a remote XBM subsystem. The **Remote XBM subsystem size limit** field in the PSS options controls the amount of data that can be returned from the remote XBM subsystem, while the **Remote XBM subsystem time-out** field controls how long XBM should wait for a response from the remote XBM subsystem before timing out. If the query returns more data than this size limit or if it takes too long for XBM to receive the data from the remote XBM subsystem, XBM is unable to display the data object list.

*User response:* The response depends upon the condition under which the message occurred. Review the following table to determine the appropriate user response.

<table>
<thead>
<tr>
<th>Condition</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entering selection criteria for objects</td>
<td>Ensure that the search criteria that you entered is correct to match the data objects that you want to display.</td>
</tr>
<tr>
<td>Condition</td>
<td>User response</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Displaying data on a remote XBM subsystem</td>
<td>- Ensure that the PSS component is active on the requested remote XBM subsystem. At least two members in the data sharing group must be active to display a remote XBM subsystem.</td>
</tr>
<tr>
<td></td>
<td>- If you are attempting to access the data for a specific component on the remote XBM subsystem, ensure that the component is active on the applicable XBM subsystem.</td>
</tr>
<tr>
<td></td>
<td>- Review the Remote XBM subsystem size limit and Remote XBM subsystem time-out fields in the PSS options and ensure that the values are large enough to support the amount of data that you want to display. BMC recommends adjusting this number conservatively because it can have an impact on XCF performance. For each thousand lines of data, XBM requires approximately a 1-MB message size.</td>
</tr>
</tbody>
</table>

**BMC73908E**  
**PERCENTAGE CANNOT EXCEED 100.**  
*Explanation:* You have specified a value greater than 100 percent in an entry field.  
*User response:* Re-enter a value in the field between 0 and 100.

**BMC73910E**  
**INVALID CHARACTERS IN FIELD. PLEASE REENTER.**  
*Explanation:* You have entered invalid characters in a field. For example, elements in a DB2 pattern mask name must conform to the naming conventions of each element as defined by DB2. (See the DB2 Administration Guide.)  
*User response:* Determine which characters are invalid, and re-enter the information in the field.

**BMC73911E**  
**THE NUMBER ENTERED IS OUT OF RANGE.**  
*Explanation:* The entry field accepts values in a certain range. The number that you entered is outside that range.  
*User response:* Press **F1** (with the cursor in the field) for more information about the field. Re-enter the information.
**BMC73912E**  NON-NUMERIC OR OUT OF RANGE. ENTER ONLY 0-9, *, %, or ?.

*Explanation:* You can only enter numeric values in the range of 1 - 64 or pattern-matching characters in this field.

*User response:* Press F1 (with the cursor in the field) for more information about the field. Re-enter the information.

**BMC73913E**  INTERVAL CANNOT BE ZERO

*Explanation:* In the **Statistics interval** field or the **SMF interval** field of the XBM Options subpanel, you have entered a zero value. The interval value cannot be zero.

*User response:* Enter a valid value in the field.

**BMC73914E**  SMF RECORD NUMBER OUT OF RANGE

*Explanation:* The SMF record number must be a number between 200 and 255. The number you have entered is outside that range.

*User response:* Re-enter a valid number.

**BMC73915E**  SMF ACTIVE FLAG INVALID.

*Explanation:* An internal error has occurred.

*User response:* Contact BMC Customer Support.

**BMC73916I**  SELECTION NOT CURRENTLY AVAILABLE.

*Explanation:* You have selected an item on the panel that is not currently available.

*User response:* See the extended help for items that are available from this panel. Select an available item.

**BMC73917I**  REQUESTED PRINT OUTPUT HAS BEEN ROUTED TO THE ISPF LIST DATA SET.

*Explanation:* As a result of issuing the Print or Print Selected action, the output for the selected item has been written to your ISPF list data set.

*User response:* No action is required.

**BMC73918I**  FILE SAVED.

*Explanation:* As a result of issuing the Save or Save as action for the selected file, XBM has saved the file to the XBM repository.

*User response:* No action is required.

**BMC73919I**  FILE RENAMED.

*Explanation:* As a result of issuing the Rename action for the selected file, the file has been renamed in the XBM repository. (Renaming does not affect active copies of a file.)

*User response:* No action is required.
BMC73920I THERE IS NO ACTIVE CONFIGURATION.

Explanation: Because of an error activating a configuration, there is no active configuration, which means that no extended buffer is currently allocated.

User response: Activate a configuration.

BMC73921I MANAGEMENT SET IS EMPTY. USE ADD FUNCTION FOR NEW OBJECTS.

Explanation: The management set that you created, or are editing, contains no managed objects. For information about adding an object to the management set, see extended help.

User response: No action is required.

BMC73922I THERE ARE NO LOCAL CACHES DEFINED IN CURRENT CONFIGURATION.

Explanation: The active configuration defines no local caches for the extended buffer. As a result, no cache summary information is displayed.

User response: No action is required.

BMC73923I THE REQUESTED DATA SETS CANNOT BE DISPLAYED IN THE MONITOR.

Explanation: XBM cannot display the list of requested data sets in the ISPF interface. This problem can occur in the following situations:

- No data sets match the selection criteria that you entered.

- The PSS component or another requested component is not active on the remote XBM subsystem that you are trying to display.

- Too much data is being generated by a remote XBM subsystem. The Remote XBM subsystem size limit field in the PSS options controls the amount of data that can be returned from the remote XBM subsystem, while the Remote XBM subsystem time-out field controls how long XBM should wait for a response from the remote XBM subsystem before timing out. If the query returns more data than this size limit or if it takes too long for XBM to receive the data from the remote XBM subsystem, XBM is unable to display the data sets list.

User response: The response depends upon the condition under which the message occurred. Review the following table to determine the appropriate user response.

<table>
<thead>
<tr>
<th>Condition</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entering selection criteria for data sets</td>
<td>Ensure that the search criteria that you entered is correct to match the data sets that you want to display.</td>
</tr>
</tbody>
</table>
Displaying data sets on a remote XBM subsystem

- Ensure that the PSS component is active on the requested remote XBM subsystem. At least two members in a data sharing group must be active to display a remote XBM subsystem.

- If you are attempting to access the data for a specific component on the remote XBM subsystem, ensure that the component is active on the applicable XBM subsystem.

- Review the **Remote XBM subsystem size limit** and **Remote XBM subsystem time-out** fields in the PSS options and ensure that the values are large enough to support the amount of data that you want to display. BMC recommends adjusting this number conservatively because it can have an impact on XCF performance. For each thousand lines of data, XBM requires approximately a 1-MB message size.

### Messages

- **BMC73925E**  
  **THE XBM DIALOGUE HAS ABNORMALLY TERMINATED**  
  *Explanation:* An internal error has occurred.  
  *User response:* Contact BMC Customer Support.

- **BMC73926E**  
  **ERROR ACTIVATING THE SELECTED MANAGEMENT SET.**  
  *Explanation:* XBM was unable to find in the XBM repository the selected management set or an internal error occurred. It is possible the management set has been deleted from the XBM repository after the File List was created.  
  *User response:* If you are sure that the management set exists, contact BMC Customer Support.

- **BMC73927E**  
  **ERROR ACTIVATING THE SELECTED CONFIGURATION.**  
  *Explanation:* XBM was unable to find the selected configuration in the XBM repository or an internal error occurred. It is possible the configuration has been deleted from the XBM repository after the File List was created.  
  *User response:* If you are sure that the configuration exists, contact BMC Customer Support.
**BMC73928E**  ERROR DEACTIVATING THE SELECTED MANAGEMENT SET.

*Explanation:* XBM was unable to find an active management set with the selected name. It is possible that another user deactivated the management set.

*User response:* Make sure that the management set is still active. The DISPLAY XBM command can provide you with a display list of active management sets. If it is still active, contact BMC Customer Support.

**BMC73929E**  MANAGEMENT SET IS ALREADY ACTIVE.

*Explanation:* The management set that you selected to activate is already active.

*User response:* No action is required.

**BMC73930E**  ERROR DEACTIVATING THE SELECTED MANAGEMENT SET.

*Explanation:* The management set that you selected to deactivate is not active. It might have been deactivated by another user.

*User response:* Use the DISPLAY XBM command to determine whether the management set is still active. If it is still active, contact BMC Customer Support.

**BMC73931E**  THE SELECTED ITEM IS OF AN UNKNOWN TYPE.

*Explanation:* The selected item is not a supported XBM file type. The XBM repository might be broken or an internal error might have occurred.

*User response:* Contact BMC Customer Support.

**BMC73932E**  ERROR DELETING THE SELECTED ITEM.

*Explanation:* XBM was unable to delete the selected item from the XBM repository. It is possible the item was deleted by another user.

*User response:* If you have determined that the item still exists in the XBM repository, contact BMC Customer Support.

**BMC73933E**  CONFIGURATION IS ALREADY ACTIVE.

*Explanation:* You have attempted to activate a configuration that is already active.

*User response:* No action is required.

**BMC73934E**  ERROR RENAMING FILE. NEW FILE NAME ALREADY EXISTS.

*Explanation:* The name that you have chosen for renaming a file is already in use in the XBM repository.

*User response:* Choose another name for the file. You can also rename the file that is already using the name, or you could delete it.
BMC73935E  AN UNRECOGNIZED ERROR HAS OCCURRED.
Explanation: An internal error has occurred.
User response: Contact BMC Customer Support.

BMC73936E  ERROR IN ISPF PANEL.
Explanation: An internal error has occurred in processing the ISPF interface.
User response: Contact BMC Customer Support.

BMC73937E  AN UNRECOGNIZED CACHE TYPE WAS DETECTED.
Explanation: The XBM repository might be broken or an internal error might have occurred.
User response: Contact BMC Customer Support.

BMC73938E  UNABLE TO SAVE FILE.
Explanation: XBM was unable to save the file to the XBM repository. Possible errors include:

- The XBM subsystem might be inactive.
- The XBM repository data set might not be allocated.
- There might have been an error writing to the XBM repository (for example, the management set might be too large).

User response: First, verify that the XBM subsystem is still active. Then check to make sure your repository data set is allocated. Finally, check to see if the number of objects selected exceeds 200. If saving the file would result in a management set with more than 200 objects, you receive the message, “put MS record exceeds max length.”

To correct this situation, create two management sets. First, delete half the records from the offending management set and perform a Save As, saving under a different management set name. Then, return to the offending management set and save the other half of the records. If your repository data set was allocated, the number of objects selected was less than 200, and the XBM subsystem was operational when you received this message, contact BMC Customer Support.

BMC73939E  NO OBJECT ERROR DETECTED. VERIFY XBM SUBSYSTEM STATUS.
Explanation: The ISPF interface did not receive a response from the XBM subsystem.
User response: Make sure that the XBM subsystem is started. If the XBM subsystem was operational when you received this message, contact BMC Customer Support.
BMC73940E  ERROR RETRIEVING FILE.
Explanation: An internal error occurred while reading a file from the XBM repository.
User response: Contact BMC Customer Support.

BMC73941E  ERROR IN ISPF TABLE.
Explanation: XBM detected an error while processing an ISPF table.
User response: Contact BMC Customer Support.

BMC73942E  ERROR CREATING ISPF LIST.
Explanation: XBM was unable to create a list object to contain the response to a request.
User response: Contact BMC Customer Support.

BMC73943E  NULL XCVT ERROR DETECTED. VERIFY XBM SUBSYSTEM STATUS.
Explanation: The ISPF interface could not find the XCVT. This means the XBM subsystem is not running.
User response: Verify the status of the subsystem.

BMC73944E  ERROR WRITING TO ISPF LIST DATA SET.
Explanation: As a result of a Print or Print Select action, XBM attempted to write to the ISPF list data set, but the attempt failed.
User response: Make sure that the ISPF list data set is allocated.

BMC73945E  ERROR RETURNED BY ISPF.
Explanation: XBM detected an ISPF error.
User response: Exit the ISPF interface and restart it. If this does not solve the problem, contact BMC Customer Support.

BMC73946E  ERROR CREATING FILE.
Explanation: XBM experienced an internal error while attempting to create a management set or configuration file.
User response: Contact BMC Customer Support.

BMC73947E  MONITOR IS ALREADY ACTIVE.
Explanation: You attempted to invoke the XBM monitor, but the monitor is already active and cannot be invoked again.
User response: No action is required.
CONSOLE IS ALREADY ACTIVE.

Explanation: You attempted to invoke the XBM console, but the console is already active and cannot be invoked again.

User response: No action is required.

TRACE IS ALREADY ACTIVE.

Explanation: You attempted to invoke the diagnostic or exception trace, but the trace is already active and cannot be invoked again.

User response: No action is required.

A TASK HAS ABNORMALLY TERMINATED.

Explanation: An ISPF subtask has abnormally terminated. The user session will be returned to the File List panel with this message.

User response: Contact BMC Customer Support.

VALUE EXCEEDS UPPER LIMIT.

Explanation: The cache limit for an ESP or DSP cache configuration cannot be greater than the 2-GB MVS addressable limit. The cache limit for a PVS or FVS cache configuration is 511 GB. The cache limit for a managed object (data set) is 8191 petabytes (PB) or 7 exabytes (EB).

User response: Reduce the storage limit value to create a valid definition.

YOU ARE NOT AUTHORIZED TO PERFORM REQUESTED FUNCTION.

Explanation: You attempted to perform a function that was not authorized by XBM.

User response: Verify the access list of the TSO user and permit access to the appropriate profiles through the external security package.

LOCATE COMMAND NOT VALID WHEN LIST SORTED BY byValue

Explanation: You attempted to perform a locate function on a list that was sorted by a numeric field.

User response: Reorder list by the appropriate field and retry the locate command.

NEW NAME MUST BE DIFFERENT FROM CURRENT NAME

Explanation: You attempted to save a management set or configuration under a new name, but the new name was the same as the original name.

User response: Save with a name different from the original name.

NAME ALREADY EXISTS. DUPLICATE NOT ALLOWED.

Explanation: The managed object already exists in the management set.

User response: Change the existing object instead of attempting to add it again.
BMC73957I  VIEW IS BY viewBy. VIEW SELECTION FILTERING IS not ACTIVE.

Explanation: This message indicates which column the table is sorted by. View Selection indicates whether filtering limits are in effect.

User response: No action is required.

BMC73958E  THERE ARE NO STATISTICS OF THE SELECTED TYPE

Explanation: The selected object does not have statistics for the requested object type. For example, a DB2 object might not have snapshot statistics.

User response: No action is required.

BMC73959E  DB2 MONITOR IS ALREADY ACTIVE.

Explanation: You attempted to invoke the DB2 monitor, but the monitor is already active and cannot be invoked again.

User response: No action is required.

BMC73960E  FILE MUST BE ACTIVE FOR RESET OF STATISTICS.

Explanation: You attempted to reset statistics on an inactive management set or group.

User response: Select the proper object to reset, or activate the object before using the RESETSTA command. Contact BMC Customer Support for further assistance.

BMC73961I  SOME STATISTICS WERE NOT RESET.

Explanation: A RESETSTA command was issued but not all data sets were reset. To determine which data sets were not reset and why they were not reset, see the accompanying message in the XBM log.

User response: No action is required.

BMC73962I  STATISTICS WERE SUCCESSFULLY RESET.

Explanation: A RESETSTA command was issued and all selected statistics were successfully reset.

User response: No action is required.

BMC73963E  ERROR ACTIVATING THE SELECTED GROUP.

Explanation: The selected group was not found in the XBM repository or an internal error occurred. It is possible the group was deleted from the XBM repository after the File List was created.

User response: If you are sure that the group exists, contact BMC Customer Support.

BMC73964E  GROUP HAS BEEN REACTIVATED.

Explanation: The selected group was reactivated.

User response: No action is required.
BMC73965E  ERROR DEACTIVATING THE SELECTED GROUP GROUP IS NOT ACTIVE

Explanation: The group you selected to deactivate is not active. It might have been deactivated by another user.
User response: Use the DISPLAY XBM command to determine whether the group is still active. If it is still active, contact BMC Customer Support.

BMC73966I  GROUP IS EMPTY. USE ADD FUNCTION FOR NEW OBJECTS

Explanation: The group that you created or are currently editing contains no managed objects. For more information about using groups, see the chapter about management sets in the EXTENDED BUFFER MANAGER and SNAPSHOT UPGRADE FEATURE User Guide.
User response: No action is required.

BMC73967E  RESET OF STATISTICS NOT VALID FOR THIS FILE TYPE

Explanation: You attempted to reset statistics on an unsupported file type. Reset statistics is valid for active management sets, active groups, or data sets. Reset statistics is not valid for configurations.
User response: Select the proper object to reset, or activate the object before issuing the RESETSTA command. Contact BMC Customer Support for further assistance.

BMC73968E  ALL EXISTING MANAGEMENT SETS ARE ALREADY INCLUDED IN THIS GROUP

Explanation: You attempted to add objects to a group, but the management sets defined are already members of the selected group. There are no other objects from which to select.
User response: Select the proper object for group processing, or create a new group. Contact BMC Customer Support for further assistance.

BMC73969E  SELECTED OBJECT IS NO LONGER AVAILABLE

Explanation: You selected an object that is no longer in the XBM repository. It is possible that it was deleted from the repository by another user after your current list was generated.
User response: Redisplay the list to obtain a current list of objects from the XBM repository. Contact BMC Customer Support for further assistance.

BMC73970E  THIS OBJECT IS NOT CURRENTLY AVAILABLE FOR CACHING.

Explanation: This object is not cacheable by XBM. XBM must be able to obtain the object’s attributes from the MVS catalog to enable caching.
User response: Verify that the object is cataloged and should be cacheable. Contact BMC Customer Support for further assistance.
BMC73971E  ERROR ACTIVATING DYNAMIC CACHE.
Explanation: XBM was unable to activate caching for this object. Make sure that this object is an object type that can be cached.
User response: Verify the object type and check the XBM message log for messages. Contact BMC Customer Support for further assistance.

BMC73972E  ERROR ADDING ASSOCIATION TO MANAGEMENT SET.
Explanation: XBM was unable to make a change to this management set. Make sure that this is a valid operation.
User response: Verify the operation and check the XBM message log for messages. For further assistance, contact BMC Customer Support.

BMC73973E  UNABLE TO DEACTIVATE DATA SET.
Explanation: XBM was unable to deactivate a data set. The data set must be active to be deactivated.
User response: Verify the operation and check the XBM message log for messages. For further assistance, contact BMC Customer Support.

BMC73974I  STATISTICS RESET ON objectName AT time
Explanation: Reset statistics was performed on the named object.
User response: No action is required.

BMC73975E  OBJECT IS NOT CURRENTLY ACTIVE
Explanation: XBM was unable to perform the action because the object was not active.
User response: Activate the object and repeat the action. For further assistance, contact BMC Customer Support.

BMC73976E  DYNAMIC CACHE IS NOT AVAILABLE FOR THIS OBJECT TYPE
Explanation: XBM was unable to cache this object because the object was not eligible for dynamic caching.
User response: Verify whether the object type can be cached. If it can be cached, contact BMC Customer Support for further assistance.

BMC73978E  STATISTICS NOT AVAILABLE FOR THIS OBJECT
Explanation: You selected an object that no longer has any XBM statistics. This object has been removed from the cache and had its statistics deleted after the display list was generated.
User response: Redisplay the list to obtain a current list of objects from the XBM repository. For further assistance, contact BMC Customer Support.
**BMC73979E**  
**ObjectName HAS NO ASSOCIATED COMPONENT**  
*Explanation:* You selected an object that does not have a component associated with it for the function selected.  
*User response:* The command is not valid for this object. For further assistance, contact BMC Customer Support.

**BMC73980E**  
**componentName COMPONENT NOT LICENSED FOR THIS CPU.**  
*Explanation:* This component is not licensed for this CPU, or a newly licensed component has not been manually started.  
*User response:* Each component has an associated XBM password that is applied when XBM is installed. First, make sure that the XBM task is using the correct load library where the authorization module is installed. For information about adding passwords, see the *EXTENDED BUFFER MANAGER and SNAPSHOT UPGRADE FEATURE Installation Guide*. If the password for this component has been applied, try manually starting the component. For further assistance, contact BMC Customer Support.

**BMC73981I**  
**NUMBER OF MANAGEMENT SETS ADDED TO GROUP WAS number**  
*Explanation:* The group edit function added the displayed number of management sets to the group.  
*User response:* No action is required.

**BMC73982E**  
**UNABLE TO CREATE MANAGED OBJECT, VERIFY DATA SET NAME**  
*Explanation:* The management set was unable to add the data set name. This problem is usually caused by a data set name with one or more nodes that are not 1-8 characters in length.  
*User response:* Ensure that the data set name is properly entered, with 1-8 characters per node. For further assistance, contact BMC Customer Support.

**BMC73983E**  
**IMS MONITOR IS ALREADY ACTIVE.**  
*Explanation:* You attempted to invoke the IMS monitor, but the monitor is already active and cannot be invoked again.  
*User response:* No action is required.

**BMC73984I**  
**NO ACTIVE DATA SETS MATCH CURRENT SELECTION CRITERIA**  
*Explanation:* You attempted to invoke an ISPF function, but no active data sets were in the monitor list. The attempted function is only valid for actively managed objects in the monitor list.  
*User response:* Use the VIEW selection to change the monitor filter criteria to include the intended active objects in the monitor list. For further assistance, contact BMC Customer Support.
NO DATA SETS SELECTED

Explanation: You did not select one or more data sets for the ISPF function to process.

User response: Make sure you select at least one data set before attempting the ISPF function.

REQUESTED STATISTICS NOT AVAILABLE

Explanation: The statistics for this screen are not available. A possible reason for unavailability is attempting to view statistics for a non-used function. For example, selecting snapshot statistics for a data set that has not been registered for snapshot.

User response: No action is required.

REQUESTED ACTION IS CURRENTLY ACTIVE.

Explanation: The selected action is already invoked in this ISPF session. For example, a single ISPF session can only have one iteration of each monitor active at a time. Likewise, SAVETOMS must be exited before it can be invoked from another monitor.

User response: No action is required.

DATA SET MUST BE RESTART PENDING TO PERFORM TERM SNAPSHOT.

Explanation: The selected action is only available if the snapshot has terminated and is in restart pending status.

User response: No action is required.

ERROR LOADING SNAPSHOT INTERFACE MODULE.

Explanation: The stop snapshot failed because the XBM snapshot interface module could not be loaded.

User response: Ensure that the XBM started task is enabled. Contact BMC Customer Support for further assistance.

UNABLE TO COMPLETE SNAPSHOT STOP.

Explanation: The selected action could not be completed.

User response: Ensure that the XBM started task is enabled and that the snapshot that you are attempting to terminate is on the local XBM subsystem. You cannot terminate snapshots on a remote XBM subsystem from the ISPF interface. Contact BMC Customer Support for further assistance.

NO DATA SETS CURRENTLY AVAILABLE TO PRINT.

Explanation: The print command was unsuccessful because no data sets were selected for printing.

User response: Respecify the monitor list so that data sets appear in the list before you select the print command. Contact BMC Customer Support for further assistance.
BMC73992E  **SELECTION OF number MANAGED OBJECTS EXCEEDS MAXIMUM OF 200.**

**Explanation:** You cannot select more than 200 managed objects to save to a management set when using the SAVETOMS command. You selected more than 200 objects.

**User response:** Select again, specifying 200 objects or fewer. To include more than 200 objects in a management set, on the Management Set Edit panel, use pattern-matching characters to specify multiple objects. Alternately, use a group to control multiple management sets. Contact BMC Customer Support if you need further assistance.

BMC73993E  **MANAGEMENT SET ALREADY CONTAINS MAXIMUM NUMBER OF MANAGED OBJECTS.**

**Explanation:** The management set already contains the limit of 200 managed objects. You can add no more objects using the SAVETOMS command.

**User response:** Do not attempt to save more objects to this management set using the SAVETOMS command. To include more than 200 objects in a management set, on the Management Set Edit panel, use pattern-matching characters to specify multiple objects. Alternately, use a group to control multiple management sets. Contact BMC Customer Support for further assistance.

BMC73994E  **SELECTION OF number MANAGEMENT SETS EXCEEDS MAXIMUM OF 700**

**Explanation:** XBM prohibits the selection of more than 700 management sets at one time.

**User response:** Select 700 or fewer management sets.

BMC73995I  **EXPLANATION NOT AVAILABLE WHEN REASON CODE = 0**

**Explanation:** Snapshot utility processing was successful and reason code zero was issued. No explanation is necessary for reason code zero.

**User response:** No action is required.

BMC73996E  **ERROR SENDING COMMAND TO UTILITY**

**Explanation:** An error was detected while sending the command you issued for the utility.

**User response:** Try resending your command. If you receive the same message, contact BMC Customer Support for further assistance.

BMC73998I  **NO RESPONSE TEXT RETURNED FROM UTILITY.**

**Explanation:** No text was present in the response returned from the utility to which you sent the command.

**User response:** Contact BMC Customer Support for further assistance.
UTILITY JOB *jobName* DOES NOT SUPPORT COMMAND PROCESSING.

Explanation: The named utility job is not commandable. You cannot send commands to this utility job.

User response: No action is required.

If this problem occurs, call BMC Customer Support for assistance. Ensure that you have the XBM DTRACE log from the time of the error and an XBM address dump available when you call.
Messages BMC80200 through BMC81199

This chapter includes messages for the RECOVERY MANAGER for DB2 product, and because RECOVERY MANAGER is a component of the Recovery Management for DB2 product, for Recovery Management as well.

Messages BMC80200 through BMC80299

This group includes messages for the RECOVERY MANAGER for DB2 product.

**BMC80201E**  
UNKNOWN LISTGEN TYPE

*Explanation:*  This is an internal error.

*User response:*  Contact BMC Customer Support for RECOVERY MANAGER.

**BMC80202E**  
DYNAMIC LOAD FAILED UNABLE TO LOAD module

*Explanation:*  The installation program was unable to load the named module.

*User response:*  Check the load libraries in the JOBLIB or STEPLIB. Add the necessary library.

**BMC80203E**  
INVALID FUNCTION CODE functionCode, VERSION version

*Explanation:*  The program was called with a function code that was not recognized. The function code is shown in the message. This may be an internal program error or it may indicate that the calling program is not at a level compatible with the called function.

*User response:*  Check the load libraries being used to ensure that they are the appropriate versions. If you suspect a program problem, contact BMC Customer Support for the product.

**BMC80204I**  
INDEX COPY TABLE NOT FOUND

*Explanation:*  A SQLCODE -204 was returned when trying to access the BMC common index copy table. The synonym BMCARM_IXCOPY has not been set
up to access the table. The options indicate that COPY PLUS 5.1 or later is installed, so an index copy table should exist.

*User response:* The message is informational and may explain why index copies made with BMC utilities are not being located. Use the MAINT and MSGLEVEL(1) parameters of COPY PLUS to identify the index copy table. Create the BMCARM_IXCOPY synonym referencing that table.

**BMC80205E**

**INVALID TWO PART NAME: name**

*Explanation:* A two-part name was expected but the token did not contain a period to separate the parts.

*User response:* Identify the token in error, insert the period, and then run the job again.

**BMC80206I**

**BMCSTATS TABLE NOT FOUND**

*Explanation:* A SQLCODE -204 was returned when trying to access the BMC DASD Manager table. The synonym shown has not been set up to access a table. The options indicate that sizing via BMCSTATS is desired.

*User response:* The message is informational and may explain why data set sizing in the JCL is using the product defaults. Check with the BMC product installer to setup the product synonyms on the DASD Manager tables. If you do not wish to use BMCSTATS for sizing, change the Sizing option to a value other than BMCSTATS.

**BMC80207E**

**DSSNAP COPY NOT ALLOWED REASON = reasonCode**

*Explanation:* The copy selected has STYPE V, which is a DSSNAP copy. The copy cannot be used due to the reason shown. Reason codes:

- 1 - DB2 RECOVER is the recover utility
- 2 - RECOVER PLUS version is too low

*User response:* Select another copy or change the utility options.

**BMC80208E**

**INVALID LIKE CLAUSE GROUP CANNOT COPY ITSELF**

*Explanation:* The group name following the LIKE clause must be different than the group being created, a group cannot copy itself.

*User response:* Choose another group name.

**BMC80209E**

**FIRST KEYWORD MUST BE keyword**

*Explanation:* The first keyword in the command was not the one shown in the message.

*User response:* Correct the syntax and resubmit.
BMC80210E  VALUE text FOR KEYWORD keyword is TOO LONG
   Explanation:  The value entered is too long for the keyword shown.
   User response:  Correct the syntax and resubmit.

BMC80211I  RE-DOING STEP DUE TO NEW/RESET
   Explanation:  The job step will be executed again due to the NEW/RESET parameter.
   User response:  No action is required.

BMC80212I  SKIPPING STEP DUE TO RESTART
   Explanation:  The job step will not be executed because the sync file indicates that the step has already executed.
   User response:  No action is required.

BMC80213W  MISMATCH BETWEEN SSID PARAMETERS
   Explanation:  The SSID parameter to ARMBEXE does not match the SSID parameter being passed to the PROGRAM via the PARM keyword. ARMBEXE may not be able to correctly terminate in-flight utilities for restart.
   User response:  Verify that the correct SSID is being used for both programs.

BMC80214E  UNABLE TO EXPAND GDG NAME, RC= returnCode
   Explanation:  A GDG name containing a + was detected, but the program was unable to expand the data set name due to a bad return code from the OSLOCATE. The return code is shown in the message.
   User response:  Verify that the GDG base exists.

BMC80216I  CANNOT BE OPENED. fileName WILL CONTAIN VERIFICATION INFORMATION.
   Explanation:  Either the ppp VRPT DD was not specified could not be opened for printing. The information will be written at the end of the file shown in the message.

   The ppp variable specifies the product specific prefix, as follows:

   - ARM: RECOVERY MANAGER for DB2
   - ASG: System Recover for DB2

   User response:  No action is required.

BMC80217E  OPTIONS FILE ERROR FILE= fileName FN= function CC= conditionCode
   Explanation:  A failure occurred during customizable options processing. Condition code information is as follows:
<table>
<thead>
<tr>
<th>Function</th>
<th>Condition Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPEN</td>
<td>200</td>
<td>Module did not load</td>
</tr>
<tr>
<td>OPEN</td>
<td>201</td>
<td>Header information did not match what was expected</td>
</tr>
<tr>
<td>OPEN</td>
<td>202</td>
<td>Version was older than minimum required</td>
</tr>
<tr>
<td>GETKW</td>
<td>300</td>
<td>Keyword match not found</td>
</tr>
<tr>
<td>GETFIRST</td>
<td>100</td>
<td>This is the last keyword,value(s) set found</td>
</tr>
<tr>
<td>GETNEXT</td>
<td>100</td>
<td>This is the last keyword,value(s) set found</td>
</tr>
<tr>
<td>CLOSE</td>
<td>300</td>
<td>End of list - no keyword,value(s) returned</td>
</tr>
</tbody>
</table>

**User response:** Correct the options and try again.

**BMC80218**  
*fileName VERSN FILE ERROR: REASON = returnCode*

Explanation: The product was not able to successfully load the named VERSN file. Either the file was not found, or it was found but the format was incorrect.

**User response:** Correct the VERSN file name.

**BMC80219**  
*statusText*

Explanation: The exception status of the listed object.

**User response:** See the RECOVERY MANAGER for DB2 User Guide for more information about the status.

**BMC80220I**  
*solutionName version*

Explanation: The name and version of the solution if the product is running as part of a solution.

**User response:** No action is required.

**BMC80221W**  
*RESOURCES REPORT MAY BE INCOMPLETE FOR LOGS PAST THE RECOVERY POINT*

Explanation: The resources report contains all resources needed up to the recovery point that you specify. If the resolution of inflight units of work involves logs past the recovery point, these logs will not be listed in the report.

**User response:** Ensure that all required logs are available.
BMC80222W 'CAGROUPS YES' INVALID BECAUSE CHANGE ACCUM INSTALL NOT COMPLETE
Explanation:  CAGROUPS YES was specified, but all of the necessary Change Accum objects have not been created. See message BMC80301E that follows for the name of the missing object.
User response:  If Change Accum groups are needed, then ensure that all objects have been created. Otherwise, remove the CAGROUPS YES keyword and resubmit.

BMC80223I productName versionNumber MAINT: fixNumberList
Explanation:  This message provides the product name and version number, including the solution common code (SCC) information. It also lists the fix numbers applied to the RECOVERY MANAGER and SCC load libraries.
User response:  No action is required.

BMC80224E productName versionNumber OR HIGHER REQUIRED - FOUND versionNumber
Explanation:  RECOVERY MANAGER requires the indicated version of the solution common code (SCC). The message shows the currently installed version level.
User response:  Upgrade to the required version of SCC.

BMC80289E name1 FILE name2: FAILED WITH RC= returnCode. **
Explanation:  The program failed with the indicated return code while issuing an OSDYNALLOC command for the specified BSDS file. Processing unable to continue.
User response:  Use the indicated return code to determine and correct the allocation problem.

BMC80291I text OF FILE fileName: text REC, LEN= value1, EXPECTED LEN= value2
Explanation:  While reading the BSDS, the returned record length of the specified BSDS file did not match the expected length shown. Processing continues.
User response:  No action is required.

BMC80292E text OF FILE fileName FAILED text. RTNCODE= returnCode RSNCODE= reasonCode
Explanation:  The program failed while attempting to access the specified BSDS file. The VSAM return code and reason code are shown in the message.
User response:  Determine the cause of the problem based on the reason and return codes, correct the problem, and retry. The severity of the message depends on the type of data that was being accessed.
BMC80292W  **text OF FILE** fileName **FAILED**  **text**. RTNCODE= returnCode RSNCODE= reasonCode  
*Explanation:* The program failed while attempting to access the specified BSDS file. The VSAM return code and reason code are shown in the message.  
*User response:* Determine the cause of the problem based on the reason and return codes, correct the problem, and retry. The severity of the message depends on the type of data that was being accessed.

BMC80293I **SSID= ssid, RESTARTRBA = rba, RESTARTRBA TIMESTAMP = time**  
*Explanation:* Issued by ARMBGPD when the RESTARTRBA keyword is used. This is an informational message that informs the user what restart RBA will be used for analysis, and to which timestamp that restart RBA corresponds.  
*User response:* No action is required.

BMC80294W **RESTARTRBA OPTION IGNORED, ALL NEW SPACES WILL BE ADDED**  
*Explanation:* The RESTARTRBA option was ignored by ARMBGPD. This means that all new spaces created since the last run of ARMBGPS will be added, even if they were created after the timestamp associated with the restart RBA. See the subsequent BMC80617 message for the reason that the message was ignored. There may be messages issued before this one that further explain the reason.  
*User response:* If there is the possibility that new spaces were created after the restart RBA point, then you must rerun ARMBGPD when the errors are fixed. Otherwise the delta group created may contain objects that will not exist once the subsystem is restored.

BMC80295E **callAttachMessage**  
*Explanation:* The above message was issued by the DB2 Call Attach Facility.  
*User response:* Review messages. Refer to the DB2 Messages and Codes manual for further information about the Call Attach error messages.

BMC80296W **CHANGE ACCUM GROUP IS EMPTY, GROUP NUMBER = number**  
*Explanation:* The resulting CHANGE ACCUM group contains no objects. Any attempt to execute R+/CHANGE ACCUM against this group will fail.  
*User response:* Review the CAEXCLUDE specification and correct R+/CHANGE ACCUM JCL jobs as needed.

BMC80297W **INDEX CANNOT BE COPIED INDEX= index**  
*Explanation:* The index shown was ineligible for index copy and no JCL was generated for this index. Subsequent messages contain detail on why the index could not be copied. The product will continue processing but no JCL will be generated for the named index.  
*User response:* Check the additional messages. Correct any problems found and submit the job again.
BMC80298I  REBUILD REQUIRED DUE TO condition
Explanation: The index shown in message BMC80299 was eligible for recovery from an image copy, but a rebuild is required due to the condition shown in this message. Recovery elapsed time may be slower.
User response: This message is for information only. No action is required.

BMC80299I  REBUILD REQUIRED FOR INDEX index
Explanation: The index shown was eligible for recovery from image copy, but a rebuild is required due to the condition shown in message BMC80298.
User response: Refer to message BMC80298 for the reason for the rebuild. Recovery elapsed time may be slower due to the rebuild.

Messages BMC80300 through BMC80399
This group includes messages for the RECOVERY MANAGER for DB2 product.

BMC80300E  CAF ERROR: RC = returnCode REASON = reason
Explanation: An error occurred during a DB2 Call Attach Facility command. The return code and reason are shown in the message.
User response: See the IBM DB2 Messages and Codes manual for more information.

BMC80301E  SQL ERROR: SQLCODE= sqlCode STMTID= stmtID, DBRM= dbrm
Explanation: An unexpected SQL error occurred during execution of an SQL statement. DB2 error messages follow this message.
User response: See the IBM DB2 Messages and Codes manual for more information about the DB2 messages.

BMC80302E  UNABLE TO CONNECT TO DB2 SSID = ssid
Explanation: The product was unable to connect to DB2 through the Call Attach Facility. Call Attach Facility error information messages will follow. If the error was issued when you attempted to run ARMBSRR, the target DB2 subsystem may be inactive. The connection to DB2 will fail if the DSNALI module could not be loaded.
User response: See the IBM DB2 Messages and Codes manual for more information about the Call Attach Facility messages.

BMC80303E  DISCONNECT FAILED SSID = ssid
Explanation: The product was unable to disconnect from DB2 through the Call Attach Facility. Call Attach Facility error information messages will follow.
User response: See the IBM DB2 Messages and Codes manual for more information about the Call Attach Facility messages.
**BMC80304E**  
**PLAN OPEN FAILED - PLAN NAME** *planName*  
*Explanation:* The product was unable to open the DB2 plan through the Call Attach Facility. Call Attach Facility error information messages will follow.  
*User response:* See the IBM DB2 Messages and Codes manual for more information about the Call Attach Facility messages.

**BMC80305E**  
**PLAN CLOSE FAILED - PLAN NAME** *planName*  
*Explanation:* The product was unable to close the DB2 plan through the Call Attach Facility. Call Attach Facility error information messages will follow.  
*User response:* See the IBM DB2 Messages and Codes manual for more information about the Call Attach Facility messages.

**BMC80306E**  
**MESSAGE RETRIEVAL FAILED**  
*Explanation:* A previous SQL error occurred, but the DB2 messages related to it could not be retrieved through DSNTIAR.  
*User response:* Check for related previous messages and then contact BMC Customer Support for RECOVER PLUS.

**BMC80307E**  
**UNSUPPORTED DB2 VERSION** *versionNumber*  
*Explanation:* The product does not support the version of DB2 installed.  
*User response:* Install a supported version of DB2. The product supports DB2 Version 7 or later.

**BMC80308I**  
**option IGNORED SPACE=** *space*  
**REASON=** *reason*  
*Explanation:* The specified option will be ignored when generating the JCL, for the stated reason.  
*User response:* This message is for information only. No action is required.

**BMC80309I**  
**CONNECTED TO DB2 SSID =** *ssid*  
**VERSION** *version*  
**mode**  
*Explanation:* The product successfully connected to the DB2 subsystem running under the version and mode shown in the message.  
*User response:* This message is for information only. No action is required.

**BMC80310I**  
**MEMBERCAT OPTION INVALID, SWITCHING TO DATASHARE GROUP PROCESSING**  
*Explanation:* The DATSHARE MEMBERCAT option is no longer valid as input to ARMSR. ARMSR will process the input as if DATSHARE GROUP was specified.  
*User response:* This message is for information only. No action is required.
**BMC80311E QUIESCE MEMBERS ERROR**

*Explanation:* There was an error in the QUIESCE MEMBERS list. Either all members in the data sharing group are quiesced, or one of the members specified is not part of the data sharing group.

*User response:* Verify and correct the group member names.

**BMC80312W CONTINUING WITHOUT COPY ANALYSIS DUE TO PREVIOUS ERRORS**

*Explanation:* ARMBSRR was not able to successfully perform Report Recovery utility analysis. It will continue with the JCL generation process, but the tape volume picklist may be incomplete. It will not contain the volumes of the archive log files needed for recovery of the catalog and directory.

*User response:* Check for previous messages to determine the cause of the error.

**BMC80313E PROGRAM name FAILED, RC= returnCode**

*Explanation:* ARMBEXE received a failing return code after attaching the program specified.

*User response:* Check output files for messages from the attached program to determine the problem.

**BMC80314W RU FOR VSAM UNAVAILABLE dataSet NOT PROCESSED**

*Explanation:* RUV is specified as the utility for the named data set but the RUV subsystem is not available so the data set will not be processed.

*User response:* If you wish to use RUV, select an active subsystem.

**BMC80315I UNABLE TO LOCATE CHECKPOINT PRIOR TO rba/ lrsn FOR SSID ssid**

*Explanation:* When performing INDOUBT analysis, ARMBSRR was unable to locate the last check point before the RBA or LRSN shown. The message also indicates the subsystem ID. The product can continue searching for checkpoints in earlier logs and processing continues.

*User response:* You may need to establish a new recovery point. Follow the procedures documented in the disaster recovery chapter of the *RECOVERY MANAGER for DB2 User Guide* for running ARMBSRR. Collect a Print Log Map report for the subsystem or member, along with the ARMBSRR output and contact BMC Customer Support for the product if you suspect a program error.

**BMC80315E UNABLE TO LOCATE CHECKPOINT PRIOR TO rba/ lrsn FOR SSID ssid**

*Explanation:* When performing INDOUBT analysis, ARMBSRR was unable to locate the last check point before the RBA or LRSN shown. The message also indicates the subsystem ID. No checkpoints can be found near the recovery point and processing stops.

*User response:* You may need to establish a new recovery point. Follow the procedures documented in the disaster recovery chapter of the *RECOVERY MANAGER for DB2 User Guide* for running ARMBSRR. Collect a Print Log Map
BMC80316E  SELECT RECOVERY POINT BEFORE GENERATING JCL
Explanation: You requested recover JCL generation, but a recovery point has not been selected. You must select a recovery point at least once, and you must select a recovery point again after generating recover JCL or editing utility options.
User response: Use the recovery point option to select a recovery point.

BMC80317E  SQL ERROR: SQLCODE=sqlCode
Explanation: An unexpected SQL error occurred during execution of an SQL statement. DB2 error messages follow.
User response: See the IBM DB2 Messages manual for more information.

BMC80318E  product VERSION versionNumber DOES NOT SUPPORT OPTION
Explanation: The version of the product contained in the Control Information does not support the option selected. If versionNumber = 000, the version is not set in the Control Information.
User response: Correct the version of the product shown in the Control Information or do not attempt to use the option.

BMC80319W  utility VIA set NOT SUPPORTED FOR DATA TYPE type
Explanation: The utility options selected for the data set named in the message specify an invalid utility for this action. The action will not be performed for this data set.
User response: Select a set of utility options with a valid utility for this action.

BMC80320W  BMC UTILITY VERSION LOW FOR DB2 VERSION: utilityAndVersion
Explanation: The BMC utility shown is at a level that is earlier than the minimum required to support the named version of DB2. An attempt to generate JCL using that utility will cause the product to use a DB2 utility instead.
User response: Review the DB2 and BMC Software control information. Upgrade the BMC Software utilities if necessary. See the chart below for the minimum required versions.

<table>
<thead>
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<td>7.2.00</td>
<td>4.2.00</td>
<td>1.302</td>
<td>3.2.00</td>
<td>3.2.00</td>
<td>5.4.00</td>
</tr>
<tr>
<td>V9</td>
<td>8.1.00</td>
<td>8.3.00</td>
<td>8.1.00</td>
<td>1.3.02</td>
<td>8.1.00</td>
<td>8.1.00</td>
<td>5.6.00</td>
</tr>
</tbody>
</table>
### Note

DB2 Version 10 requires XBM version 5.6.00 with PTF BPE0311.

#### MBC80321I

**DSNUTILB SUBSTITUTED FOR utility ON object INSTANCE instance**

*Explanation:* The BMC utility shown is at a level that is lower than the version required to support the version of DB2 (or the DB2 feature) in use. The product will use a DB2 utility instead of the named utility. The instance value of the object is displayed only when running on DB2 Version 9 or later and not in compatibility mode. See the following chart for the minimum required versions.

DB2 COPY does not support indexes with the COPY NO option.

<table>
<thead>
<tr>
<th>DB2</th>
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<td></td>
</tr>
</tbody>
</table>
| V10 | 10.1.00   | 10.1.00    | 10.1.00      | 10.1.00| 10.1.00    | 10.1.00                | 5.6.00 (see the note below)

*User response:* Review the DB2 and the product's control information. Upgrade the installed BMC utilities if necessary. Otherwise, the message is for information only.

#### BMC80322I

**DB2 RECOVER SUBSTITUTED FOR RECOVER PLUS ON object INSTANCE instance**

*Explanation:* Recovering the named object requires a DFSMS concurrent copy. The installed version of RECOVER PLUS does not support DFSMS concurrent copies. The product will use DB2 RECOVER to perform the recovery instead of using RECOVER PLUS. The instance value of the object is displayed only when running on DB2 Version 9 or later and not in compatibility mode.

*User response:* This message is for information only. No action is required.

#### BMC80323E

**COPY TYPE NOT SUPPORTED FOR USE BY RECOVER PLUS**

*Explanation:* The installed version of RECOVER PLUS does not support DFSMS concurrent copies.

*User response:* Perform one of the following actions, and then try again:
- Select another recovery point.

- Change the recover utility to DB2 Recover by editing the utility options in force for this object.

**BMC80324 E**  
**BMCUtilityName**  
**VERSION**  
**versionNumber**  
**IS LOW FOR RECOVERY MANAGER VERSION**  
**versionNumber**

*Explanation:* The BMC utility and version given in the message is too low for use with the RECOVERY MANAGER version.

Due to differences in the repositories, RECOVERY MANAGER cannot generate JCL if the COPY PLUS or RECOVER PLUS version is less than 9.2.00.

*User response:* BMC strongly recommends that you upgrade the BMC utility given in the message to take advantage of the new RECOVERY MANAGER repository.

**BMC80325I**  
**DB2 RECOVER SUBSTITUTED FOR RECOVER PLUS DUE TO BMC TABLES**

*Explanation:* The group contains BMC tables or their indexes, which are needed by RECOVER PLUS. The recover utility is switched to DSNUTILB.

*User response:* This message is informational only. No action is required.

**BMC80326E**  
**ALLOCATION FAILED FOR**  
**file**  
**ECODE=**  
**ecode**  
**ICODE=**  
**icode**

*Explanation:* Allocation of the file shown failed.

*User response:* Look up the ECODE and ICODE to determine the cause of the failure. The codes are documented in the MVS programming authorized assembler services guide or equivalent manual.

**BMC80327E**  
**FILE I/O ERROR FOR DDNAME**  
**file**  
**RC=**  
**returnCode**

*Explanation:* An I/O error occurred for the file shown. For VSAM data sets, the return code is the negative VSAM return code (register 15).

Return code 8 is a logical error. Return code 12 is a physical error. The specific error is indicated in the RPL feedback area.

*User response:* Look up the return code to determine the cause of the failure. The codes are documented in the *IBM Macro Instructions for Data Sets* or the equivalent manual.

**BMC80328I**  
**ERROR DURING**  
**operation**  
**REASON=**  
**reason**

*Explanation:* An I/O error occurred for the operation shown. For VSAM data sets, the reason is the VSAM RPL feedback code.
Reason code 8 is duplicate record. Reason code 16 is record not found.

User response: Look up the reason code to determine the cause of the failure. The codes are documented in the IBM Macro Instructions for Data Sets or the equivalent manual.

**BMC80329W**

INDEX ALL=YES AND GROUP BYPART: CHANGED REBUILD=NO TO YES

Explanation: The REBUILD INDEX option was automatically changed from NO to YES to avoid the possibility of generating invalid recovery JCL. For TOCOPY or TOQUIESCE recoveries, using the INDEX ALL=YES and GROUP BYPART options can cause different recovery points to be used for different parts of the same table space. In this situation, RECOVER PLUS is unable to determine the correct recovery point for a non-partitioned index. Changing REBUILD to YES avoids the problem because the indexes will always be rebuilt correctly to match the table space. (Note that there are no checks to verify whether the recovery points are actually different for different parts within the same table space.)

User response: To avoid rebuilding all indexes, take one of the following actions:

- select a different recovery type (not TOCOPY or TOQUIESCE)
- do not specify INDEX ALL=YES

**BMC80330E**

BMC UTILITY VERSION: utilityAndVersion LOW FOR DB2 VERSION: versionNumber

Explanation: RECOVERY MANAGER cannot generate JCL because the BMC utility version or PTF level is less than the required version or level.

User response: Review the DB2 and BMC Software control information. Upgrade the BMC Software utilities if necessary. See the chart below for the minimum required versions.

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</table>

**Note**

DB2 Version 10 requires XBM version 5.6.00 with PTF BPE0311.
**BMC80333I**  
**AUTHORIZATION CHECK FOR USERID userID**

*Explanation:* The user ID was being processed when an error was detected.
*User response:* See message BMC80335I.

**BMC80334I**  
**DATASET= dataSet, VOLUME= volume**

*Explanation:* The data set and volume were being processed when an error was detected.
*User response:* See message BMC80335I.

**BMC80337W**  
**UNABLE TO OBTAIN SIZING FOR dataSetName**

*Explanation:* The SIZING YES option was selected to obtain a volume usage report, but sizing information could not be obtained for the data set shown. Possible causes of the problem are that the data set is archived or VTOC information is inaccessible. There may be other causes.
*User response:* The message is a warning that sizing information is incomplete. Ascertain why the information is incomplete and take steps to rectify the situation.

**BMC80341E**  
**LOGMARK NOT FOUND**

*Explanation:* Log mark recovery is not allowed because a log mark was not found.
*User response:* Use another recovery method or create a log mark for use with the recovery.

**BMC80342W**  
**INCOMPLETE LIST ADDITIONAL ENTRIES ARE NOT INCLUDED**

*Explanation:* The requested list reached the maximum allowed size and further additions could not be made. At least one entry was not added to the list.
*User response:* You may want to use a less generic search if possible.

**BMC80348W**  
**SWITCHING TO NON_MIRRORED RECOVERY. SEE PREVIOUS MESSAGE.**

*Explanation:* You specified mirroring with an invalid option such as one of the following options:

- OFFSITE YES
- INITIALIZE ACTIVES
- LASTRBA
- LASTLRSN
ARMBSRR sets RC4 and issues this message along with BMC80896W, which gives the invalid combination.

User response: Accept non-mirrored recovery, or specify mirroring with a valid option and resubmit the job.

**BMC80349I**

**NO ADEQUATE BACKUP REGISTERED FOR OBJECT(S) SINCE LAST OPENED FOR UPDATE**

Explanation: The product found that these objects had not been backed up since they were last updated.

User response: Consider backing up these objects.

**BMC80350I**

**dataSetName NOT ADDED TO THE LIST**

Explanation: The data set name given in the message was found to be either a duplicate or uncataloged during volume group processing. It will not be included in the group. Processing continues.

User response: This message is for information only. No action is required.

**BMC80351I**

**VOLUME = volume DSN = dataSetName**

Explanation: The product processed the volume/data set named in the message.

User response: This message is for information only. No action is required.

**BMC80352E**

**TOO MANY SELECTIONS - ONLY ONE ITEM MAY BE SELECTED**

Explanation: Only one of the indicated items may be selected on this panel. Processing cannot continue.

User response: Select only one item to allow processing to continue.

**BMC80353E**

**LOG MASTER NOT INSTALLED text**

Explanation: LogMaster must be installed to use the Transaction Recovery feature. This message is issued either because the version of Log Master is too low or is not installed. If the version is too low, the version is printed in the message. If the product is not installed, the message contains the subsystem id and the name of the missing control option.

User response: Install LogMaster and ensure the control option is in place.

**BMC80354E**

**PRODUCT NOT INSTALLED - R+/CHANGE ACCUM NOT IN OPTIONS**

Explanation: R+/CHANGE ACCUM is required to use the requested feature. However, according to the control information, the product is not installed.

User response: Either change your selection or install R+/CHANGE ACCUM and set the appropriate flag in the BMC Products panel of the control information. You can access the control information from the product’s Main Menu.
BMC80355E  POINT NOT AVAILABLE FOR RECOVERY OF TRANSACTION  
Explanation: A valid recovery point before the start time could not be found for all spaces included in this transaction. PIT and REDO are not available. 
User response: Use UNDO to recover this transaction.

BMC80356E  MORE THAN nn VOLUMES WERE SPECIFIED  
Explanation: More than the allowable number of volumes for a single data set was specified. 
User response: Reduce the number of volumes and register the data set.

BMC80357E  INVALID TIMESTAMP ORDER END TIME MUST BE <= CURRENT TIME  
Explanation: The End Time must be less than or equal to the value of the Current Time. Timestamp format is YYYYDDDHHMMSST. If fewer than 14 digits are specified, trailing zeros are implied. 
User response: Correct the end time.

BMC80358E  2 COPIES ALLOWED FOR FDR  
Explanation: If you choose FDR as the backup utility, a maximum of two backup copies can be made. 
User response: Select two or fewer backup copies.

BMC80359E  ENDRBA rba1 IS LESS THAN THE STARTRBA rba2  
Explanation: The RBA or LRSN selected as the end of the quiet range must be greater than the RBA or LRSN selected as the start of the quiet range. 
User response: Correct the ENDRBA.

BMC80360I  QUIET POINT RANGE FROM value1 TO value2 AT value3 IS IN SPECIFIED RANGE  
Explanation: The indicated quiet point range was found within the time range that you specified. 
User response: This message is informational. No action is required.

BMC80361I  LOGPOINT logPoint IS IN QUIET POINT RANGE FROM value1 TO value2 AT value3  
Explanation: The indicated log point is located within the specified quiet point range. 
User response: This message is informational. No action is required.

BMC80362E  NO QUIET POINT RANGES WERE FOUND IN THE SPECIFIED RANGE  
Explanation: The product found no quiet point ranges within the time range that you specified. 
User response: Select a different time range or choose another operation that does not require a quiet point.
BMC80363W SPECIFIED LOGPOINT DOES NOT FALL IN A QUIET POINT RANGE

Explanation: The log point that you specified does not fall within a quiet point range.

User response: Select a different log point or choose another operation that does not require a quiet point.

BMC80364W QUIET POINT ABOVE DOES NOT HAVE A COMPLETE SET OF COPIES

Explanation: The product could not find a valid set of copies for the quiet point that you selected.

User response: Verify that the appropriate copies exist or select another quiet point.

BMC80365I C.D.R. TIMESTAMP timeStamp HAS BEEN DELETED

Explanation: The indicated coordinated disaster recovery timestamp was deleted from the CDR table.

User response: This message is informational. No action is required.

BMC80366I db2Utility SUBSTITUTED REASON= reason FOR type ON object INSTANCE instance

Explanation: JCL for the DB2 utility is generated. The requested BMC utility cannot create a backup or recovery of the specified object for one of the following reasons:

REASON=01: RECOVER PLUS Outcopy Only does not support DB2 catalog and directory objects.

REASON=02: COPY PLUS Snapshot does not support copying the DB2 special spaces.

REASON=03: COPY PLUS COPY IMAGECOPY does not support copying the DB2 special spaces.

REASON=04: BMC Utility does not support Varying Index keys PADDING=NO.

REASON=05: The BMC Utility does not support Index Keys > 255

REASON=06: The BMC Utility does not support versioned objects

REASON=07: The BMC Utility does not support LOB objects

REASON=08: The BMC Utility does not support a variable CISIZE > 4096

REASON=09: The BMC utility does not support table-controlled partitioning or data-partitioned secondary indexes (DPSIs).

REASON=10: The BMC utility does not support more than 999 partitions.
REASON=12: The BMC utility does not support Unicode characters that cannot be translated to EBCDIC characters.

REASON=13: The BMC Utility does not support encoding scheme of Unicode

REASON=14: The BMC Utility does not support cloned objects

Note that the instance value of the object is displayed only when running on DB2 Version 9 or later and not in compatibility mode.

DB2 COPY does not support indexes with the COPY NO option.

User response: This message is informational. No action is required.

BMC80367I INFLIGHT RESOLUTION PRECLUDED - text INSTANCE instance
Explanation: JCL for a recovery TOLOGPOINT with RESOLVE_INFLIGHTS option cannot be generated for the object because the recover utility is not RECOVER PLUS version 5.2.00 or later. The instance value of the object is displayed only when running on DB2 Version 9 or later and not in compatibility mode.
User response: This message is informational. No action is required.

BMC80368E ERROR PROCESSING THE CRRDRPT TABLE, RC = returnCode
Explanation: RMGR encountered an internal error while processing the CRRDRPT table
User response: Contact BMC Customer Support.

BMC80369I WORKFILE DATABASE OBJECT(S)
Explanation: This message lists the work file database objects.
User response: This message is informational. No action is required.

BMC80370E SUBSYSTEM MIRRORING MUST BE AT LEAST LEVEL 2
Explanation: The Recovery Management for DB2 password must be applied and the mirror strategy must be set in the subsystem general recovery options in order to access mirroring functions. You must be mirroring the catalog and directory and the BSDS to access the mirroring function that you have specified.
User response: Verify that you are using the Recovery Management for DB2 solution password and that you have correctly set the subsystem-level recovery options to support mirroring Level 2.

BMC80371I HWLEVEL OVERRIDDEN BY MIRRORING OPTIONS
Explanation: The HWLEVEL options are overridden by mirroring options that you specified using the Recovery Management for DB2 solution functionality.
User response: This message is informational. No action is required.
<table>
<thead>
<tr>
<th>Code</th>
<th>Message Title</th>
<th>Explanation</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC80372I</td>
<td>MIRRORED JCL GENERATION COMPLETE - BEGINNING NON-MIRRORED JCL GEN</td>
<td>The JCL that recovers non-mirrored objects (but does not include mirrored data because that is already available at the recovery site) has been generated. The product is generating the alternate JCL that recovers all data as if no objects are mirrored. This JCL can be used if mirroring fails.</td>
<td>This message is informational. No action is required.</td>
</tr>
<tr>
<td>BMC80373W</td>
<td>OBJECT NOT MIRRORED - SWITCHING TO NON-MIRRORED RECOVERY</td>
<td>The product cannot verify that the indicated object is mirrored. It will be included in the recovery JCL.</td>
<td>This message is informational. No action is required.</td>
</tr>
<tr>
<td>BMC80374W</td>
<td>SYSTEM DATA SETS NOT MIRRORED - SWITCHING TO NON-MIRRORED RECOVERY</td>
<td>The product cannot verify that the system objects are mirrored (Level 1 mirroring). It will generate JCL for a non-mirrored recovery.</td>
<td>This message is informational. No action is required.</td>
</tr>
<tr>
<td>BMC80375E</td>
<td>HARDWARE MIRROR SUPPORT NOT ACTIVE</td>
<td>The Recovery Management for DB2 password must be applied and the mirror strategy must be set in the subsystem general recovery options in order to access mirroring functions.</td>
<td>Verify that you are using the Recovery Management for DB2 solution password and that you have correctly set the subsystem-level recovery options to support mirroring.</td>
</tr>
<tr>
<td>BMC80376I</td>
<td>SUBSYSTEM MIRRORING LEVEL level WAS SUCCESSFULLY VERIFIED</td>
<td>The product verified successfully mirroring for the level indicated.</td>
<td>This message is informational. No action is required.</td>
</tr>
<tr>
<td>BMC80377W</td>
<td>REQUIRED SUBSYSTEM DATA SETS ARE NOT MIRRORED</td>
<td>The product could not verify that the system data sets required for the function that you specified are mirrored.</td>
<td>Either correct the mirroring status of the system data sets or select another function.</td>
</tr>
<tr>
<td>BMC80378E</td>
<td>MIRROR VERIFICATION INTERNAL ERROR</td>
<td>The product produced an internal error while attempting to verify the mirroring status of the required objects.</td>
<td>Contact BMC Customer Support.</td>
</tr>
</tbody>
</table>
**BMC80379W**  INFLIGHT RESOLUTION IGNORED - *reason*

*Explanation:* Recovery with inflight resolution is not allowed due to the stated reason, and will be ignored. Recovery to the specified recovery point will proceed without resolving inflight transactions. Inflight resolution requires all of the following conditions:

- Recovery Management version 2.2 or later (with valid solution password)
- RECOVER PLUS *for DB2* version 4.2 or later specified as the recover utility

*User response:* Correct the conditions or choose another type of recovery.

**BMC80380E**  TOTIMESTAMP INVALID *reason*

*Explanation:* Timestamp recovery is not allowed due to the reason stated. Timestamp recovery requires all of the following conditions:

- Recovery Management version 2.2 or later (with valid solution password)
- RECOVER PLUS *for DB2* version 4.2 or later specified as the recover utility
- data sharing environment

*User response:* Correct the conditions or choose another type of recovery.

**BMC80381E**  TOLOGMARK INVALID *text*

*Explanation:* Log mark recovery is not allowed due to the reason stated. Log mark recovery requires all of the following conditions:

- Use of a Recovery Management password
- Use of RECOVER PLUS version 9.1.00 or later as the recover utility

*User response:* Make changes to meet the requirements and resubmit the job.

**BMC80382E**  INVALID SELECTION *option1 WITH option2 NOT ALLOWED*

*Explanation:* The type of object indicated is in your group. The possible types are:

- LOB
- XML
- NOT LOGGED
- index on expression
- compressed indexes
The object type will be processed by DB2 utilities instead of BMC utilities; therefore the indicated option or keyword is not supported, as follows:

Backup Options

- COPY IMAGECOPY (LOB, index on expression, compressed indexes)
- OUTCOPY (all types)
- SHRLEVEL CONCURRENT (LOB, XML, compressed indexes)

Recover Options

- BACKOUT YES (all types)
- UNLOADKEYS/BUILDINDEX (all types)

User response: Either remove the objects from the group or change the copy or recover option shown in the message.

**BMC80383E**  
_text1 - DS IS text2_  
_Explanation:_ The data set or member specified either has an organization mismatch with the actual data set or the data set does not exist.  
_User response:_ Correct the specified data set name or data set and retry.

**BMC80384E**  
_ONLY ONE LIKE PARAMETER ALLOWED PER CREATE COMMAND_  
_Explanation:_ The ARMBGRP CREATE GROUP statement has more than one LIKE option specified.  
_User response:_ Correct the JCL and resubmit the job.

**BMC80385I**  
_NOT A ZOOMABLE FIELD_  
_Explanation:_ The cursor was not positioned on a field eligible for the ZOOM command.  
_User response:_ Reposition the cursor on a field that contains a DB2 long name.

**BMC80386E**  
_INVALID SELECTION PARALLEL YES AND keyword NOT ALLOWED_  
_Explanation:_ The PARALLEL Yes option cannot be specified with the named keyword. The restrictions on the use of PARALLEL YES are:

- The objects must be copied as a group
- Concurrent/DFSMS copies cannot be copied in parallel

_User response:_ Either set PARALLEL to No, or do not attempt to use the named option.
BMC80387E  INVALID SELECTION option1 AND option2 NOT ALLOWED

Explanation: The recovery options, BACKOUT YES and the listed option are mutually exclusive. The following options are not valid with BACKOUT YES:

- LOGSCAN
- UNLOADKEYS
- OUTCOPY
- LOGONLY

User response: To select BACKOUT YES, change the listed option to NO.

BMC80388W  INVALID SELECTION option OVERRIDES BACKOUT AUTO

Explanation: The recovery options, BACKOUT AUTO and the option shown in the message are mutually exclusive. The following options override BACKOUT AUTO and change the recovery to BACKOUT NO:

- LOGSCAN
- LOGONLY

User response: To use BACKOUT AUTO, change the indicated options to NO.

BMC80389W  INVALID SELECTION BACKOUT AUTO OVERRIDES option

Explanation: The recovery option BACKOUT AUTO and the listed option are mutually exclusive. BACKOUT AUTO overrides the following options:

- OUTCOPY YES
- UNLOADKEYS

If either is specified, BACKOUT AUTO takes precedence, and RMGR changes the indicated option to NO.

User response: No action is required. The selected backup utility will make copies after the BACKOUT AUTO recover.

BMC80390I  UNRECOVERABLE EVENT

Explanation: The ARMBGPV encountered an object with a BAD TYPE status when printing the Exception Report, which means the object is not recoverable to the selected recovery point. An entry in SYSIBM.SYSCOPY indicates that an event that prevents recovery occurred between the recovery point and the
preceding full image copy. Events precluding a recovery are REORG LOG NO, LOAD LOG NO, and LOAD REPLACE LOG NO.

User response: You may select an alternate recovery point for the object (action code L) or select Recover again and choose a new recovery point for the entire group. A valid recovery point for the object may not exist.

BMC80391I  BACKOUT AUTO. CHANGED TO BACKOUT NO FOR objectName
INSTANCED instance

Explanation: A LOG(NO) event took place between current time and the recovery point. A BACKOUT AUTO is not possible. BACKOUT AUTO is being changed to BACKOUT NO and forward recovery is being processed. The instance value of the object is displayed only when running on DB2 Version 9 or later and not in compatibility mode.

User response: No action is required.

BMC80392W  INVALID SELECTION BACKOUT AUTO OVERRIDES IX REBUILD ALL

Explanation: The recover option REBUILD INDEX ALL cannot be specified with BACKOUT AUTO. BACKOUT AUTO overrides the INDEX ALL rebuild. Only objects in the group will be recovered.

User response: No action is required. However, if you want to rebuild all indexes, change the BACKOUT option to either YES or NO.

BMC80393E  INVALID SELECTION. option AND type NOT ALLOWED

Explanation: BACKOUT is only valid when recovering to a point in time in a non-disaster recovery scenario. It is invalid when recovering TOCURRENT, TOCOPY, or TORESTARTRBA.

User response: Select another recovery point for backout recovery (to quiesce, to a common recovery point, or to a log point) or select BACKOUT NO.

BMC80394W  INVALID SELECTION selection AND LOGONLY NOT ALLOWED

Explanation: Recover option LOGONLY cannot be specified with either the BACKOUT AUTO or BACKOUT YES option. BACKOUT AUTO is changed to BACKOUT NO.

User response: Either change the LOG ONLY option, or specify a different backout options

BMC80395I  INVALID SELECTION. BACKOUT OVERRIDES INDEX REBUILD

Explanation: Recover option BACKOUT and options to rebuild indexes are not valid combinations. BACKOUT overrides INDEX REBUILD because a backout recovery backs out updates to the indexes as well as the table spaces.

User response: No action is required. However, if you do not want BACKOUT to override INDEX REBUILD, change the option to BACKOUT NO.
INDEX CANNOT BE REBUILT OR RECOVERED DUE TO TS IN REORP

Explanation: An index could not be rebuilt or recovered because the product found the associated table space is in REORP status.

User response: The message is for information only. You may want to investigate why the table space is in REORP status.

RECOVERY POINT NOT AVAILABLE FOR objects

Explanation: A recovery point matching the user specified point could not be located. The objects indicated are not recoverable to that point.

User response: The message is for information only. You may want to select a different recovery point or take an action to make the objects recoverable.

NO LOG RANGES.

Explanation: No log ranges were found for the selected objects.

User response: Run the REPORT RECOVERY utility to verify whether there are log ranges for the object.

NO LOG RANGES objectName

Explanation: No log ranges were found for the named object. If the product can continue generating JCL, a warning message is issued. Otherwise, an error is issued. The product ignores the XUNCHANGED keyword, if specified.

User response: Run the REPORT RECOVERY utility to verify whether there are log ranges for the object.

NO MATCHES FOUND

Explanation: The product could not find any DB2 objects that match the list generation criteria.

User response: Check the spelling and the pattern you specified for the list.

Messages BMC80400 through BMC80499

This group includes messages for the RECOVERY MANAGER for DB2 product.
BMC80401E  MISSING WILD CARD

Explanation: List Generation Services was called to produce a list of names matching a name pattern. The name pattern did not contain a wildcard character. This is an internal program error.

User response: Contact BMC Customer Support for the product.

BMC80402W  OBJECT NOT FOUND - objectName (owner) NOT IN DB2 CATALOG

Explanation: List Generation Services was called with an object name that was not found in the DB2 catalog. Processing can continue without the information.

User response: Check the spelling of the name. If it is correct, the object may have been dropped.

BMC80402E  OBJECT NOT FOUND - objectName (owner) NOT IN DB2 CATALOG

Explanation: List Generation Services was called with an object name that was not found in the DB2 catalog. Processing cannot continue.

User response: Check the spelling of the name. If it is correct, the object may have been dropped.

BMC80403W  NO JCL GENERATED FOR objectName - REASON: reason

Explanation: No JCL will be generated for the named object for the reason given. The product continues processing.

User response: No action is required unless you want to generate JCL for the named object. If you want to generate the JCL you must take appropriate action and run the job again.

BMC80404E  INVALID VSAM CLUSTER - CANNOT ALTER VCAT NAME FROM name

Explanation: The product found an invalid VCAT name. The expected name is shown in the message.

User response: When you specify a new VSAM cluster, use the same VCAT name as the old VSAM cluster name.

BMC80405E  REQUIRES PACLOG - COMPRESS YES INVALID FOR ARMBARC

Explanation: COMPRESS YES can only be selected if PACLOG has been selected as the restore program.

User response: Use COMPRESS NO, or change the program to PACLOG and then select COMPRESS YES.

BMC80406E  SELECT ONE GROUP ONLY ONE ABARS GROUP MAY BE SELECTED

Explanation: A RECOVERY MANAGER group can contain only one ABARS aggregate group. Processing will not continue until only one group is chosen.

User response: Redefine the RECOVERY MANAGER group so that it contains only one ABARS group.
BMC80407E  **SELECTION DS ERRORDSN= dataSetName**  
*Explanation:* An error was detected in the named ABARS selection data set.  
*User response:* See subsequent messages for more detail.

BMC80408E  **SELECTION DS SYNTAX ERROR error**  
*Explanation:* The selection data set named in preceding messages contains the syntax error noted in the message. Processing cannot continue until the syntax error is corrected. See the *DFSMShsm Storage Administration Guide* for more detail on the selection data set syntax.  
*User response:* Correct the syntax error.

BMC80409E  **NO JCL GENERATED**  
*Explanation:* No JCL was generated.  
*User response:* See the previous messages for more detail.

BMC80410E  **NO ABARS BACKUP ANALYSIS DONE FOR DSN= dataSetName**  
*Explanation:* RECOVERY MANAGER was unable to perform a backup analysis for the named data set.  
*User response:* Contact BMC Customer Support for RECOVERY MANAGER.

BMC80411  **text1 TAPE UNIT REQUIRED text2**  
*Explanation:* The unit specified must be a tape unit of the following type:  
- 3400  
- 3480  
- 3480X  
- 3490  
- 3590  
*User response:* If a disk unit is specified, then 80411E is issued and you must re-specify a valid tape unit. If an unrecognized unit is specified, then 80411W is issued and you must ensure that the value specified has been defined to ABARS via the SETSYS USERUNITTABLE command. Processing can continue.

BMC80412E  **action FAILED - RECORD TO BE PROCESSED NOT FOUND**  
*Explanation:* The product attempted to update or delete a transaction record that did not exist in the repository.  
*User response:* Recheck the ARMBTRR syntax and verify that the identified transaction is the correct one.
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<th>Explanation</th>
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<tbody>
<tr>
<td>BMC80413E</td>
<td>NO STATS FOUND - TRANSACTION = objectName</td>
<td>The product could not find any analysis statistics for the selected transaction. The product cannot proceed.</td>
<td>Ensure that the UNDO statistics have been generated for the transaction and then try again.</td>
</tr>
<tr>
<td>BMC80414W</td>
<td>CONTINUING DESPITE PREVIOUS ERRORS</td>
<td>An error has been detected but The product has determined that it can continue processing.</td>
<td>No action is required but you should examine previous error messages.</td>
</tr>
<tr>
<td>BMC80415E</td>
<td>FILTER IS BLANK - FILTER MUST BE SPECIFIED</td>
<td>A filter must be specified</td>
<td>Fill in the filter values.</td>
</tr>
<tr>
<td>BMC80416E</td>
<td>INVALID FOR ABARS GRP CANNOT CONTAIN NON-ABARS GROUP PATTERNS</td>
<td>An application group can contain only one ABARS aggregate group and cannot be mixed with non-ABARS group definitions.</td>
<td>Check your group definition.</td>
</tr>
<tr>
<td>BMC80417W</td>
<td>NO COMMAND FOUND</td>
<td>You have included a //SYSIN in the JCL but no command.</td>
<td>Specify a command in the JCL.</td>
</tr>
<tr>
<td>BMC80418E</td>
<td>NO MATCHES FOUND FOR object AND name</td>
<td>No objects were found matching the request.</td>
<td>Verify that the objects exist and that the name was specified correctly.</td>
</tr>
<tr>
<td>BMC80419E</td>
<td>n LRECL IS NOT VALID LRECL IS n MUST BE m</td>
<td>The LRECL of the data set is not valid.</td>
<td>Change the LRECL to the value shown.</td>
</tr>
<tr>
<td>BMC80420E</td>
<td>IDCAMS INPUT ERROR RC = returnCode</td>
<td>A nonzero return code was received while building IDCAMS control statements. This is generally an internal program error.</td>
<td>Contact BMC Customer Support for the product.</td>
</tr>
</tbody>
</table>
BMC80421E  NO OUTPUT FROM IDCAMS - DATA SET INFORMATION NOT FOUND

Explanation: The output buffer was empty following an IDCAMS request. This is generally an internal program error.

User response: Contact BMC Customer Support for the product.

BMC80422E  IDCAMS ERROR RC = returnCode

Explanation: A nonzero return code was received after invoking IDCAMS.

User response: Review related messages for the cause of the problem. Then take appropriate action to rectify the problem.

BMC80423E  messageText

Explanation: The message shown was issued by IDCAMS.

User response: Review any accompanying messages. Refer to the MVS System Messages manual for further information about IDCAMS error messages.

BMC80424E  NO ICF DATA FOR dataSetName

Explanation: The product was unable to retrieve information from the ICF catalog for the named data set. The product cannot continue processing.

User response: If the message is received when running the ARMBSRR program, verify that the named data set exists and is not archived.

If the message is received when you are using the product online interface and it is not accompanied by an error message, no action is required.

BMC80424W  NO ICF DATA FOR dataSetName

Explanation: The product was unable to retrieve information from the ICF catalog for the named data set. Processing continues without the information.

User response: If the message is received when running the ARMBSRR program, verify that the named data set exists and is not archived.

If the message is received when you are using the product online interface and it is not accompanied by an error message, no action is required.

BMC80425E  GROUP NOT SAVED REQUESTED PROCESS CANNOT BE DONE

Explanation: The group was not saved. The process cannot be completed.

User response: The group must be saved before the requested process can be completed. Use Save (or Save As) for the group when selecting this process.

BMC80426W  GROUP SAVE ERRORS REQUESTED PROCESS MAY BE INCOMPLETE

Explanation: The group save process encountered errors. The group may not be complete.

User response: Check accompanying messages to diagnose the problem.
<table>
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<th>Code</th>
<th>Message</th>
<th>Explanation</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC80427I</td>
<td><em>nn AR/CTL RECORDS MATCHED CRITERIA FOR GROUP</em> creator.name</td>
<td>The number of AR/CTL records shown matched the group selection criteria.</td>
<td>The message is for information only. No action required.</td>
</tr>
<tr>
<td>BMC80428I</td>
<td><em>nn RECORDS WERE READ FROM THE AR/CTL FILE</em></td>
<td>The number of AR/CTL records shown were read from the AR/CTL file.</td>
<td>The message is for information only. No action required.</td>
</tr>
<tr>
<td>BMC80429I</td>
<td><em>DATASETS MATCHING CRITERIA FOR GROUP</em> groupName</td>
<td>The listed data sets match the search criteria.</td>
<td>No action required.</td>
</tr>
<tr>
<td>BMC80430I</td>
<td><em>message text</em></td>
<td>This is an informational message.</td>
<td>No action required.</td>
</tr>
<tr>
<td>BMC80431I</td>
<td><em>DATA SET</em> dataSetName <em>ADDED TO GROUP</em></td>
<td>The data set named was added to the group.</td>
<td>This message is for information only. No action is required.</td>
</tr>
<tr>
<td>BMC80432I</td>
<td><em>ddStatement WRITTEN TO</em> dataSetName</td>
<td>The DD statement was added to the indicated data set.</td>
<td>This message is for information only. No action is required.</td>
</tr>
<tr>
<td>BMC80433I</td>
<td><em>MEMBER</em> memberName <em>JOB</em> jobName</td>
<td>The generated job was stored in the indicated member.</td>
<td>This message is for information only. No action is required.</td>
</tr>
<tr>
<td>BMC80434E</td>
<td><em>I/O ERROR ON operation FOR</em> ddStatement</td>
<td>JCL generation separates each job into a partitioned data set member. Input is read from SYSUT1 and SYSUT3 and partitioned data set members are written to SYSUT2 and SYSUT4. This message indicates the operation and the DD statement for which an error was detected. Processing stops and a condition code of 8 is returned.</td>
<td>Correct the error and rerun the JCL generation job.</td>
</tr>
<tr>
<td>BMC80435I</td>
<td><em>CATALOG AND DIRECTORY RECOVERY NOT REQUIRED</em></td>
<td>There is no DDL on the subsystem from current to the recovery quiet point. A recovery of the catalog and directory is not needed.</td>
<td>This message is for information only. No action is required.</td>
</tr>
</tbody>
</table>
BMC80436E  CATALOG AND DIRECTORY QUIET POINT NOT FOUND

Explanation: There is no quiet point for the catalog and directory in the time range chosen.

User response: Increase or change the time range to find a quiet point or use option CONDRESTART AUTO.

BMC80437I  SWITCHING OUTPUT TO SINGLE MEMBER memberName DUE TO ARMBSYN

Explanation: JCL that is generated with ARMBSYN synchronization steps (required to control the order of job executions) will not run correctly if submitted individually. If synchronization steps are found, the product ignores the PARM='MEMBER' parameter and writes the generated JCL to a single PDS member that is specified by SYSUT2 and SYSUT4.

User response: This message is for information only. No action is required.

BMC80438E  GROUP (OPEN | DELETE) FAILED FOR GROUP groupName

Explanation: The group failed to open or delete.

User response: See the following BMC80441 message and make changes based on the reason for the failure.

BMC80439E  function API FAILED apiName: text

Explanation: The specified function failed for the API specified with the reason given.

User response: Contact BMC Customer Support.

BMC80440E  SQL CODE RETURNED: sqlCode

Explanation: The product encountered an SQL error.

User response: See previous errors for the request being made, which resulted in this SQLCODE being returned.

BMC80441E  ERROR-API apiName: functionName RC=returnCode

Explanation: This is a generic message that indicates that there is a problem in the API specified in the message.

If the problem generates a reason code, that code is issued following this message in BMC80444.

If the problem is an SQL error, another message is issued with the SQL code.

User response: Response is based on errors and other messages issued.

BMC80442W  WARNING FROM DYNAMIC GROUPING API: ENTRY objectSetEntry UPDATED OUTSIDE API

Explanation: This is a generic message from the dynamic grouping API. On updating or getting the object set entry shown, the checksum value is not
correct. This indicates that the entry may have been inserted or modified by some process other than the use of the API.

User response: Processing will continue, but you will want to determine how this entry was modified outside the API, and decide if this should be allowed in the future.

BMC80443E

**GROUP groupName FAILURE. See PREVIOUS MESSAGE(S).**

*Explanation:* This is a problem with the specified group. A preceding message or messages give information about the problem.

*User response:* Response is based on the reason given in the preceding message or messages.

BMC80444E

**REASON=**text

*Explanation:* This message is issued following BMC80441.

*User response:* Response is based on the reason specified.

BMC80445I

**GROUP NAME groupName FROM REPOSITORY HAS INVALID FORMAT: IGNORED.**

*Explanation:* The merged or single string group name returned from the repository cannot be parsed into the creator.groupName format and is therefore ignored.

*User response:* If you want to use this group, you need to modify the format so that it adheres to the RECOVERY MANAGER format for group names.

BMC80446E

**GROUP SAVE FAILED DEFINITION INCORRECT**

*Explanation:* While saving the group, RECOVERY MANAGER identified a problem in the definitions and stopped saving the group.

*User response:* This situation is most likely an internal problem with group creation. Contact BMC Customer Support.

BMC80449W

**OBJECTSET objectSetName WAS NOT FOUND FOR REPORTING**

*Explanation:* RECOVERY MANAGER did not find an object set matching the request. One possible reason that RECOVERY MANAGER would issue this message is that the object set was deleted while the report was running.

*User response:* Verify that the object set was deleted and no longer exists. If the object set does exist, check to see if it was deleted and recreated by checking the Updated column on the Group List panel (ARMGP001). If neither of the preceding situations is the case, contact BMC Customer Support.

BMC80450E

**REPOSITORY ERROR COLUMN MISSING FROM REPOSITORY TABLE**

*Explanation:* RECOVERY MANAGER returned an error when trying to access a dynamic grouping repository table.

*User response:* Verify that the repository is at the correct level for this version of dynamic grouping.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC80451W</td>
<td><strong>NO OBJECTSET WAS FOUND FOR REPORTING</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> No OBJECTSET was found that matched the request. The specified OBJECTSET might not exist on the DB2 subsystem.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Make sure that the OBJECTSET exists on the DB2 subsystem.</td>
</tr>
<tr>
<td>BMC80462W</td>
<td><strong>NO BACKUPS FOUND FOR GROUP</strong> <em>groupName</em></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The recovery resources report was requested and no backup copies were found for the group and site type.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Confirm that the group name and the site type are correct. Also verify that backup copies are being made for the group.</td>
</tr>
<tr>
<td>BMC80463W</td>
<td><strong>STATUS IS</strong> <em>statusType</em> <strong>FOR OBJECT</strong> <em>objectName</em></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> Batch JCL generation reports the status of each object in a group. The object status for the listed object was not OK, and so recover JCL may not have been produced for this object.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> This message is informational only and requires no action.</td>
</tr>
<tr>
<td>BMC80464I</td>
<td><strong>UNABLE TO ALLOCATE TO VOLUME</strong> <em>volser</em></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> Unable to allocate a data set on volume named.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Ensure user-id has proper authorization.</td>
</tr>
<tr>
<td>BMC80465W</td>
<td><strong>VVDS WAS NOT PROCESSED FOR VOLUME</strong> <em>volser</em></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> A VVDS may not exist on the volume or the VVDS may be empty.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> If the VVDS exists and is not empty, contact BMC product support.</td>
</tr>
<tr>
<td>BMC80466I</td>
<td><strong>GDG BASE DEFINED FROM</strong> <em>template</em> <strong>FOR</strong> <em>backup</em></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> A VVDS may not exist on the volume or the VVDS may be empty.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> If the VVDS exists and is not empty, then contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC80467E</td>
<td><strong>GDG BASE NOT DEFINED FOR</strong> <em>text</em></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The generation data group base was not successfully defined for the reason stated in the message.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Provide the missing information or rerun the job with TRACE turned on.</td>
</tr>
<tr>
<td>BMC80468E</td>
<td><strong>DUE TO</strong> <em>error</em></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> This message is associated with BMC80466I and BMC80467E.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> See associated message.</td>
</tr>
</tbody>
</table>
**BMC80469E**  **INVALID COMBINATION USER DEFINED UTILITIES**

*Explanation:* If user defined utilities are specified, the same utility must be specified for non-VSAM and VSAM.

*User response:* Correct the information at the current cursor position and then press Enter.

**BMC80470E**  **INVALID SELECTION USER DEFINED UTILITY NOT SPECIFIED**

*Explanation:* A user-defined utility must be specified on the General Utility Options Specification panel to use the requested function.

*User response:* Define a utility or select another option.

**BMC80471**  **JCL GENERATION FOR OBJECTSET NOT ALLOWED: text**

*Explanation:* JCL generation for OBJECTSET syntax is not allowed due to one or more of the following reasons:

- You are using an ARMBGEN syntax option.
- The maximum number of concurrent jobs is greater than 1.
- You are redefined VCAT objects.
- You are using RECOVER UNLOADKEYS and RECOVER BUILDINDEX commands.
- You are using a version of RECOVER PLUS that is earlier than version 9.2.00.
- You have specified XUNCHANGED and JCLTYPE DR.

*User response:* To generate JCL for OBJECTSET syntax, make changes based on the reason the message was issued.

**BMC80472E**  **INVALID SELECTION SAVE CANNOT BE DONE AFTER SAVEAS**

*Explanation:* A Save cannot be done after a SaveAs.

*User response:* Exit the group or retry the SaveAs.

**BMC80473W**  **DATA SET dataSetName WAS NOT PROCESSED ON VOLUME volser**

*Explanation:* A data set may have been deleted or moved to another volume during processing of the VTOC.

*User response:* If the data set still exists, verify that it is cataloged.

**BMC80474W**  **VTOC WAS NOT PROCESSED FOR VOLUME volser**

*Explanation:* The product was unable to process the VTOC for the named volume.

*User response:* Contact BMC product support.
BMC80475W  BMC XBM IS NOT AVAILABLE
Explanation: The product cannot access information from XBM that is required to complete the requested action.
User response: Ensure that XBM is installed and operational.

BMC80476I  COMMAND COMPLETE RETURN CODE = returnCode RESPONSE CODE=
responseCode
Explanation: The command completed.
User response: See the BMC80477I message for an explanation of non-zero return code.

BMC80477I  text
Explanation: This message provides additional information about the command being processed.
User response: No action is required.

BMC80478E  ERROR ALLOCATING REPORT FOR BROWSE
Explanation: The product encountered an error while attempting to open a report in browse mode. Some reasons the report was not found could be:

- the report was not requested or not created.
- the report data set has been deleted.
- the report was sent to SYSOUT and not a data set.
- the report is in exclusive use by another process.

User response: Determine the reason that the report is unavailable and correct the problem.

BMC80479E  FILTER IS EMPTY. EXIT AND DEFINE FILTER.
Explanation: The filter could not be saved because the filter definition is empty.
User response: Exit and create a valid filter to save.

BMC80480E  FILTER IN ERROR. FILTER MUST BE REDEFINED
Explanation: An error was encountered while trying to access the filter.
User response: Deleted and redefine the filter.
**BMC80481E**  DUPLICATE FILTER NAME name ALREADY EXISTS Database Date Created: date Database Updated By: userID

*Explanation:* The product attempted to save a new filter, but found a filter with the same name in the repository. The existing filter was created on the date and time shown and was last updated by the user id shown.

*User response:* Change the name of the new filter and save again.

**BMC80482I**  BACKUP DSN &PREFIX IS RESTRICTED

*Explanation:* If the variable &PREFIX is used, the automatic GDG base creation feature in batch revalidation is not available.

*User response:* No action is required. This message is for information only.

**BMC80485I**  objectType objectName

*Explanation:* The change is noted as an addition of a new object or the deletion of an existing object. The object type and two part name are displayed.

*User response:* This message is informational only and requires no action.

**BMC80486I**  FILTER SAVED THE FILTER WAS SAVED SUCCESSFULLY

*Explanation:* The filter has been saved in the repository successfully.

*User response:* This message is informational. No further action is required.

**BMC80487W**  text FOR dataSetName

*Explanation:* A duplicate record was found when processing a DEFINE or no record was found when processing a DELETE or ALTER for the indicated data set. This could be an indication of missing SMF data.

*User response:* Processing continues but the results for that data set should be verified.

**BMC80488E**  FILE I/O ERROR FOR FILE file. ERRNO= num

*Explanation:* The I/O error shown occurred for the named file.

*User response:* Contact BMC Customer Support for the product.

**BMC80489E**  DUPLICATE PARAMETER parameter

*Explanation:* The field at the cursor position is a duplicate.

*User response:* Correct the information at the current cursor position and then press Enter.

**BMC80490E**  DUPLICATE ENTRY

*Explanation:* The field at the cursor position is a duplicate.

*User response:* Correct the information at the current cursor position and then press Enter.
BMC80491E  NOT VALID FOR ONLINE LISTING BY CATALOG MUST BE DONE IN BATCH
Explanation: Online LISTCAT by CATALOG is not allowed due to the potential of long response times.
User response: Perform the LISTCAT in batch.

BMC80492E  DATASET NOT VALID dataSetName
Explanation: The data set at the cursor could not be located or is not the correct type of data set.
User response: Ensure the data set exists and is of the correct type.

BMC80493I  MINREPVR INVALID DEFAULTING TO value
Explanation: The MINREPVR option in the Control Information is not valid. The product used the value shown as a default.
User response: This message is for information only. However you may want to correct the value entered at the Oldest RMGR version prompt in the product's Subsystem Information in the Control Information.

BMC80494I  NO C.D.R. POINT TO ESTABLISH
Explanation: No coordinated disaster recovery point with NULL RBA was found in the table.
User response: Verify that the process to insert a coordinated disaster recovery point has been performed.

BMC80495E  CANNOT MODIFY GROUP groupName GROUP
Explanation: RECOVERY MANAGER cannot modify, save, or delete the group because the group name matches the Subsystem Options Profile group name.

Options are stored in the repository associated with a group name. Subsystem options are associated with the group name, and you are attempting to perform an invalid action with that group name.

User response: Change your group name so that it no longer matches the Subsystem Options Profile group name.

BMC80496E  OPTIONS INIT FAILED. error
Explanation: An error occurred when XBM attempted to register a backup copy with RECOVERY MANAGER.
User response: Verify that the RECOVERY MANAGER MRM$OPTS file is allocated correctly to the job. Correct any errors found and resubmit the job.

BMC80497I  GROUP creator.name
Explanation: This is an informational message, displayed when Print Hits is selected for SMF scan.
User response: The message is for information only. No action required.
**BMC80498E**  
**CANNOT MODIFY OPTIONS creator.name NOT AUTHORIZED**  
*Explanation:* Attempting to save the Utility Options, but none of the user's authorization IDs matched the group's creator or any IDs granted access to the Utility Options.  
*User response:* Obtain proper authorization from an authorized user. The creator or any authorized ID may grant access to other users or to PUBLIC.

**BMC80499E**  
**NOT AUTHORIZED TO OPEN OPTIONS creator.name**  
*Explanation:* Attempting to open the utility options, but none of the user's authorization IDs had SYSADM authority or matched the option's creator or any IDs granted access to the options.  
*User response:* Obtain proper authorization from an authorized user. The options creator or any authorized ID may grant access to other users or to PUBLIC.

**Messages BMC80500 through BMC80599**

This group includes messages for the RECOVERY MANAGER for DB2 product.

**BMC80500E**  
**NOT AUTHORIZED TO OPEN GROUP creator.name**  
*Explanation:* RECOVERY MANAGER could not open the group because none of your authorization IDs has SYSADM or System DBADM (DB2 Version 10 or later) authority or matched the group creator or other IDs granting access to the group.  
*User response:* Obtain proper authorization from an authorized user. The group creator or any authorized ID may grant access to the group to other users or to PUBLIC.

**BMC80501E**  
**GROUP NOT FOUND - NAME: creator.name**  
*Explanation:* The product attempted to open the named group, but could not find it in the repository.  
*User response:* Check the spelling or use wildcard characters in the group name you specified in the Group List panel.

**BMC80502E**  
**NO OBJECTS IN GROUP creator.name**  
*Explanation:* The product attempted to open the group, but no objects were found for it in the repository. This is an unexpected condition.  
*User response:* Delete the group.
BMC80503I GROUP UPDATED - THE GROUP WAS UPDATED SUCCESSFULLY

Explanation: The group has been updated with the changes noted in preceding messages.

User response: This message is for information only. No action is required.

BMC80504E NO CHANGES MADE - GROUP UPDATE FAILED

Explanation: An unsuccessful attempt was made to update the group with the changes noted in preceding messages. The cause of the error is documented in messages issued before this one.

User response: This is an unexpected condition. Correct the error, and attempt to update the group again.

BMC80505E OPTION NOT ALLOWED AS METHOD FOR ADDING OBJECTS

Explanation: You cannot use the selected option to add objects to an existing group.

User response: Select a valid option.

BMC80506E OPTIONS NOT FOUND NAME: creator.name

Explanation: Attempting to open the options, but they were not found in the repository.

User response: Check the spelling or use wild card characters in the name.

BMC80507E NOT VALID FOR TEMPLATE

Explanation: The action is not available for the option template. The template is not stored in the repository. It is available to use to build a new set of options.

User response: Make another selection.

BMC80508I MISSING LOG(S) FOR LRSN limit1 TO limit2 FOR MEMBER member

Explanation: In a DB2 data sharing group, the product could not find log records between the limits shown for the named data sharing group member.

User response: This message is for information only. No action is required.

BMC80509I MISSING LOG(S) FOR LOGRANGE limit1 TO limit 2

Explanation: The product could not find any log records between the limits shown.

User response: This message is for information only. No action is required.

BMC80510I objectName DSNUM dsNum

Explanation: When performing a revalidation, the product detected a problem with the named object. The problem is specified in the accompanying BMC messages (BMC80511 through BMC80519).

User response: Examine the accompanying messages and determine whether any action is required.
<table>
<thead>
<tr>
<th>Message ID</th>
<th>Description</th>
</tr>
</thead>
</table>
| BMC80511I | **OBJECT(S) NOT DEFINED TO DB2**  
*Explanation:* When performing a revalidation, the product found that the objects named in message BMC80510 were not defined to DB2.  
*User response:* See message BMC80510. |
| BMC80512I | **OBJECT(S) WITH INVALID PARTITION NUMBER**  
*Explanation:* When performing a revalidation, the product found that the objects named in message BMC80510 had invalid partition numbers.  
*User response:* See message BMC80510. |
| BMC80513I | **CATALOG OR DIRECTORY OBJECT(S)**  
*Explanation:* When performing a revalidation, the product found that the objects named in message BMC80510 were DB2 catalog or directory objects.  
*User response:* See message BMC80510. |
| BMC80514I | **SHARED READ ONLY OBJECT(S) OWNED BY OTHER SUBSYSTEM**  
*Explanation:* When performing a revalidation, the product found that the objects named in message BMC80510 were read-only objects owned by another DB2 subsystem.  
*User response:* See message BMC80510. |
| BMC80515I | **NONCLUSTERING INDEX(ES) REQUIRE DSNUM ALL RECOVERY**  
*Explanation:* When performing a revalidation, the product found that the objects named in message BMC80510 were nonclustering indexes. The product will recover these indexes in a DSNUM ALL recovery.  
*User response:* See message BMC80510. |
| BMC80516I | **OBJECT(S) WITH INVALID DATA SET NUMBER**  
*Explanation:* When performing a revalidation, the product found that the objects named in message BMC80510 had invalid data set numbers.  
*User response:* See message BMC80510. |
| BMC80517I | **NO ADEQUATE BACKUP REGISTERED FOR OBJECT(S)**  
*Explanation:* When performing a revalidation, the product found that the table spaces named in message BMC80510 had no adequate entry in SYSCOPY.  
*User response:* See message BMC80510. |
| BMC80518I | **MISSING RESOURCE(S) FROM MVS CATALOG**  
*Explanation:* When performing a revalidation, the product found that the resources named in message BMC80510 were missing from the MVS catalog.  
*User response:* See message BMC80510. |
BMC80519I  DATA SET LEVEL RECOVERY OR RECOVER PLUS REQUIRED FOR OBJECT(S)
Explanation: When performing a revalidation, the product found that the table spaces named in message BMC80510 were copied by partition or data set and so cannot be recovered by DSNUTILB.
User response: See message BMC80510.

BMC80520I  OBJECT(S) WITH LOG RANGES NOT COVERED BY AVAILABLE LOG(S)
Explanation: The product could find no log records for one or more objects.
User response: This message is for information only. No action is required.

BMC80521I  messageText
Explanation: Messages BMC80521I through BMC80534I and BMC80536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- creator.name is the name of an application group.

User response: If more information is needed about the reports, see the RECOVERY MANAGER for DB2 User Guide.

BMC80522I  messageText
Explanation: Messages BMC80521I through BMC80534I and BMC80536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- creator.name is the name of an application group.

User response: If more information is needed about the reports, see the RECOVERY MANAGER for DB2 User Guide.

BMC80523I  messageText
Explanation: Messages BMC80521I through BMC80534I and BMC80536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- creator.name is the name of an application group.

User response: If more information is needed about the reports, see the RECOVERY MANAGER for DB2 User Guide.
BMC80524  

**messageText**  

*Explanation:* Messages BMC80521I through BMC80534I and BMC80536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- *creator.name* is the name of an application group.

*User response:* If more information is needed about the reports, see the RECOVERY MANAGER for DB2 User Guide.

BMC80525  

**messageText**  

*Explanation:* Messages BMC80521I through BMC80534I and BMC80536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- *creator.name* is the name of an application group.

*User response:* If more information is needed about the reports, see the RECOVERY MANAGER for DB2 User Guide.

BMC80526  

**messageText**  

*Explanation:* Messages BMC80521I through BMC80534I and BMC80536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- *creator.name* is the name of an application group.

*User response:* If more information is needed about the reports, see the RECOVERY MANAGER for DB2 User Guide.

BMC80527  

**messageText**  

*Explanation:* Messages BMC80521I through BMC80534I and BMC80536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- *creator.name* is the name of an application group.

*User response:* If more information is needed about the reports, see the RECOVERY MANAGER for DB2 User Guide.
Explanation: Messages BMC80521I through BMC80534I and BMC80536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

■ site type has a value of either LOCAL or RECOVERY.

■ creator.name is the name of an application group.

User response: If more information is needed about the reports, see the RECOVERY MANAGER for DB2 User Guide.

Explanation: Messages BMC80521I through BMC80534I and BMC80536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

■ site type has a value of either LOCAL or RECOVERY.

■ creator.name is the name of an application group.

User response: If more information is needed about the reports, see the RECOVERY MANAGER for DB2 User Guide.

Explanation: Messages BMC80521I through BMC80534I and BMC80536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

■ site type has a value of either LOCAL or RECOVERY.

■ creator.name is the name of an application group.

User response: If more information is needed about the reports, see the RECOVERY MANAGER for DB2 User Guide.

Explanation: Messages BMC80521I through BMC80534I and BMC80536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

■ site type has a value of either LOCAL or RECOVERY.

■ creator.name is the name of an application group.

User response: If more information is needed about the reports, see the RECOVERY MANAGER for DB2 User Guide.
When migrating repository information, BMC80531 indicates whether groups are eligible for migration or whether they have been migrated.

*User response:* If more information is needed about the reports, see the *RECOVERY MANAGER for DB2 User Guide*.

**BMC80532**  
**messageText**

*Explanation:* Messages BMC80521I through BMC80534I and BMC80536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- *creator.name* is the name of an application group.

*User response:* If more information is needed about the reports, see the *RECOVERY MANAGER for DB2 User Guide*.

**BMC80533**  
**messageText**

*Explanation:* Messages BMC80521I through BMC80534I and BMC80536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- *creator.name* is the name of an application group.

*User response:* If more information is needed about the reports, see the *RECOVERY MANAGER for DB2 User Guide*.

**BMC80534**  
**messageText**

*Explanation:* Messages BMC80521I through BMC80534I and BMC80536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- *creator.name* is the name of an application group.

*User response:* If more information is needed about the reports, see the *RECOVERY MANAGER for DB2 User Guide*.

**BMC80535E**  
**DYNAMIC BIND FAILED**

*Explanation:* The dynamic bind process has failed. A row in SYSIBM.SYSTABLES may be left with invalid values for DBID and OBID. This may cause failures in the install of other BMC products that share the table. The SPRMCTU bit in DSNZPARM may be on which allows users with the correct
DB2 authorization to update any catalog tables and columns. The messages that follow are provided as diagnostic information.

User response: Collect all output and contact BMC Customer Support immediately.

**BMC80536I**  
*messageText*  
*Explanation:* Messages BMC80521I through BMC80534I and BMC80536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- *creator.name* is the name of an application group.

User response: If more information is needed about the reports, see the RECOVERY MANAGER for DB2 User Guide.

**BMC80537E**  
**GROUP NOT SAVED REQUESTED PROCESS CANNOT BE DONE**  
*Explanation:* The group must be saved before the requested process can be performed.

User response: Use Save (or Save As) for the group when selecting this process.

**BMC80538I**  
**RELATED OBJECT - NOT RECOVERED - object INSTANCE instance**  
*Explanation:* An object related to the object shown in the message could not be recovered. The instance value of the object is displayed only when running on DB2 Version 9 or later and is not valid with compatibility mode.

User response: If you want to recover related objects, rebuild the group to include those objects.

**BMC80539W**  
**status PRECLUDES action - object INSTANCE instance**  
*Explanation:* The indicated object could not be processed. The action token in the message specifies whether the product was copying or recovering the object. The instance value of the object is displayed only when running on DB2 Version 9 or later and is not valid with compatibility mode.

- If the action RECOVERING is specified, then the object shown in the message could not be recovered to the selected recovery point because its status was other than OK. The message has a severity code of W if the return code specified by UNRCVERR is greater than 4 but less than 7.
- If the action COPYING is specified, then the object shown in the message could not be copied because of the status indicated in the message.

User response: See the RECOVERY MANAGER for DB2 User Guide for information about object conditions that can prevent backup or recovery and how to respond to them.
BMC80539E  status PRECLUDES action - object INSTANCE instance

Explanation: The indicated object could not be processed. The action token in the message specifies whether the product was copying or recovering the object. The instance value of the object is displayed only when running on DB2 Version 9 or later and is not valid with compatibility mode.

- If the action RECOVERING is specified, then the object shown in the message could not be recovered to the selected recovery point because its status was other than OK. The message has a severity code of E if the return code specified by UNRCVERR is greater than 7.

- If the action COPYING is specified, then the object shown in the message could not be copied because of the status indicated in the message.

User response: See the RECOVERY MANAGER for DB2 User Guide for information about object conditions that can prevent backup or recovery and how to respond to them.

BMC80539I  status PRECLUDES action - object INSTANCE instance

Explanation: The indicated object could not be processed. The action token in the message specifies whether the product was copying or recovering the object. The instance value of the object is displayed only when running on DB2 Version 9 or later and is not valid with compatibility mode.

- If the action RECOVERING is specified, then the object shown in the message could not be recovered to the selected recovery point because its status was other than OK. The message has a severity code of I if the return code specified by UNRCVERR is less than 4.

- If the action COPYING is specified, then the object shown in the message could not be copied because of the status indicated in the message.

User response: See the RECOVERY MANAGER for DB2 User Guide for information about object conditions that can prevent backup or recovery and how to respond to them.

BMC80540I  GROUP SAVED - THE GROUP WAS SAVED SUCCESSFULLY

Explanation: The current group has been successfully saved to the repository.

User response: This message is for information only. No action is required.

BMC80541I  NO CHANGES MADE - THE GROUP WAS NOT SAVED

Explanation: The current group was not saved in the repository because no changes to group were detected.

User response: This message is for information only. No action is required.
BMC80542I  GROUP DELETED - THE GROUP WAS DELETED SUCCESSFULLY
Explanation: The current group has been successfully deleted from the repository.
User response: This message is for information only. No action is required.

BMC80543I  GROUP DELETED - THE GROUP WAS DELETED SUCCESSFULLY
Explanation: The current group had not been saved in the repository. It has been deleted from memory.
User response: This message is for information only. No action is required.

BMC80544I  PERFORMING REVALIDATION FOR GROUP creator.name
Explanation: Batch group revalidation has been invoked for the group. Any changes to the object list will be noted.
User response: This message is for information only. No action is required.

BMC80545I  NO DIFFERENCES FOUND - THE GROUP HAS NOT CHANGED
Explanation: The current group population was revalidated against the criteria saved in the repository. No changes were detected between the current group population and the results of generating a new list from the stored criteria.
User response: This message is for information only. No action is required.

BMC80546I  DIFFERENCES DETECTED DURING REVALIDATION
Explanation: The current group population was revalidated against the criteria saved in the repository. Changes were detected between the current group population and the results of generating a new list from the stored criteria.
User response: This message is for information only. However, you should consider revalidating the group and applying the changes.

BMC80547I  objectType objectName DSNUM dsNum
Explanation: The change is noted as an addition of a new object or the deletion of an existing object. The object type, two part name, and data set number are displayed.
User response: This message is for information only. No action is required.

BMC80548I  objectName
Explanation: The change is noted as an addition of a new object or the deletion of an existing object.
User response: This message is for information only. No action is required.

BMC80549E  INVALID CREATOR NAME creator.name - NOT SAVED
Explanation: The group creator name must be one of the user's DB2 authorization IDs, or PUBLIC unless the user has SYSADM authority, or the group is created with PUBLIC as the creator. The product is attempting to save
a new group, but none of the user's authorization IDs has SYSADM authority, matched the group's creator or PUBLIC.

The secondary id list may not be available if the program ARMAUTH is not APF-authorized or in an authorized load library.

User response: Check with your site's installation personnel. You can use the control information to switch your DB2 primary ID to one of your secondary authorization IDs. This can be done without APF authorization.

**BMC80550E**

**CANNOT MODIFY GROUP creator.name - NO AUTHORIZED**

*Explanation:* The product attempted to save changes to an existing group but either the user's DB2 authorization IDs did not match the creator name of the group (or did not have SYSADM authority) or the group was not a PUBLIC group. The group creator or any authorized ID may grant access to other users or to PUBLIC. The user's authorization may have been revoked since the time the group was opened.

*User response:* Check with your site's installation personnel. You can use the product's control information to switch your DB2 primary ID to one of your secondary authorization IDs. This can be done without APF authorization.

**BMC80551E**

**CANNOT MODIFY GROUP creator.name TIMESTAMP MISMATCHCurrent User's Timestamp: timeStamp1 Database Timestamp: timeStamp2 Database Updated By: userID**

*Explanation:* The product attempted to save the current group, but the group has been updated by another user since the current user opened it.

*User response:* Open the group again to view the current status. Make modifications again if still required. The user's authorization may have been revoked since the time the group was opened.

**BMC80552E**

**DUPLICATE GROUP NAME - creator.name ALREADY EXISTS Database Date Created: date/time Database Updated By: userID**

*Explanation:* The product attempted to save a new group, but a group with the same name was found in the repository. The existing group was created on the date and time shown and was last updated by the user ID shown.

*User response:* Change your group name and save the group again.

**BMC80553I**

**GROUP DELETED - THE GROUP WAS DELETED**

*Explanation:* The current group was deleted from the repository. No further processing on the group will be allowed.

*User response:* This message is for information only. No action is required.
BMC80554I  CDR POINT ESTABLISHED AT TIME time RBA/LRSN rba/lrsn
Explanation: A coordinated disaster recovery point has been established at the
time and RBA or LRSN shown. An RBA is selected if the system is non-data
sharing. An LRSN is selected if the system is data sharing.
User response: This message is for information only. No action is required.

BMC80555E  UNABLE TO ESTABLISH C.D.R. POINT point
Explanation: The coordinated disaster point shown could not be resolved from
the log data available.
User response: This is probably an internal error. Contact BMC Customer
Support for the product.

BMC80556I  UTILITY OPTIONS SAVED. THE OPTIONS WERE SAVED SUCCESSFULLY
Explanation: The utility options have been saved in the repository successfully.
User response: This message is informational. No further action is required.

BMC80557E  DUPLICATE OPTIONS NAME creator.name ALREADY EXISTS
Explanation: Attempting to save a new options set, but an options set with the
same name was found in the repository. The existing options set was created
on the date and time shown and was last updated by the user ID shown.

- Database Date Created: date/time
- Database Updated By: userid

User response: Change your options set name and save again.

BMC80558E  CANNOT MODIFY OPTIONS creator.name TIMESTAMP MISMATCH
Explanation: Attempting to save the options, but the options have been
updated by another user since the current user opened it.

Current User's Time Stamp: timestamp

Database Time Stamp: timestamp

Database Updated By: userID

User response: Open the options again to view current status. Make
modifications again if still required.

BMC80559E  NOT AUTHORIZED TO UPDATE SUBSYSTEM DEFAULT RECOVERY
OPTIONS
Explanation: You have attempted to save changes to the product's subsystem
default recovery options, but you are not authorized. You must have one of the
following authorizations:
- installation SYSADM
- SYSADM
- DBADM authority on the product's repository database

User response: You may continue using the options for this session. Contact your DB2 system administrator for authorization.

**BMC80560E**  INVALID PARAMETER PASSED TO ARMAUTH, RC = returnCode
*Explanation:* An internal error occurred.
*User response:* Contact BMC Customer Support.

**BMC80561E**  SECURITY CHECK FAILED INCONSISTENCY FOUND
*Explanation:* The product CPU security check failed.
*User response:* Contact your BMC sales representative.

**BMC80562E**  SECURITY CHECK FAILED RC = returnCode
*Explanation:* The product security check failed. This failure can occur when the trial period has expired, when you run the product on an unauthorized CPU, or when you access the wrong authorization module.
*User response:* Check that you have a valid authorization module in your load library concatenation. Contact your BMC sales representative if your trial period has expired.

**BMC80563W**  REFERENCE DELETED FOR GROUP creator.name
*Explanation:* The utility options deleted were referenced by the group shown.
*User response:* The message is for information. You may want to select another set of utility options for that group.

**BMC80564E**  PROGRAM OR LIBRARY NOT APF AUTHORIZED, UNABLE TO CONTINUE
*Explanation:* The executing program found that it is not APF authorized. Either the program is in an unauthorized library or the ARMAUTH program has not been added to the AUTHPGM NAMES section of member IKJTSOxx in SYS1.PARMLIB. The authorization is required, so the program cannot continue.
*User response:* Contact your systems programmer to authorize the library or move the program to an authorized library. All libraries in the STEPLIB or JOBLIB concatenation must be authorized.

**BMC80565I**  UTILITY OPTIONS DELETED. THE OPTIONS WERE DELETED SUCCESSFULLY
*Explanation:* The utility options have been deleted from the repository successfully.
*User response:* This message is informational. No further action is required.
BMC80566E INVALID CREATOR NAME creator.name NOT SAVED

*Explanation:* The new group could not be saved because your authorization ID does not match the group’s creator name. The group creator name must be either PUBLIC or one of your authorization IDs (either the primary or any of your associated group IDs).

*User response:* Use a different creator name for the group. Check into the security implementation if you were trying to use one of your IDs and the product is not recognizing it.

BMC80567E INVALID CREATOR NAME creator.name NOT SAVED

*Explanation:* The new Utility Options could not be saved because your authorization ID does not match the group’s creator name. The group creator name must be PUBLIC or one of your authorization IDs (either the primary or any of your associated group IDs).

*User response:* Use a different creator name for the Utility Options. Check into the security implementation if you were trying to use one of your IDs and the product is not recognizing it.

BMC80568E INVALID PREFIX FOR COPY copyNumber, prefix MATCHES ARCHIVE PREFIX

*Explanation:* The new prefix specified for the listed archive copy matches the existing prefix for that archive. Duplicate data set names are not allowed.

*User response:* Change the prefix you specified and run the job again.

BMC80569I NO plans/packages FOUND

*Explanation:* The product could not find any plans and/or packages to list for the selected group or object.

*User response:* Check that you selected the correct group or object. Otherwise, this message is for information only and no action is required.

BMC80570I COMMAND COMPLETE RC = returnCode

*Explanation:* The command completed with the specified return code. If the return code is zero, the command completed with no warnings or errors. If the return code is not zero, check previous messages.

*User response:* Check other messages if the return code is not zero. Otherwise, this message is for information only, and no action is required.

BMC80571I PROGRAM COMPLETE RC = returnCode

*Explanation:* The program completed with the specified return code. If the return code is zero, the command completed with no warnings or errors. If the return code is not zero, check previous messages.

*User response:* Check other messages if the return code is not zero. Otherwise, this message is for information only and no action is required.
BMC80572I VOLSER DEVTYPETRACKS USED
Explanation: No user explanation is required.
User response: Contact BMC Customer Support for RECOVERY MANAGER.

BMC80573E TORESTARTRBA SPECIFIED BUT NOT FOUND IN HISTORY FILE.
Explanation: The input specified TORESTARTRBA but no restart RBA was found in the history file.
User response: Check for other warning messages and that ARMBSRR was run before the execution of ARMBGEN.

BMC80574W ONLY SET COMMAND(S) FOUND IN INPUT
Explanation: The input did not contain any command other than a SET command.
User response: Check the control cards in ARMIN.

BMC80575E UNTERMINATED COMMAND
Explanation: A command in the ARMIN statement has not been terminated by a semicolon. It was not processed.
User response: Correct the syntax and submit the job again.

BMC80576E ALLOCATION FAILED FOR ddname, ECODE = ecode, ICODE = icode
Explanation: The product attempted to dynamically allocate the named data set but the allocation failed. Additional messages are printed to the job log.
User response: Check the additional messages. For an explanation of the ecode and icode values, refer to the IBM authorized assembler services documentation.

BMC80577E NO ACTIONS SPECIFIED
Explanation: No valid command was found in the input stream or all actions were excluded.
User response: Correct the syntax and submit the job again.

BMC80578E TOKEN token REPEATED OR OUT OF SEQUENCE
Explanation: While parsing the command, the token shown was encountered twice or before a required prerequisite token.
User response: Correct the syntax and submit the job again.

BMC80579E INVALID TOKEN COMBINATION token1 AND token2
Explanation: The tokens shown are not valid together.
User response: Correct the syntax and submit the job again.
BMC80580E **INVALID TOKEN** *token1 FOR token2*

*Explanation:* While parsing the command, the first token shown was encountered when the second token shown was expected.

*User response:* Correct the syntax and submit the job again.

BMC80581E **UNRECOGNIZED COMMAND** *commandName*

*Explanation:* The product attempted to parse the command, but the first token was not a recognized command.

*User response:* Correct the syntax and submit the job again.

BMC80582E **MISSING PARAMETER** *parameterName*

*Explanation:* No value was found for the required parameter shown.

*User response:* Add the parameter and submit the job again.

BMC80583E **INVALID PARAMETER** *value FOR parameterName*

*Explanation:* The value shown is invalid for the parameter shown.

*User response:* Modify the parameter value and submit the job again.

BMC80584E **UNABLE TO OPEN** *dataSetName.suffix*

*Explanation:* The product could not open the named data set.

*User response:* If the data set named in this message is an input archive log (an original DB2 archive log) the most likely cause is one of the following:

- The named data set is not cataloged. Ensure that archive log cataloging is enabled for this DB2 subsystem.

- The named data set is old and is no longer available. In this case the suffix number will be much lower than data sets currently being created. To correct the situation, use the LIMIT keyword to limit processing to logs that are available.

- The named data set is current and should be available. To correct the situation, check the job log for further information about the failure. Use the System Resource recovery to recover the named archive log from the corresponding second copy, and then rerun the job.

If the data set is not an input archive log, check the DD statement and the job messages. If necessary, modify the DD card and submit the job again.

BMC80585E **MISSING TOKEN FOR** *commandName*

*Explanation:* The product attempted to parse the command or subcommand shown, but an expected token was not found. The command or subcommand ended before expected tokens were found.

*User response:* Correct the syntax and submit the job again.
**BMC80586E**  
**INVALID VALUE** *value FOR idType*  
*Explanation:* While parsing the command, the invalid value shown was found for the identifier type shown.  
*User response:* Check the identifier rules.

**BMC80587I**  
**PROCESSING VOLUME** *volser FOR GROUP* *creator.name*  
*Explanation:* A group for the volume shown is being created with the name shown.  
*User response:* This message is for information only. No action is required.

**BMC80588I**  
**GROUP NOT CREATED DUE TO NO OBJECTS FOUND**  
*Explanation:* A group was not created because no DB2 objects were found matching the definition criteria.  
*User response:* This message is for information only. No action is required.

**BMC80589I**  
**TABLE SPACE** *database.tableSpace (owner) DNUM dsNumber*  
*Explanation:* The table space was included in or excluded from the group because it matched the definition criteria.  
*User response:* This message is for information only. No action is required.

**BMC80590I**  
**INDEX** *authID.ixName DNUM n*  
*Explanation:* The named index was included in or excluded from the group because it matched the definition criteria.  
*User response:* This message is for information only. No action is required.

**BMC80591I**  
**PROCESSING GROUP** *creator.name*  
*Explanation:* The group shown is being processed.  
*User response:* This message is for information only. No action is required.

**BMC80592E**  
**UNRECOGNIZED TOKEN:** *token*  
*Explanation:* The token shown is not valid for this command syntax.  
*User response:* Correct the syntax and submit the job again.

**BMC80593E**  
**ENDRBA** *endRba IS NOT GREATER THAN STARTRBA startRba*  
*Explanation:* The values shown are not valid for RBARANGE. The end RBA must be greater than the start RBA.  
*User response:* Correct the syntax and submit the job again.
**BMC80594E**  CATALOG FAILED FOR DSNAME *dataSetName*, RC = *returnCode*

*Explanation:* The product attempted to catalog an archive log data set copy to tape but failed. The return code is from SVC 26. Additional messages are printed to the job log.

*User response:* The most likely cause is one of those listed with the message BMC80576E. If there are no messages printed to the job logs, the most likely cause is an internal product error. Make a note of the return code shown in the message and then contact BMC Customer Support for the product.

**BMC80595E**  ARCHIVE LOG COPY *copyNumber* LIST MISSING OR HAS NO ENTRIES

*Explanation:* The product failed to find any archive logs corresponding to the copy number shown.

*User response:* Check that the SYSUT1 DD statement in the JCL shows the correct BSDS. If it is correct, contact BMC Customer Support for the product.

**BMC80596E**  EXTEND RECOVERY POINT AT DR SITE NOT VALID

*Explanation:* The Extend Recovery Point at DR option is not allowed with the following options:

- Initialize Actives
- Hardware mirroring
- Simulate
- JCL Type Local
- Maximum log jobs greater than 1

*User response:* Change to valid options to use the Extend Recovery Point at DR option.

**BMC80597E**  *messageText*

*Explanation:* An SQL error occurred while the product was reading the repository.

*User response:* See previous messages for a possible cause, and then take corrective action where feasible.

**BMC80598**  OBJECT *name* IS IN A BAD STATUS: *status*

*Explanation:* The named object is in the bad status shown. Processing cannot continue.

*User response:* Correct the status of the object, then retry. See the RECOVERY MANAGER for DB2 Reference Manual for more information about object status.
I/O ERROR ON name

Explanation: An I/O error was encountered on the DDNAME or DSNAME shown.

User response: If the named resource is an output resource, run the job again. If the named resource is an input resource, take appropriate steps to recover or replace it and then run the job again.

Messages BMC80600 through BMC80699

This group includes messages for the RECOVERY MANAGER for DB2 product.

BMC80600W NO CURRENT LOG VALUES - UNABLE TO OBTAIN VALUES FROM DB2

Explanation: The product attempted to obtain the current settings for BSDS and log data set installation options from DB2 control blocks, but was unsuccessful. Related messages will follow.

User response: The product will use the information set at installation time for some system resource information. It will be unable to provide defaults for other fields not saved in its installation options. You may be asked to provide system resource information on subsequent panels.

BMC80601E BAD RC FROM YLOGC ecode - UNABLE TO OBTAIN VALUES FROM DB2

Explanation: The product attempted to obtain the current settings for BSDS and log data set installation options from DB2 control blocks, but received a program error condition code shown in the message.

User response: Contact BMC Customer Support for the product.

BMC80602E NOT VALID FOR TAPE - THE FIELD IS ONLY VALID FOR DISK

Explanation: The product detected from current DB2 control block values or from the product's system options that the archive log data sets are on a tape device. The highlighted field only applies to disk data sets.

User response: Change the archive log settings for ARCONTAPE and ARCONTAP2 in the options file if they are not correct.

BMC80603E NOT VALID FOR DISK - THE FIELD IS ONLY VALID FOR TAPE

Explanation: The product detected (from current DB2 control block values or from the product control information) that the archive log data sets are on a disk device. The indicated field applies only to tape data sets.

User response: Change the archive log settings for ARCONTAPE and ARCONTAP2 in the options file if they are not correct.
**BMC80604E**  
**NOT VALID FOR TAPE - DATA SETS CANNOT BE RENAMED**  
*Explanation:* The product detected from the Control Information that the archive log data set is on a tape device. Tape data sets cannot be renamed.  
*User response:* Select Delete to uncatalog the existing tape data sets. Change the setting for archive logs on tape in the Control Information if your archive is not on tape. Change the archive log settings for ARCONTAPE and ARCONTAP2 in the options file if they are not correct.

**BMC80605E**  
**DATA SET NAME NOT UNIQUE MATCHES EXISTING DATA SET NAME**  
*Explanation:* You specified a data set name to rename a DB2 system resource that you are about to recover. However, the name specified either matches the existing name of the resource data set or it matches the new name given for another copy of the resource.  
*User response:* Review the names of your DB2 system resource data sets through the product control information settings or your DB2 ZPARMS for the subsystem.

**BMC80606E**  
**INVALID BLOCK SIZE BLOCK SIZE MUST BE A MULTIPLE OF 4096**  
*Explanation:* You specified a block size that was not a multiple of 4096.  
*User response:* Specify a value from 4096 through 28672 that is a multiple of 4096.

**BMC80607W**  
**ARCHIVE LOG COPY copyNumber IS NOT CATALOGED**  
*Explanation:* The product attempted to process an archive log copy that has not been cataloged. The copy number can be any number from 1 through 4. The product can proceed without the archive log. No JCL will be generated that references the uncataloged archive log.  
*User response:* Check subsequent messages for the archive log data set name. Check subsequent messages to find out what action was taken (or not taken) by the product due to the uncataloged archive log.

**BMC80607E**  
**ARCHIVE LOG COPY copyNumber IS NOT CATALOGED**  
*Explanation:* The product attempted to process an archive log copy that has not been cataloged. The copy number can be any number from 1 through 4. The product cannot proceed.  
*User response:* You should catalog the archive log, and submit the job again. Check subsequent messages for the archive log data set name. Check subsequent messages to find out what action was taken (or not taken) by the product due to the uncataloged archive log.

**BMC80608W**  
**ARCHIVE LOG COPY copyNumber NOT FOUND IN THE file**  
*Explanation:* The product failed to locate an archive log in either the Archive History file or in the BSDS. The copy number can be any number from 1
through 4. The product continues processing without the missing log. No JCL is generated for this log.

User response: Check subsequent messages for the log number, startRba, and endRba of the missing log.

BMC80608E ARCHIVE LOG COPY copyNumber NOT FOUND IN THE file

Explanation: The product failed to locate an archive log in either the Archive History file or in the BSDS. The copy number can be any number from 1 through 4. The product cannot continue.

User response: You should ensure that the missing archive log is recovered and that the archive log history file or BSDS is updated with the archive log name.

BMC80609I ACTIVE LOG ALLOCATION SIZES INCREASED DUE TO INITIALIZE ACTIVES OPTION

Explanation: The INITIALIZE ACTIVES option causes the product to generate JCL to initialize the active logs with the contents of the archive logs. The product calculated that the active logs are not large enough to contain the largest archives and therefore increased the active log sizes.

User response: This message is for information only. No action is required.

BMC80610I LOGNUM=logNumber STARTRBA=startRba ENDRBA=endRba

Explanation: This message gives the log number, start RBA, and end RBA for an archive log reported in a preceding message.

User response: This message is for information only. No action is required.

BMC80611I NO CHANGE LOG INVENTORY STMT GENERATED FOR DSN=dataSetName

Explanation: Due to an error with the named data set (for example it may not be cataloged), no Change Log Inventory statements will be generated to reference the data set. This information refers to an archive log referenced in a preceding message.

User response: See the accompanying messages to determine why the data set is in error.

BMC80612I ARCHIVE LOG DATA SET NAME=dataSetName

Explanation: This information refers to an archive log referenced in a preceding message.

User response: This message is for information only. No action is required.

BMC80613E INVALID UNIT/VOLUME GENERATED AT STEPNUM=stepNumber FOR DSN=dataSetName

Explanation: An invalid unit or volume name has been generated in the output JCL. The invalid values are flagged in the generated output with a 6-query string (??????) at the indicated JCL step number. This error is usually encountered when the named data set is not cataloged and the product is unable to obtain the name of the unit or volume containing the data set. The
product will continue generating the JCL if possible, but the output JCL will not run until the errors are corrected.

User response: You may manually correct the generated JCL, or catalog the data set so that the product can find the unit or volume names, and then generate the JCL again.

**BMC80614**  
ARCHIVE LOG HISTORY FILE ERROR. DSN=*dataSetName*

Explanation: An error occurred when the product attempted to read the named Archive History file. Most of these errors occur due to incorrect editing of the Archive History file (that is, when deleting or adding logs) after the file was last updated by the product.

User response: Run the product's Archive Log Copy program, ARMBARC, again to correctly rebuild the file. If errors persist after the rebuild, contact BMC Customer Support for the product.

**BMC80615E**  
LASTRBA=*lastRba* FROM *dataSetName* NOT FOUND IN file

Explanation: The product failed to find an archive log with the named starting RBA value.

If you specified the LASTRBA parameter on the job invocation and also specified OFFSITE YES, the product searched the Archive History file and failed to find an archive log with the starting RBA value specified on the parameter.

If you specified the LASTRBA parameter on the job invocation and also specified OFFSITE NO, the product searched the BSDS and failed to find the archive log with the starting RBA value specified on the parameter.

If you did not specify the LASTRBA parameter, this message was issued because the product failed to find the starting RBA of the last log in the Archive History file.

User response: If the problem is with the Archive History file, you may need to submit the Archive Log Copy program ARMBARC to create the necessary copies. If the problem is with the LASTRBA parameter, correct the value and submit the job again.

**BMC80616E**  
VCAT ALIAS NAME TRANSLATION ERROR. ALIAS=*alias*

Explanation: The product was not able to successfully translate the named VCAT alias name. JCL generation is terminated.

User response: Ensure that the VCAT specified in the control options is spelled correctly, and then submit the job again.
<table>
<thead>
<tr>
<th>Reason Code</th>
<th>Message Text</th>
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| BMC80617I  | **REASON=reason**  
Explanation: This message provides a more detailed explanation of a previously issued error or warning message. Check the preceding messages.  
User response: This message is for information only. No action is required. |
| BMC80618E  | **THE OFFSITE NO ARCHIVE2 OPTION REQUIRES DUAL ARCHIVE LOGGING**  
Explanation: The OFFSITE NO option is not valid for a single logging DB2 system when the ARCHIVE2 keyword is specified or defaulted.  
User response: You should change the syntax to OFFSITE YES and use the Archive Log Copy program, or run the job on a dual archiving system. If you want to generate JCL referencing the first archive log copy, use OFFSITE NO ARCHIVE1 syntax. |
| BMC80619E  | **OFFSITE ARCHIVE LOGS THAT ARE SPANNED AND UNCATALOGED ARE NOT SUPPORTED**  
Explanation: The disaster recovery job cannot support off-site archive logs that are both uncataloged and spanned. The product cannot generate the appropriate Change Log Inventory NEWLOG statements because the product can not access the starting and ending RBAs of the archive log. Processing will not continue.  
User response: Catalog the archive logs and then run the job again. |
| BMC80620E  | **INVALID OPTION - OFFSITE NO ARCHIVE1 NEEDS CATALOGED ARCHIVES**  
Explanation: The OFFSITE NO ARCHIVE1 option is not valid when the off-site archives will not be cataloged. The OFFSITE NO ARCHIVE1 option should be used in the case where the BSDS at the remote site will mirror the local BSDS--the archives need to be cataloged.  
User response: Change the syntax to OFFSITE YES, or ensure that the archives are cataloged at the remote site. |
| BMC80621W  | **CONTINUING WITHOUT COPY ANALYSIS DUE TO PREVIOUS ERRORS**  
Explanation: The ARMBSRR program was not able to successfully perform copy analysis. It will continue with the JCL generation process, but DDs will not be generated in the recovery JCL and only a single job will be used.  
User response: Check for previous messages to determine the cause of the error. |
| BMC80622W  | **[NO COPIES FOUND FOR | COPY NOT CATALOGED FOR] databaseName.tableSpaceName. CONTINUING WITHOUT COPY ANALYSIS**  
Explanation: ARMBSRR was not able to successfully identify an image copy for the table space shown. The JCL generation process will continue without copy analysis.  
User response: If the space is DBD01, SYSUTILX, SYSDBDXA, or SYSCOPY ensure that you have run ARMBARC or PACLOG since their last image copy in order to capture the copy registration from the DB2 log and register it in the product’s History File. Also, check that the COPYTYPE keyword is used as
needed to identify the needed ICBACKUP type. You can run DB2 REPORT RECOVERY to get a listing of the backup copies registered for the space. Make a backup copy of the space and run ARMBARC if needed.

**BMC80623W**

**NOT CONNECTED TO DB2. CONTINUING WITHOUT COPY ANALYSIS**

*Explanation:* ARMBSRR was not able to successfully identify an image copies for the DB2 catalog because it is not able to connect to DB2. It will continue JCL generation without the information.

*User response:* Ensure that DB2 is available for the next execution of ARMBSRR.

**BMC80624I**

**THE DATE OF THE COPY FOR object IS LOWER THAN OTHER CATALOG COPIES**

*Explanation:* The ARMBSRR program found an image copy for the indicated special space in the History File, but its timestamp is more than 24 hours earlier than that of other catalog and directory spaces. This might be an indication that ARMBARC was not run after the last image copy of the special space.

*User response:* Check the DD for the image copy for the special space if one is generated. If it is not the most recent copy, run ARMBARC and then run ARMBSRR.

**BMC80625E**

**KEYWORD keyword text**

*Explanation:* The keyword specified is invalid for the reason or reasons stated in the additional text of the message.

*User response:* Correct the syntax as indicated and resubmit the program.

**BMC80626E**

**UNABLE TO LOCATE QUIESCED LOG FOR SSID = %s**

*Explanation:* Recovery of a DB2 data sharing group requires the recovery point to be a quiesced archive log with a group scope. ARMBSRR could not locate a quiesced archive log for the subsystem shown.

*User response:* Ensure that you have issued a DB2 ARCHIVE LOG MODE(QUIESCE) command prior to running ARMBSRR. If you cannot use MODE(QUIESCE), consider upgrading DB2.

**BMC80627E**

**LASTRBA IS INVALID FOR DATA SHARING. USE LASTLRSN**

*Explanation:* The LASTRBA parameter was used with ARMBSRR, but is not allowed for a data sharing subsystem.

*User response:* Specify LASTLRSN or remove it and let ARMBSRR locate the last valid recovery point.

**BMC80628E**

**LASTLRSN IS ONLY VALID FOR DATASHARING SYSTEMS**

*Explanation:* The LASTLRSN is only available for data sharing subsystems.

*User response:* Change the parameter to LASTRBA or remove it and let ARMBSRR locate the recovery point.
BMC80629E UNABLE TO UPDATE HISTORY FILE. RC = returnCode, DSN = dataSetName

Explanation: The product was unable to update the named history file. The return code is shown.

User response: If the data set name is not correct, modify the HISTFILE field in the ARM$OPTS member.

BMC80630W INDEXES MAY BE MISSING UNABLE TO OBTAIN VALUES FROM DB2

REASON = reason

Explanation: User defined catalog indexes, if they exist, are not included in the list of objects to be recovered. The reason for the possible omission is listed.

User response: If you must include these indexes, you must correct the error and generate the list again.

BMC80631E UNABLE TO LOCATE CRRPOINT WITHOUT DB2 CONNECTION

Explanation: The CRRPOINT keyword was specified for LASTRBA or LASTLRSN, but ARMBSRR was not able to connect to DB2 so it could not locate the information in its DB2 table.

User response: Start DB2 and submit the job again.

BMC80632E UNABLE TO LOCATE REQUESTED CRRPOINT crrPoint FOR ssid/member

Explanation: The CRRPOINT keyword was specified for LASTRBA or LASTLRSN, but ARMBSRR was not able to locate it in its table for the subsystem or member shown.

User response: You can do a SQL SELECT on the table to view its contents. If you specified a value for CRRPOINT, ensure that it is one in the table or let it default to the last one.

BMC80633I MAXLOGJOBS CHANGED TO n DUE TO MAXIMUM OF 32 JOBS

Explanation: The ARMBSRR program had to decrease the number of maximum log jobs that it could generate per member due to a maximum number of 32 jobs. ARMBSRR will continue processing using the number shown.

User response: This message is for information only. No action is required. However, you may want to change the value of MAXLOGJOBS (the maximum number of jobs per member).

BMC80634E CRRPOINT TIMESTAMP MISMATCH: timeStamp1 AND timeStamp2

Explanation: The CRRPOINT keyword of LASTRBA or LASTLRSN was used, but the requested entry in the DB2 table had timestamps that did not match between members.

User response: You may use SQL SELECT to view the contents of the DB2 table.
**BMC80635E**  
**REQUESTED CRRPOINT FOUND BUT RBA IS NULL. RUN ARMBCRC ON ssid**  
*Explanation:* The CRRPOINT keyword of LASTRBA or LASTLRSN was used, but the requested entry in the DB2 table had a NULL in the RBA column. ARMBCRC was not run or did not complete successfully.  
*User response:* Run ARMBCRC for the subsystem and then resubmit the ARMBSRR job.

**BMC80636I**  
**number GENERATIONS OF gdgBase SEEN**  
*Explanation:* There were the displayed number of generations of the GDG base shown seen in SMF records matching the selection criteria.  
*User response:* No action required.

**BMC80637W**  
**OPTIONS NOT FOUND NAME: creator.name**  
*Explanation:* Attempting to open the options, but they were not found in the repository. The options have been deleted.  
*User response:* Make a new options selection.

**BMC80638I**  
**dataSetName ALLOCATION PRECEDES REFERENCES - NOT ADDED**  
*Explanation:* The data set shown was found in the SMF records and matched the selection criteria. It was not added to the group, however, since an SMF allocation record was found also matching the criteria which occurred before any references to the data set. The interpretation of this condition is that the jobs will allocate the data set as needed.  
*User response:* If you wish to add this data set to the group, you may do so from the on-line product.

**BMC80639E**  
**INVALID OPTION - NOT ALLOWED WITH HARDWARE MIRRORING**  
*Explanation:* The Initialize Active Log Yes option is not valid when the hardware mirroring level is 1 or 2.  
*User response:* Select the Initialize Active Log No option.

**BMC80640E**  
**INVALID OPTION - NOT ALLOWED WITH HARDWARE MIRRORING**  
*Explanation:* The Archive Offsite Logs option is not valid when the hardware mirroring level is 1 or 2.  
*User response:* Deselect Archive Offsite Logs.

**BMC80641**  
**INVALID OPTION - OPTION NOT VALID FOR SITE TYPE**  
*Explanation:* A syntax option is not valid for the specified site type.  
*User response:* Ensure that when the site type is local, only the first archive copy is specified.
BMC80642E  RESTORE ARCHIVE2 NOT VALID WITH OFFSITE NO ARCHIVE2 KEYWORD
Explanation: The combination of OFFSITE NO ARCHIVE2 and RESTORE ARCHIVE2 is invalid. The OFFSITE NO ARCHIVE2 keyword causes ARMBE to rename the logs in the BSDS such that Copy 2 logs become Copy 1 logs. Thus, the RESTORE ARCHIVE2 keyword is invalid because it attempts to restore Copy 2 archive logs that no longer exist in the BSDS.
User response: Use RESTORE ARCHIVE1 instead.

BMC80643I  INITIALIZE ACTIVES IGNORED BECAUSE RESTORE TO DISK OPTION USED
Explanation: The combination of INITIALIZE ACTIVES and RESTORE archive diskUnit is invalid. The product ignores INITIALIZE ACTIVES and continues processing.
User response: No action is required. However, you may want to remove INITIALIZE ACTIVES to avoid the warning message.

BMC80644E  UNABLE TO VERIFY CATALOG SPACES WITHOUT CONNECTION TO DB2
Explanation: The product could not connect to the DB2 subsystem in order to read the catalog to verify the existence of optional table spaces.
User response: Start the DB2 subsystem in order to continue.

BMC80645I  NO TIMESTAMPS TO PROCESS FOR A C.D.R. POINT
Explanation: The product found no timestamps for locating a coordinated disaster recovery point.
User response: Provide the required timestamps and rerun.

BMC80646E  CATONLY OPTION REQUIRES VALID LASTRBA OR LASTLRSN PARM
Explanation: The point in time to recover the catalog and directory to must be specified in the LASTRBA or LASTLRSN parm when the CATONLY option is coded.
User response: Specify a valid RBA or LRSN and rerun the job.

BMC80647I  FORMER C.D.R. POINT WAS ESTABLISHED AT TIME time RBA
Explanation: A coordinated disaster recovery point was already established at the time and RBA shown.
User response: This message is informational. No further action is required.

BMC80648I  THE TIMESTAMP timestamp WAS INSERTED FOR SUBSYSTEM ssid
Explanation: The indicated timestamp was inserted into the CRRDRPT table to be used for recovery.
User response: This message is for information only. No action is required.
BMC80649I  process COMPLETE time
Explanation: The named process completed at the time shown.
User response: This message is for information only. No action is required.

BMC80650I  file CREATED FROM source
Explanation: The named file was created from the named source.
User response: This message is for information only. No action is required.

BMC80651I  ALMLIST1 archiveLog1 PROCESSED
Explanation: The archive log copy 1 data set listed has been processed.
User response: This message can be edited to provide input to subsequent steps.

BMC80652I  ALMLIST2 archiveLog2 PROCESSED
Explanation: The archive log copy 2 data set listed has been processed.
User response: This message can be edited to provide input to subsequent steps.

BMC80653I  copy PROCESSED
Explanation: The archive log copy listed has been processed.
User response: This message is for information only. No action is required.

BMC80654I  ALMXPIRE archiveLog NO LONGER IN ARCHIVE HISTORY
Explanation: The archive log copy listed has been deleted from the history file, because it is no longer in the BSDS.*
User response: This message is informational only. No action is required.

BMC80655I  dbidobid
Explanation: The DBIDOBID shown has previously been filtered from this log copy.
User response: This message is informational only. No action is required.

BMC80656I  RECORD TYPE type RECORDS TOTALING nn BYTES
Explanation: The listed number of records and bytes were found for the record type shown.
User response: This message is informational only. No action is required.

BMC80657E  HISTORY FILE RBA MISMATCH ON ARCHIVE archive
Explanation: The product encountered an unexpected mismatch between the BSDS and the history file.
User response: It is likely that rerunning the job will not encounter the problem again. If it does occur again, contact BMC Customer Support for the product.
**BMC80658I**

**number PERCENT COMPRESSION**

*Explanation:* The compression percentage shown was achieved for this archive log copy.

*User response:* This message is for information only. No action is required.

**BMC80659W**

**COMPRESSION STATISTICS NOT AVAILABLE**

*Explanation:* Compression statistics could not be found for this archive log copy. It is possible that the log copy was not successfully compressed. No data has been lost.

*User response:* Contact BMC Customer Support.

**BMC80662E**

**COMMAND ABENDED: RC=returnCode ABEND CODE=abendCode**

*Explanation:* -TERM UTILITY will be attempted.

*User response:* No action is required.

**BMC80663I**

**dataSetName startTime endTime startRba endRba**

*Explanation:* The data set that is listed for archive log copy 3 has been created. The start and end time and start and end RBA are also listed.

*User response:* This message is for information only. No action is required.

This message can be edited to provide input to subsequent steps. It is identified in the messages member of the control data set as 00663I.

**BMC80664I**

**dataSetName startTime endTime startRba endRba**

*Explanation:* The archive log copy 4 data set listed has been created. The start and end time and start and end RBA are also listed.

*User response:* This message is for information only. No action is required. This message can be edited to provide input to subsequent steps. It is identified in the messages member of the control data set as 00664I.

**BMC80665I**

**DBNAME OBNAME dbid/obid TYP type RECORDS nn1 BYTES nn2**

*Explanation:* The listed number of records and bytes were found for the objects shown below.

*User response:* This message is informational only. No action is required.

**BMC80666I**

**DBNAME OBNAME dbid/obid TYP type RECORDS nn1 BYTES nn2**

*Explanation:* Number of records and bytes were found for the objects shown.

*User response:* This message is informational only. No action is required.
BMC80667E  RMD SOLUTION FUNCTION REQUESTED BUT NOT AUTHORIZED TO RUN SOLUTION  
_**Explanation:**_ You ran a CLIST to customize installation options of components of the Recovery Management Solution for DB2, but RECOVERY MANAGER for DB2 is not recognizing solution authorization.  
_**User response:**_ Contact your BMC sales representative.

BMC80668I  DSNUTILB FUNCTION _functionName_ FAILED IN _text_  
_**Explanation:**_ An unexpected, internal error occurred with the command passed to DSNUTILB.  
_**User response:**_ No action is required.

BMC80669I  XCA RC=_returnCode_  
_**Explanation:**_ BMC Extended Compression Architecture Services ended with the return code shown. Text explanation of the return code is also listed.  
_**User response:**_ This message is informational only. No action is required.

BMC80670E  XCA RC=_returnCode_ _text_  
_**Explanation:**_ BMC’s Extended Compression Architecture service ended with the return code shown. An explanation of the return code is also shown.  
_**User response:**_ If the return code is 0, no action is required. If the return code is greater than 0, contact BMC Customer Support for PACLOG.

BMC80671I  FOR DSN=_dataSetName_  
_**Explanation:**_ The name of the data set with the XCA return code that is given in message BMC80670 is shown.  
_**User response:**_ This message is for information only. No action is required.

BMC80672E  INVALID LOG RECORD SEGMENT LENGTH AT RBA _rba_  
_**Explanation:**_ A log record segment was encountered that contains a length value that is invalid.  
_**User response:**_ Contact BMC Customer Support for the product.

BMC80673E  FOUND RBA _rba_ WHILE LOOKING FOR SPECIFIED CDR POINT  
_**Explanation:**_ The RBA shown was found before the RBA specified in the execute parameter. It is likely that an additional archive log was created after the one containing the specified coordinated disaster recovery point.  
_**User response:**_ Run change log inventory to remove any logs after the one which contains the specified point.

BMC80674I  PROCESSING DB2 SSID _ssid_  
_**Explanation:**_ The product is processing the indicated DB2 subsystem.  
_**User response:**_ No action is required.
BMC80675W  ALL STEPS SUPPRESSED BY ANALYZE ONLY
Explanation:  The ANALYZE ONLY option is valid only when RECOVER PLUS is used and steps for all other recover utilities are suppressed. No JCL is generated if RECOVER PLUS is not used.
User response:  Verify that you are using RECOVER PLUS as the recover utility.

BMC80676E  recoverType REQUESTED BUT NO OBJECTS SPECIFY BMC RECOVER UTILITY
Explanation:  You requested a recovery estimation or simulation, but none of the objects in the group(s) selected specify RECOVER PLUS as the recover utility. RECOVER PLUS is required for ESTIMATE or SIMULATE.
User response:  Specify RECOVER PLUS as the recovery utility for objects in the group or groups.

BMC80677E  SIMULATE REQUESTED BUT UNABLE TO CREATE SIMULATE NAME FROM copy
Explanation:  You requested a recovery simulation, but the product encountered internal error in attempting to create the simulate copy of the BSDS or active log name. The original data set name is shown in the error message.
User response:  Contact BMC Customer Support.

BMC80678E  READING  module LOAD MODULE, KEYWORD keyword RETURNED value - INVALID
Explanation:  While processing the customization installation options, the product encountered a problem with the value of the indicated keyword.
User response:  Verify the value of the keyword that you specified. Contact BMC Customer Support.

BMC80679W  OBJECT object HAS NO VALID IMAGE COPIES IN HISTORY FILE
Explanation:  The product found no valid entries while processing the special space image copies stored in the History File. The product will continue with the recovery process and will attempt to determine which image copy to use by processing the logs. However, if LIMIT LOGS AUTO is in use, the product may process an unusually large number of logs.
User response:  No action is required. Contact BMC Customer Support.

BMC80680W  OBJECT object HAS NO IMAGE COPIES IN HISTORY FILE fileName
Explanation:  While processing the special space image copies stored in the History File, no entries for this object were found. Either no image copies of the special spaces have been taken, or ARMBARC was not run after the last image copy for this object.
User response:  No action is required. Contact BMC Customer Support.
BMC80681I  FOR SUBSYSTEM ssid, JOBS WILL BE ROUTED TO SYSAFF=statement

Explanation:  For data sharing systems, a /*JOBPARM SYSAFF= statement is generated for JES2 and a /*MAIN SYSTEM= statement is generated for JES3.

User response:  For JES3 systems, you must specify the JES3NAME option in the .CNTL options for each DB2 subsystem. For JES2 systems where the JES ID is different from the MVS ID, you must specify the JES2NAME option in the .CNTL options for each DB2 subsystem. (If the JES ID is the same as the MVS ID, you do not need to specify this option). You can update these options using the RMGR online interface.

BMC80682E  WRITE FAILED FOR DATA SET dataSetName, RC = returnCode

Explanation:  An error occurred during a WRITE operation for the named log range data set. The return code is set to the error number.

User response:  A potential cause of this error is an incorrect record format or record length. Please check the RECOVERY MANAGER for DB2 Reference Manual for information on the DCB attributes of the log range file.

BMC80684W  RC = returnCode ATTEMPTING TO ADD IMAGE COPY DATA FOR dataSetName

Explanation:  The product encountered one of the following errors (denoted by the return code) while attempting to incorporate information about the named image copy into the history file:

- 101: A log record segment was encountered which was not long enough to contain sufficient information to update the history file with the image copy data.
- 102: A log record segment was encountered which was too long to fit in the history file (more than ten volumes in the VOLSER list).
- 105: An image copy was taken of an index on a special table space.

User response:  This message is for information only. No action is required.

BMC80685E  SYSTEM OBJECT FOUND IN FILTERTS LIST filterts

Explanation:  While the program was parsing the FILTERTS list shown, a DB2 catalog or directory object was encountered. Such objects are not eligible for filtering.

User response:  Remove any catalog or directory objects from the list.

BMC80686E  TOKEN token HAS INVALID VALUE value

Explanation:  While the program was parsing the command, the invalid value shown was specified for the identifier type shown.

User response:  Check the identifier rules, correct the problem, and submit the job again.
**BMC80687E**  
**ENDRBA endRba IS NOT GREATER THAN STARTRBA startRba**

*Explanation:* The values shown are not valid for RBARANGE. The end RBA must be greater than the start RBA.

*User response:* Check the syntax, correct the RBA in error, and submit the job again.

**BMC80688W**  
**ARC COPY copyNumber NOT IN BSDS:bsds**

*Explanation:* A mismatch between archive log copy 1 and archive log copy 2 was encountered.

*User response:* If you want to process the listed log copy and it still exits, use Change Log Inventory to add it to the BSDS, and then run the job again. If it no longer exists, it must be created/copied from the existing log copy listed before running the job again (the change log inventory is still required).

**BMC80689W**  
**REDO FILE PREVIOUSLY FILTERED - filterType**

*Explanation:* The input archive log copy has already been processed by PACLOG and filtering of the type that is listed has already been done. This run of PACLOG does not request this filtering.

The previous filtering is not undone, so the copies that were created in this run will not contain any data that was previously filtered out.

*User response:* This message is for information only. No action is required.

**BMC80690E**  
**RENAME OR DELETE FAILED FOR dataSetName**

*Explanation:* An error occurred during the rename process in which the original archive log copy is replaced with the processed log copy.

*User response:* Contact BMC CustomerSupport for the product.

**BMC80691W**  
**ARCHIVE n CREATED FROM FILTERED FILE - filterType**

*Explanation:* The input archive log copy has already been processed by PACLOG, and filtering of the type listed has already been done. This filtering was not specified for the output copy listed.

The previous filtering is not undone, so the copies that were created in this run will not contain any data that was previously filtered out.

*User response:* This message is a warning. No action is required.

**BMC80693E**  
**UNCATALOGED ARCHIVE LOG NOT SUPPORTED dataSetName**

*Explanation:* The named input archive log copy was encountered which is not cataloged. Uncataloged archive log copies are not supported.

*User response:* Ensure that archive log copies to be processed are correctly cataloged and that the BSDS reflects this (the BSDS does not need to reflect the
correct unit and/or VOLSER information, only the fact that the archive log copy is cataloged). Run the job again.

**BMC80694E**  
**CATALOG FAILED FOR DSNAME dataSetName, RC = returnCode**  
*Explanation:* The return code shown was received while attempting to catalog the data set.  
*User response:* Contact BMC Customer Support for the product.

**BMC80695E**  
**ARCHIVE LOG COPY num LIST MISSING OR HAS NO ENTRIES**  
*Explanation:* BSDS analysis failed to find any archive logs that correspond to the copy number shown.  
*User response:* Ensure that the BSDS that is named in the SYSUT1 DD statement is correct. If it is correct, contact BMC Customer Support for PACLOG.

**BMC80696E**  
**ACTIVE LOG COPY num LIST MISSING OR HAS NO ENTRIES**  
*Explanation:* BSDS analysis failed to find any active logs that correspond to the copy number shown.  
*User response:* Ensure that the BSDS that is named in the SYSUT1 DD statement is correct. If it is correct, contact BMC Customer Support for PACLOG.

**BMC80698I**  
**COPIES IN SYNC COPY 1 AND COPY 2 ARE IN SYNC PACLOG**  
*Explanation:* All copy 2 archive logs have a matching copy 1.  
*User response:* This message is informational only. No action is required.

**BMC80699E**  
**DATA SHARING NOT SUPPORTED.**  
*Explanation:* This version of PACLOG does not support filtering in a data sharing environment.  
*User response:* Install a version of PACLOG that supports filtering in a data sharing environment.

### Messages BMC80700 through BMC80799

This group includes messages for the RECOVERY MANAGER for DB2 product.

**BMC80785I**  
**NO ACTIONS SPECIFIED TO moduleName**  
*Explanation:* During command processing for the module specified, RMGR processed no actionable commands and exits without further processing.  

For ARMBGPV, several actions became unnecessary and were removed with the addition of dynamic grouping support. If the only actions specified were
those that were removed, RMGR issues this message. The actions removed were POPULATION, REPLACE, and SIZING.

*User response:* This message is informational only. No action is required.

**BMC80786I**  
**reason MARKED FOR RECOVERY - objectName**

*Explanation:* After recovering the DB2 catalog, a difference was found for an object that requires that it be recovered.

Possible differences:
- Dropped index
- Created Timestamp
- DBID
- PSID
- IPrefix
- Instance
- VCAT name

*User response:* This message is informational only. No action is required.

**BMC80787I**  
**RESIDUAL DATA SET WILL BE DELETED FOR objectType - objectName**

*Explanation:* After recovering the DB2 catalog, a difference was found for an object that requires an orphaned VSAM data set to be deleted.

Possible differences:
- Created Timestamp
- DBID
- PSID
- IPrefix
- Instance
- VCAT name

*User response:* This message is informational only. No action is required.
THE BINDQUALIFIER IN THE CNTL FILE DOES NOT MATCH THE PLAN

Explanation: An attempt was made to bind the packages with a different qualifier name than the plan.

User response: You must free the plan if you wish to use a different repository qualifier.

object NOT INCLUDED IN GROUP - reason

Explanation: When groups are created by exception status or by volume, only non-clones or clones will be added to the group, but not both.

User response: This message is informational only. No action is required.

OVERRIDING utilityOrFunctionA TO utilityOrFunctionB REASON: reason

Explanation: The requested function or options requested for the function will be overridden as follows:

REASON: Online Consistent Copy

- Online Consistent Copy does not support LOBS. RECOVERY MANAGER switches the copy utility to COPY PLUS.

- Online Consistent Copy always makes SHRLEVEL CHANGE copies. RECOVERY MANAGER switches the specified SHRLEVEL option to CHANGE.

- The Online Consistent Copy option DSSNAP NO requires BIGDDN YES and the OUTSIZE option greater than zero. RECOVERY MANAGER switches to BIGDDN YES and OUTSIZE 2500K.

- Online Consistent Copy does not support incremental copies. RECOVERY MANAGER switches to FULL COPY YES.

- Online Consistent Copy does not support LB, RP, or RB copies. RECOVERY MANAGER overrides requests for those copies, which will not be made.

- Online Consistent Copy does not support encryption (the COPY PLUS ENCIPHER option). RECOVERY MANAGER switches to ENCIPHER NO.

REASON: Clones Only

- RUNSTATS YES is not supported with CLONES ONLY. RECOVERY MANAGER switches to RUNSTATS NO.

User response: This message is informational only. No action is required.

CALL SCCAUTH FAILED RETURN CODE=returnCode

Explanation: A call to the SCC authorization module failed. Possible causes for the failure are:
- SCCAUTH is not located in library *libraryName*

- SCCAUTH is not listed in SYS1.PARMLIB(IKJTSO *xx*) as an authorized program

- A library in the concatenation is not APF-authorized

  *User response:* Contact BMC Product Support.

**BMC80792E**  
**SCCAUTH FAILED RETURN CODE=returnCode REASON CODE=reasonCode**

*Explanation:* An internal error occurred.

*User response:* Contact BMC Product Support.

**BMC80793E**  
**ARMAUTH UNABLE TO GET APF INFORMATION FROM DB2**

*Explanation:* An internal error occurred.

*User response:* Contact BMC Customer Support.

**BMC80794E**  
**ARMAUTH UNABLE TO CONNECT TO DB2 FOR DYNAMIC BIND**

*Explanation:* An internal error occurred during dynamic bind processing

*User response:* Contact BMC Customer Support.

**BMC80795I**  
**messageText**

*Explanation:* Used to print a general line to output.

*User response:* This message is informational only. No action is required.

**BMC80796I**  
**NO UPDATE MADE FOR group**

*Explanation:* No updates were made to the indicated group.

*User response:* This message is informational only. No action is required.

**BMC80797I**  
**GROUP CREATED WITH MISSING type RELATION - object**

*Explanation:* The named object has a BASE-LOB or BASE-XML relationship with another object that is not included in the group. This can cause data inconsistency when recovering the group to a point in time.

*User response:* To include the related object either add it to the group, or recreate the group using the Include LOB or Include XML Objects option.

**BMC80798I**  
**BYPASS TERMINATING UTILITY ID utilityID**

*Explanation:* The program found the utility shown but did not terminate it because the catalog and directory were not yet recovered.

*User response:* This message is informational only. No action is required.
Explanation: This message is used to print a general line to output.

User response: This message is informational only. No action is required.

Messages BMC80800 through BMC80899

This group includes messages for the RECOVERY MANAGER for DB2 product.

**BMC80800E**
**REQUIRED VALUE MISSING - A REQUIRED VALUE HAS NOT BEEN ENTERED**

*Explanation:* The field at the cursor position is required.

*User response:* Type the information required at the current cursor position, and then press Enter.

**BMC80801E**
**DUPLICATE ENTRY - CANNOT ADD ENTRY TO LIST**

*Explanation:* The new entry cannot be added to the list because an entry already exists with the same key value.

*User response:* This message is for information only. No action is required.

**BMC80802E**
**CANNOT ADD PART/DSNUM num PART/DSNUM object IS ALREADY IN LIST**

*Explanation:* PART or DSNUM 0 and an individual PART or DSNUM cannot coexist in a list. The named object already exists in the current list.

*User response:* This message is for information only. No action is required.

**BMC80803E**
**INVALID COMBINATION - entries ARE MUTUALLY EXCLUSIVE text**

*Explanation:* The field at the cursor position is mutually exclusive with previous entries.

*User response:* Correct the information at the current cursor position, and then press Enter.

**BMC80804E**
**text INVALID DATA: data text**

*Explanation:* The product encountered the invalid data shown.

*User response:* Correct the information at the current cursor position, and then press Enter.

**BMC80805E**
**VALUE OUT OF RANGE**

*Explanation:* The invalid data reported in message BMC80804E is out of range. It must be in the range displayed by the product.

*User response:* Correct the information at the current cursor position, and then press Enter.
BMC80806E  EXTRANEOUS IDENTIFIER - TOO MANY PARTS

Explanation:  The field at the cursor position requires the partition entry displayed by the product.
User response:  Correct the information at the current cursor position, and then press Enter.

BMC80807E  INVALID ACTION - NOT ALLOWED FOR INDEX

Explanation:  This action is valid only for table spaces, not for indexes.
User response:  Correct the information at the current cursor position, and then press Enter.

BMC80808E  INVALID COMBINATION - COMMAND AND ACTION(S) NOT ALLOWED TOGETHER

Explanation:  A command cannot be entered at the same time as one or more actions are being performed on the list.
User response:  Correct the information at the current cursor position, and then press Enter.

BMC80809E  INVALID RBA ORDER - END RBA MUST BE value START RBA

Explanation:  The value for the end RBA must be greater than or equal to the value of the start RBA.
User response:  Correct the information at the current cursor position, and then press Enter. For the DSNJU003 NEWLOG function, the STARTRBA value must end with '000' and the ENDRBA value must end with 'FFF'. For the CRESTART function, the START and END RBA can be equal, which indicates a DB2 cold start.

BMC80810E  INVALID DATABASE - NOT A SYSTEM DATABASE

Explanation:  The database name entered was not a system database: DSNDB01 or DSNDB06. The function is supported only for system databases.
User response:  Correct the information at the current cursor position, and then press Enter.

BMC80811E  INVALID SPACE NAME - NOT A SYSTEM INDEX OR TABLE SPACE

Explanation:  The space name entered was not a system index or table space. The function is supported only for system spaces found in databases DSNDB01 or DSNDB06.
User response:  Correct the information at the current cursor position, and then press Enter.
BMC80812E  INVALID LOG RBA - LOG RBA MUST END IN X'FFF'
Explanation: The log RBA does not end in X' FFF'. DB2 requires this value to end in X'FFF'.
User response: Correct the information at the current cursor position, and then press Enter.

BMC80813E  BLOCK ACTION INCOMPLETE NO MATCH FOUND FOR SS OR XX
Explanation: A Block Action selection (SS or XX) was encountered without a match. You must enter the action on two lines to identify the block. The action must be the same on both lines.
User response: Make sure that Block Actions are correctly paired and then press Enter.

BMC80814E  INVALID RANGE - INVALID INTERVAL BETWEEN START AND END
Explanation: When specifying a time range for recovery point analysis, you entered an invalid range.
User response: Make sure that the END LIMIT is later than the START LIMIT and that the difference is no more than 7 days.

BMC80815E  INVALID SELECTION - ICTYPE NOT ALLOWED FOR RECOVERY POINT
Explanation: The copy type selected is invalid for the specified recovery point. Only image copies or quiesce points can be selected as recovery points.
User response: Select an image copy or quiesce point.

BMC80816E  INVALID LOG RBA - LOG RBA MUST END IN X'000'
Explanation: The log RBA does not end in X'000'. DB2 requires this value to end in X'000', that is, it must be an even multiple of 4096.
User response: Use a log RBA that ends in X'000'.

BMC80817E  INVALID TIMESTAMP - FORMAT MUST BE 'YYYYDDDDHHMMSST'
Explanation: In the message:
- YYYY indicates the year (1989-2099)
- DDD indicates the day of the year (0-366)
- HH indicates the hour (0-23)
- MM indicates the minutes (0-59)
- SS indicates the seconds (0-59)
- T indicates tenths of a second

If fewer than 14 digits are specified, trailing zeros are implied.
**Note**
You may not specify partial time stamp components, such as only the year.

*User response:* Correct the format of the time stamp.

**BMC80818E**  
**INVALID TIMESTAMP ORDER - END TIME MUST BE >= START TIME**

*Explanation:* The end time of the time stamp must be greater than or equal to the value of the start time. The time stamp format is YYYYDDDHHMMSSST. If fewer than 14 digits are specified, trailing zeros are implied.

*User response:* Correct the time stamp.

**BMC80819E**  
**INVALID CHECKPOINT RBA - RBA MUST BE BETWEEN START AND END RBAS**

*Explanation:* The value of the checkpoint RBA must be greater than or equal to the start RBA and less than or equal to the end RBA.

*User response:* Correct the value of the checkpoint RBA.

**BMC80820E**  
**INVALID OFFLOAD RBA - RBA MUST BE <= HIGHEST WRITTEN RBA**

*Explanation:* The value of the offload RBA must be less than or equal to the value of the highest written RBA. The offload RBA is the RBA of the last active log record that has been offloaded or written to the archive log.

*User response:* Use an offload RBA that is less than or equal to the highest written RBA.

**BMC80821E**  
**MISSING OPTION - SSID ssid OPT option**

*Explanation:* The option shown was not found in the control file.

*User response:* Verify that the subsystem options are correct.

**BMC80822E**  
**OPTIONS FILE INIT ERROR RC = returnCode**

*Explanation:* The product was unable to initialize the control information due to the error shown. Use the following information to resolve the problem:

- RC = returnCode
- Error message = messageNumber
- Record number = recordNumberValue
- Record = recordValue

*User response:* Correct the problem in the Control Information data set and run the job again. The data set is referenced by the ARMOPTS DD in the CLIST or batch JCL.
BMC80823E  INVALID SELECTION - DSNUM MISMATCH

Explanation: The data set number or partition of the selected image copy does not match the space being recovered.

User response: Select an alternate image copy or change to recovery by partition.

BMC80824E  INVALID SELECTION - BACKUP COPY NOT VALID WITHOUT PRIMARY

Explanation: A copy specification was made without making an appropriate specification for another copy type.

The following actions are invalid:

- specifying a backup copy without specifying a primary copy
- specifying a remote primary copy without specifying a local primary copy
- specifying no primary copy without specifying no backup copy

User response: Specify your copies in one of the following ways:

- To make only a primary copy, set LP to 1.
- To make both primary and backup copies, set both LP and LB to 1.
- To change a primary copy specification from Yes to No, set both LP and LB to 2.

BMC80825E  INSUFFICIENT ENTRY - PART(S) OF MULTI PART ENTRY ARE MISSING

Explanation: The field at the cursor position requires an entry for the partition.

User response: Type the fully qualified name, and then press Enter.

BMC80826E  INVALID EXPDT - FORMAT MUST BE 'YYDDD' OR 'YYYY/DDD'

Explanation: The expiration date specified was invalid because the format is incorrect.

User response: Type the date using the format YYYY/DDD or YYDDD where:

- YYYY indicates the year (current-2155)
- YY indicates the year (current-99)
- DDD indicates the day of the year (1-366)

Then press Enter.
BMC80827E  INVALID COMBINATION - TAPE YES/NO AND UNIT SPECIFICATION
Explanation:  TAPE YES or NO cannot be specified without specifying a unit name, nor can the unit be specified without selecting YES or NO for tape.
User response:  Either provide a unit name or clear the specification for tape; then press Enter.

BMC80828E  INVALID ACTION - NO SYSCOPY ENTRY TO DISPLAY
Explanation:  D is not a valid action without a SYSCOPY row to display.
User response:  Clear the action field or type L to see a list of available SYSCOPY rows. Then press Enter.

BMC80829E  OPEN FAILED - text
Explanation:  A library management open failed with the error named in the message.
User response:  Contact BMC Customer Support for the product.

BMC80830E  DUPLICATE NAME - DATA SET NAME ALREADY USED
Explanation:  The data set name you entered for renaming a system resource data set matches the current name of a system resource data set or an earlier data set name you entered on the same panel.
User response:  Change the name of the data set. To view system resource data set names select Control Information in the Main Menu.

BMC80831E  UPDATE FAILED - COPY TO member ENDED WITH RC=returnCode
Explanation:  An ISPF copy to the control file information data set member shown ended with return code shown.
User response:  Check the return code information for ISPF function LMCOPY. Make sure that you have UPDATE authority to the control file information.

BMC80832E  INVALID ACTION - NOTHING TO DISPLAY
Explanation:  The selected action is not valid for this object.
User response:  Delete the action and continue.

BMC80833E  SITE TYPE MISMATCH - BACKUP TYPE DOES NOT MATCH CURRENT SITE
Explanation:  Only the backup types shown in the online explanation of this message are valid.
User response:  Make a valid selection.
**BMC80834E**  
**SELECTION NOT ALLOWED FOR GROUP RECOVERY TO CURRENT**

*Explanation:* Relationships (RI and index) have not been verified. Selection of an alternate recovery point for an object could leave objects in check pending status.

*User response:* You can continue with the recovery of the working group (objects with status other than OK will not be included). Then, exclude the recovered objects from the working group. Select 1. Recover and a recovery type other than To Current for the remaining objects.

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**BMC80835E**  
**DATA SET NAME TOO LONG FOR RECOVER PLUS PARTITIONED OUTCOPY**

*Explanation:* Since the partition number must be appended to the data set name, the name specified cannot exceed 39 characters.

*User response:* Specify a data set name which results in 39 characters or less.

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**BMC80836E**  
**GDG NOT VALID FOR RECOVER PLUS PARTITIONED OUTCOPY**

*Explanation:* Because the partition number must be appended to the data set name, generation data groups are not allowed.

*User response:* Specify a data set name without GDG.

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**BMC80837E**  
**DATA SET NAME TOO LONG FOR ARCHIVE LOG PREFIX**

*Explanation:* Because the archive log number must be appended to the data set name, the name specified cannot exceed 35 characters. If TSTAMP is set to Y in the product’s control options, the allowable prefix length is reduced to 17 characters to allow the date and time to be appended to the log data set name. If any member of a data sharing group is set to TSTAMP=Y, the prefix length is limited to 17 characters for all members of the group.

*User response:* Specify a prefix with the correct length.

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**BMC80838E**  
**INVALID ID - DELIMITED NAME NOT ALLOWED**

*Explanation:* The delimited name is not valid for the CREATOR, SQLID or Group Prefix (for RMGR-created group names).

*User response:* Remove the delimiters from the indicated field.

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**BMC80839E**  
**NO SAVED REQUESTS - JCL GENERATION NOT ALLOWED**

*Explanation:* JCL generation is not allowed until requests have been saved.

*User response:* Save requests before JCL generation.

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**BMC80840E**  
**LM FUNCTION FAILED - RC = returnCode FROM libraryManagementFunction**

*Explanation:* The return code shown was received from the library management function.

*User response:* Contact BMC Customer Support for the product.
**BMC80841I**

**UPDATE COMPLETED FOR objectName**

*Explanation:* The recovery options update was completed for the named object.

*User response:* This message is for information only. No action is required.

**BMC80842I**

**UPDATE CANCELED FOR objectName**

*Explanation:* The options update was canceled before completion. No changes were made to the utility options.

*User response:* This message is for information only. No action is required.

**BMC80843I**

**DELETE COMPLETED FOR objectName**

*Explanation:* The deletion of the recovery options requested for the named object was completed.

*User response:* This message is for information only. No action is required.

**BMC80844I**

**UPDATE SUCCESSFUL - CONTROL INFORMATION UPDATED**

*Explanation:* The product's control information was successfully updated.

*User response:* This message is for information only. No action is required.

**BMC80845I**

**DELETE CANCELED**

*Explanation:* The deletion of the recovery options requested for the named object was canceled.

*User response:* This message is for information only. No action is required.

**BMC80846W**

**NOTHING TO process - NO OBJECTS ELIGIBLE FOR PROCESSING**

*Explanation:* If you are generating recovery JCL, then there are no objects that have an "OK" status. If you are generating backup JCL, either there are no objects that have an "OK" status, or none of the objects is eligible to be copied.

Indexes are not considered eligible for copy for any of the following reasons:

- The Copy Index Spaces recovery option is not set
- If backing up using DB2 COPY, the COPY option is not set
- If backing up using BMC utilities, the utility must be at a level that supports index backup.
- If backing up using COPY PLUS, the table spaces are in a status that does not allow a quiesce.

*User response:* Determine why the objects are not eligible for processing.
**BMC80847E**  
**INVALID TIMESTAMP - DATA DOES NOT MATCH TIMESTAMP FORMAT**

*Explanation:* If you are not using extended time stamps, then the format should be $D\,yyddd.T\,hhmmss$:  
- $yy$ indicates the year (two digit)
- $ddd$ indicates the day of the year (1-366)
- $hh$ indicates the hour (0-23)
- $mm$ indicates the minutes (0-59)
- $ss$ indicates the seconds (0-59)
- $t$ indicates tenths of a second

If you are using extended time stamps, then the format should be $D\,yyyyddd.T\,hhmmss$.  

*User response:* Type the time stamp in the correct format using the prefixes shown in the message. Then, press Enter.

**BMC80848E**  
**JOBCARD TOO LONG - COULD EXCEED 72 CHARACTERS**

*Explanation:* The pattern defined for the job card could result in a length of greater than 72 characters upon evaluation of the symbolics.  

*User response:* Shorten the card image, remove symbolics, or split the image into multiple card images.

**BMC80849E**  
**INVALID JOBNAME - JOBNAME MUST CONTAIN JOB# SYMBOLIC**

*Explanation:* The job name does not contain any of the valid job number symbolics. To allow generation of more than one job, the job name must contain at least one digit of variable job number.  

If the message is issued for an ARMBSRR disaster recovery job, verify that the data set used in the ARMJCIN DD statement has at least two digits of variable job numbers ($&##$).  

*User response:* Include one of the following symbolics in the job name:  
- $&#$ (low order 1 digit of the job number)  
- $&##$ (low order 2 digits of the job number)  
- $&###$ (low order 3 digits of the job number)  
- $&#####$ (low order 4 digits of the job number)
**BMC80850I**  
**dataSetName2 Created from dataSetName1**  
**Explanation:** The product created a copy (dsn2) of the archive log (dsn1) shown in the message.  
**User response:** This message is for information only. No action is required.

**BMC80851E**  
**Invalid Combination - Entry/Control Info Mutually Exclusive**  
**Explanation:** The information in the field at the cursor position is mutually exclusive with the information specified in the product’s control information.  
**User response:** Correct the information at the current cursor position and then press Enter.

**BMC80852E**  
**Invalid Combination - Mutually Exclusive with Offsite Archive**  
**Explanation:** The field at the cursor position is mutually exclusive with what is specified for use with offsite archives. When using archive copy 1 or 2, no more than one copy can be restored to disk.  
**User response:** Correct the information at the current cursor position, and then press Enter.

**BMC80853E**  
**Resetmod ‘No’ Is Required**  
**Explanation:** For incremental copies (FULL NO), RESETMOD YES is not valid with CUMULATIVE NO or with READTYPE FULLSCAN.  
**User response:** For SHRLEVEL CHANGE, RESETMOD YES is not valid in COPY PLUS versions earlier than 5.5. Specify RESETMOD NO or change other values first.

**BMC80854E**  
**RUNSTATS Not Allowed for Incremental Backups (FULL NO)**  
**Explanation:** The product found a request to update DB2 statistics while processing an incremental copy request. Statistics updates require a full pass of the table space.  
**User response:** Specify RUNSTATS NO. If you want to run RUNSTATS for the space, then you must go back and change the copy type to FULL YES before specifying the RUNSTATS value.

**BMC80855E**  
**Invalid Combination for RUNSTATS Options**  
**Explanation:** RECOVERY MANAGER found an invalid combination of RUNSTATS options while making a full image copy.  
**User response:** Statistics must be reported and/or updated. If RUNSTATS is selected, you must also select reporting, updating, or both.

**BMC80856E**  
**Invalid Jobcard Job Keyword Not Found As Expected**  
**Explanation:** Either the job card provided did not contain a line with the JOB keyword, or the line was not in the expected format.  
**User response:** Check the job card you provided. There should be a line in the following format:
// jobName JOB

Note that there should not be any characters preceding the //.

**BMC80857E**  INVALID JOBCARD REASON=reason

*Explanation:* The job card provided contained an error for the reason shown.
*User response:* Check the job card you provided and correct the error.

**BMC80858E**  SELECTION NOT ALLOWED WITH DESCRIPTION UPDATE

*Explanation:* The field at the cursor position is not required for group description update.
*User response:* Delete the value in the field at the cursor position.

**BMC80859W**  UNABLE TO EVALUATE ARCHIVE archiveLog BECAUSE DATES ARE ZERO

*Explanation:* The archive log has zeros as the start and end dates and cannot be used to try and find an RBA.
*User response:* If possible, use Change Log Inventory and enter correct dates.

**BMC80860E**  ERROR IN RESOLVING RBA IN ARCHIVE archiveLog

*Explanation:* This archive log or the previous archive may have invalid start or end dates. One of the archives can not be used to try and find an RBA.
*User response:* If dates are in error, use the Change Log Inventory utility and enter correct dates.

**BMC80861E**  INVALID WORK FILE NAME

*Explanation:* The work file database name must not begin with DSNDB in the data sharing environment, unless it is DSNDB07. This message is also issued if the DB2 subsystem is a member of a data sharing group and the group member name is not entered on the RMGR panel.
*User response:* Correct the work file database name or add the group member name, as needed.

**BMC80863E**  INVALID DATA ONLY VALID FOR DB2 DATA SHARING

*Explanation:* A value has been specified in a field that only applies to data sharing subsystems. The Control Information indicates that the current subsystem is not data sharing.
*User response:* Clear the field or correct the Control Information if it is incorrect.
BMC80864E  INVALID LRSN ORDER - END LRSN MUST BE >= START LRSN

Explanation: The value for the ending LRSN must be greater than or equal to the value of the starting LRSN.

User response: Correct the information at the current cursor position, and then press Enter.

BMC80865E  NO SAVED REQUESTS - UNABLE TO GENERATE THE JCL

Explanation: No requests have been saved, so the JCL cannot be generated.

User response: Save at least one request before attempting to generate JCL.

BMC80866E  INVALID SELECTION - RECOVER type AND TO COPY NOT ALLOWED

Explanation: Recover to copy cannot be specified with either the backout option or the log only option. These are mutually exclusive options.

User response: Select a recovery point other than an image copy.

BMC80867E  ONLY ONE PATTERN ALLOWED

Explanation: More than one table space name or pattern was specified but only one is allowed.

User response: Change the table space syntax to include only one pattern, Use the online interface to build more complex groups.

BMC80868I  numberSpaces SPACES DO NOT HAVE DB2 CATALOG STATISTICS.
TOTAL SPACES PROCESSED = numberProcessed

Explanation: The product found that the number of spaces indicated had -1 in the NACTIVE column of SYSIBM.SYSTABLESPACE. The total number of spaces that were processed is also displayed. The optimization process will not be optimal due to the missing information.

User response: Use the RUNSTATS utility or COPY PLUS with RUNSTATS YES to collect statistics and update the DB2 catalog.

BMC80870E  INVALID TIMESTAMP FORMAT MUST BE 'YYYY-MM-DD-HH.MM.SS'

Explanation: The time stamp has an invalid format. The format must be as shown in the message where:

- YYYY indicates the year (1989-2099)
- MM indicates the month of the year (01-12)
- DD indicates the day of the month (01-31 and valid)
- HH indicates the hour (00-23)
- MM indicates the minutes (00-59)
- SS indicates the seconds (00-59)
Components may be separated by a hyphen, period, or colon.

User response: Correct the format.

**BMC80871W** GROUP CREATED BY ARMBGPS NOT REVALIDATED BY THIS METHOD

Explanation: The group was created by ARMBGPS. Neither ARMBGPV nor the online process can determine the contents of the group. Revalidation was not performed.

User response: If you are preparing to generate recovery JCL, use ARMBGPD to identify differences between the current DB2 catalog and the stored groups. If you are setting up the groups, use ARMBGPS and then make a new set of backup copies to match the groupings.

**BMC80872E** GROUP CREATED BY ARMGPS CANNOT HAVE OBJECTS ADDED

Explanation: The group was created by ARMBGPS. Adding more objects to the group is not allowed by this method.

User response: If you are preparing to generate recovery JCL, use ARMBGPD to identify differences between the current DB2 catalog and the stored groups. If you are setting up the groups, use ARMBGPS and then make a new set of backup copies to match the groupings.

**BMC80873E** INVALID SELECTION: explanation

Explanation: Entries in fields are incompatible with each other.

User response: See the replacement text above to see what fields are incompatible with each other. Correct your entries and retry.

**BMC80874E** GDG NOT VALID FOR COPY PLUS DSSNAP DATASET NAME

Explanation: Since the DSSNAP request will result in .D or .DATA appended to the data set name, generation data groups are not allowed.

User response: Specify a data set name without a GDG.

**BMC80875E** DATA SET NAME TOO LONG FOR COPY PLUS DSSNAP DATASET NAME

Explanation: Since the DSSNAP processing will result in .D or .DATA appended to the data set name, the name specified cannot exceed 39 characters. Note that all symbolic variables are expanded with the maximum number of characters possible for that variable.

User response: Specify a data set name which evaluates to 39 characters or less.

**BMC80876I** subsystemName statusIndicator LAST LOG= dataSetName

Explanation: This message documents the status of the archive log offload task for a specify subsystem. The first token is the subsystem name. The second token may optionally contain a status indicator such as OFFLOADED or NOT
OFFLOADED. The last token is the data set name of the last archive copy 1 log for the subsystem.

*User response:* No action required.

**BMC80877I**  
*command ISSUED dataSetName*  
*Explanation:* The DB2 command named in the message has been issued. Depending upon the command, additional information such as the command return code will be given.

*User response:* This message is for information only. No action is required.

**BMC80878I**  
*ARCHIVE OFFLOAD COMPLETE*  
*Explanation:* The archive offload task has completed. See previous messages to find the name of the most recently archived log for the subsystem.

*User response:* This message is for information only. No action is required.

**BMC80879E**  
*OFFLOAD TASK DID NOT COMPLETE, REASON=reasonCode*  
*Explanation:* The archive offload task did not complete. The following are possible reasons why the ARCHIVE LOG command did not complete:

- RETRIES EXHAUSTED--The command was issued, but did not complete before we exhausted the retries. Look for the DSNJ139 command on the console to determine when the command is complete.

- NO SYSTEM WIDE QUIESCE--The product always issues an ARCHIVE LOG MODE(QUIESCE) command. The command was not issued because DB2 cannot perform a system-wide quiesce if any member is in a failed status. See preceding messages to determine which member is affected.

*User response:* If RETRIES EXHAUSTED is the reason that the command did not complete, use the Print Log Map command to determine when the offload does complete. If NO SYSTEM WIDE QUIESCE is the reason, determine which member is in failed status and correct the situation.

**BMC80880I**  
*messageText*  
*Explanation:* The DB2 object named is in the desired status.

*User response:* This message is for information only. No action is required.

**BMC80881I**  
*messageText*  
*Explanation:* The DB2 object named is not yet in the desired status. The program will retry if it has not already exceeded the retry limit.

*User response:* This message is for information only. No action is required.
Waiting n seconds prior to retrying command

Explanation: The program will wait the number of seconds specified before retrying the DB2 command in process.
User response: This message is for information only. No action is required.

Unable to start/stop object. Retries have been exhausted.

Explanation: The DB2 object named in the previous BMC80881I message is not in the desired status.
User response: Use the DB2 DISPLAY command to wait for the space to be in the desired status, then restart the job.

No utilities found to terminate

Explanation: The program did not find any utilities executing against either the catalog or directory that needed to be terminated, so no action was necessary.
User response: This message is for information only. No action is required.

Terminating utility ID utilityID

Explanation: The program found the utility shown executing against either the catalog or directory. The utility has been terminated.
User response: This message is for information only. No action is required.

Waiting for DB2 to deallocate data sets, seconds = seconds

Explanation: The program is waiting for DB2 to deallocate the data sets for the objects that have been stopped.
User response: This message is for information only. No action is required.

Utility utilityID requires termination on member member

Explanation: The indicated utility has been identified in SYSUTILX as using the catalog or directory. However, it is also identified under the group member name shown. It must be terminated from that member.
User response: This message is a warning. If the job contains a step to execute ARMBTRM on the member identified, the utility will be terminated. Otherwise, the utility will have to be terminated manually on the identified member before the catalog and directory can be recovered.

Object LPL status cleared

Explanation: The DB2 object named is not in LPL status.
User response: This message is for information only. No action is required.

Object in LPL status

Explanation: The DB2 object named is still in LPL status. The program will retry if it has not already exceeded the retry limit.
User response: This message is for information only. No action is required.
BMC80890E  LPL NOT CLEARED AND RETRY COUNT HAS BEEN EXHAUSTED

Explanation: The program is terminating although the LPL status for all of the objects has not cleared. The retry count has been exhausted.

User response: Use the DB2 DISPLAY command to watch and wait for the LPL status to clear. You may need to take action to clear the problem that produced the LPL condition.

BMC80891E  INVALID COMBINATION: option1 AND option2

Explanation: The option values shown in the message are not compatible. They cannot be used together.

User response: Change the value of one of the options.

BMC80892W  NO LOG OFFLOAD FOR MEMBER=memberName, MEMBER STATUS=status

Explanation: This message is issued for any members in FAILED or QUIESCED status. The product does not wait on these subsystems to archive a log.

User response: If the active log data on the FAILED or QUIESCED subsystem is needed for recovery, bring up the subsystem and issue an ARCHIVE LOG command so that the data can be offloaded.

BMC80893E  TIMEOUT LIMIT EXCEEDED - SECONDS = seconds

Explanation: During multiple job synchronization, the task for which a wait request was being processed did not complete within the time limit shown.

User response: Determine the task that timed out by checking the input to the ARMBSYN program. Review other jobs in the job network to determine the original problem. Correct the problem if necessary, and restart the job network. You may also increase the wait time to the ARMBSYN program via its parameters.

BMC80894E  TASK KILLED BY ANOTHER JOB

Explanation: During multiple job synchronization, the task for which a request is being processed was marked as killed by another job. This generally indicates that the dependent task did not complete due to an error. The current job could not complete successfully.

User response: Determine the task that was killed by checking the input to the ARMBSYN program. Review other jobs in the job network to determine the original problem. Correct the problem if necessary and restart the job network.

BMC80895E  REQUIRED VALUE FOR KEYWORD keyword NOT SPECIFIED

Explanation: The keyword shown is required, but was not specified.

User response: Edit your control cards to add the required keyword, and then submit the job again.

BMC80896W  INVALID COMBINATION: option1 AND option2

Explanation: You have specified mirroring with one of the following options:
ARMBSRR sets RC 4 and issues this message with BMC80348W SWITCHING TO NON-MIRRORED RECOVERY. SEE PREVIOUS MESSAGE.

User response: Accept non-mirrored recovery, or specify mirroring with valid options and resubmit the job.

**BMC80897E**  
**ARMDBMAC VARIABLE IS NOT DEFINED IN THE CLIST**

Explanation: The ARMDBMAC variable contains the data set name where the xxxDOPTS macros reside. This data set is used as the SYSLIB when assembling the options modules.

User response: Ensure that this variable is defined in the CLIST.

**BMC80898E**  
**REQUIRED DD ddname NOT FOUND**

Explanation: The DD name shown was not found, but is required for execution.

User response: Check the JCL and add the required DD.

**BMC80899E**  
**UNEXPECTED ISPF ERROR - PLEASE NOTE THE FOLLOWING INFORMATION**

Program: programName  
Received Return Code: returnCode  
From ISPF Service: service  
ISPF Message: text

Explanation: An ISPF function ended abnormally.

User response: Contact BMC Customer Support for the product.

## Messages BMC80900 through BMC80999

This group includes messages for the RECOVERY MANAGER for DB2 product.

**BMC80900E**  
**DDNAME: ddname**

Explanation: An error was encountered while attempting to build the BMC message file. The DDNAME and the error string will be printed.

User response: Correct the problem with the BMC message file using the additional information from the message text if possible. Contact BMC Customer Support if you need assistance.
BMC80901E  INVALID SELECTION XUNCHANGED REQUIRES SITETYPE LOCAL

Explanation: The EXCLUDE UNCHANGED FROM RECOVERY option analyzes SYSLGRNX in order to identify objects that have not changed between recovery time and current time. This process requires that the site type is local.

User response: Set the site type to local at the RECOVERY MANAGER main menu and retry.

BMC80902W  LIMIT NOT DETERMINED FOR LIMIT LOGS AUTO - step step NOT GENERATED

Explanation: The product was not able to determine a limit value for the requested LIMIT LOGS AUTO. To avoid causing all logs to be copied with no limit specified, the archive log copy step is not generated.

User response: Review other messages to determine the specific cause for no limit being determined.

BMC80903E  INVALID COMBINATION: option1 AND option2 WITHOUT option3 SPECIFIED

Explanation: The first two options above can only be specified together if the third option is also set.

User response: Change the value for one of the options shown.

BMC80904E  INVALID COMBINATION: PERCENTAGES ENTERED MUST ADD UP TO 100

Explanation: The percent options (ANPCT, BCPCT, FCPCT, LRPCT and URPCT) must equal 100% when added together.

User response: Check your entries to determine what is causing the mismatch.

BMC80905E  option INVALID text

Explanation: The option chosen is not valid for the reason stated.

User response: Select another option.

BMC80906I  LIMIT CHANGED FROM value1 TO value2 FOR LIMIT LOGS AUTO

Explanation: The value for LIMIT LOGS AUTO was reduced as shown in the message above because the larger value would have generated JCL that would attempt to copy uncataloged logs.

User response: No action is required. However, the large value could indicate that valid image copies for the system objects could not be found.

BMC80907W  REPORT RECOVERY UNSUCCESSFUL FOR object. RC=returnCode ABEND CODE=abendCode

Explanation: During the process to retrieve the log ranges for the object shown, REPORT RECOVERY failed with the indicated return code or ABEND code. This message has a severity level of W when issued by ARMBSRR.

User response: Run a DB2 REPORT RECOVERY tablespace/indexspace for the object identified in the message text to facilitate problem diagnosis.
BMC80907E REPORT RECOVERY UNSUCCESSFUL FOR object RC=returnCode ABEND CODE=abendCode

Explanation: During the process to retrieve the log ranges for the object shown, REPORT RECOVERY failed with the indicated return code or ABEND code. This message has a severity level of E when issued by ARMBGPV.

User response: Run a DSNUTILB REPORT RECOVERY tablespace/indexspace for the object identified in the message text to facilitate problem diagnosis.

BMC80908E RECOVER OF NOT LOGGED object INVALID, NOT A RECOVERABLE POINT

Explanation: The requested recovery point is not valid for an object with a logging attribute of NOT LOGGED. Such objects can be recovered only to a CREATE NOT LOGGED point, ALTER NOT LOGGED point, or Image Copy.

User response: Select a valid recovery point for the object.

BMC80910I REQUESTED QUIESCE WRITE(NO) NOT GENNED FOR NOT LOGGED object

Explanation: QUIESCE WRITE(NO) is not valid for an object with a logging attribute of NOT LOGGED. It does not create a recoverable point and does not write the pages from the buffer pool to DASD.

User response: Select QUIESCE WRITE(YES) to generate a QUIESCE.

BMC80911W RECOVER TO CURRENT OF NOT LOGGED object MAY RESULT IN DATA LOSS.

Explanation: When recovering an object with a logging attribute of NOT LOGGED to current, the recovery point used is the latest available recovery point for a NOT LOGGED object. Updates to the object that were made after that recovery point are unavailable and therefore data loss is possible.

User response: At the time the generated JCL is run, verify whether updates exist for the referenced object to determine whether the recovery should be submitted.

BMC80912E NOT LOGGED object CANNOT BE RECOVERED VIA LOGONLY

Explanation: Objects with a logging attribute of NOT LOGGED cannot be recovered using the LOGONLY option. No UNDO/REDO log entries are available to be applied to the object in order to recover it via the log.

User response: Select another recovery type.

BMC80913E SPECIFIED POINT IS NOT A RECOVERABLE POINT FOR NOT LOGGED object

Explanation: Objects with a logging attribute of NOT LOGGED can be recovered to only three recoverable points corresponding to a CREATE NOT LOGGED point, ALTER NOT LOGGED point, or Image Copy. The object cannot be recovered if you specify any other recovery point.

User response: Select a different recovery point for this object.
COPY OF NOT LOGGED IX index WILL FAIL IF IN ICOPY STATUS WHEN RUN.

Explanation: Copy of an index will fail if all of the following conditions are true:

- the index belongs to a table space with the logging attribute of NOT LOGGED
- the index is in ICOPY PENDING status
- the table space to which the index belongs is not included with the index in the group to be copied

User response: Before you run the JCL, ensure that the index and its table space are in the same group or ensure that the index is not in ICOPY PENDING status.

SCOPE PENDING INVALID FOR UTILITY utilityName- "ALL" SET

Explanation: SCOPE PENDING is not valid for the specified utility. RECOVERY MANAGER sets SCOPE ALL and JCL generation continues.

User response: No action is required.

outputStackToken='CABINET' AND COPY_UTILITY=utilityName INVALID

Explanation: You cannot specify any of the OUTPUT STACK tokens to CABINET without specifying ACPMAIN as the copy utility. Cabinet copy is supported only by COPY PLUS.

User response: Change your copy utility to COPY PLUS and resubmit the job.

{GROUP SAVE FAILED: DEFINITION ERRORS | GROUP SAVE SKIPPED: REPOSITORY GROUP | GROUP SAVE SKIPPED: BGPS GROUP}:

{DEFINITION ERRORS | REPOSITORY SERVICES RC=returnCode}

Explanation: During migration of defined groups from an older release to RECOVERY MANAGER version 9.2.00 or later, this group was not migrated for the reason indicated. Often more detailed information is given prior to this message indicating the specific problem reported.

User response: Check for more information in the preceding messages.

DEFINITION ERROR: text

Explanation: RECOVERY MANAGER issues this message during migration when a problem is found with a group’s definition. In most cases, the group is not migrated to RECOVERY MANAGER version 9.2.00 or later. text represents one of the following reasons for the definition error:

- UNKNOWN DEFINITION TYPE 0
- PLAN DEFINITION WITH NO PLAN NAMES
- PACKAGE DEFINITION WITH NO PACKAGE NAMES
- STOGROUP DEFINITION WITH NO STOGROUP NAMES
- VOLUME DEFINITION WITH NO VOLUME NAMES
- GROUP DEFINITION WITH NO GROUP NAMES
- EXCLUDE GROUP DEFINITION WITH NO GROUP NAMES
- RELATED DEFINITIONS WITH NO NAMES
- CHANGE ACCUM DEFINITION WITH NO ENTRIES
- NO DEFINITION INFORMATION

**User response:** If the group is not saved, the easiest solution is to recreate the group as desired in RECOVERY MANAGER version 9.2.00 or later.

**BMC80919E**

**{REPOSITORY GROUP | BGPS GROUP}: OLD REPOSITORY OBJECTS INVALID FOR CURRENT RELEASE**

**Explanation:** Previous release repository objects are not valid in the current version. Because these objects are part of the definitions for both repository groups and BGPS groups, these groups will be skipped during the migration of the repository from an older release to the current release.

In the current release, these objects are generated by using the plan names of all associated products. The migration program run cannot be dictated and could therefore be run prior to the associated products being installed or their synonyms defined. To avoid the possibility of incomplete groups being created, these groups will be skipped.

**User response:** After the installation of all associated products has been completed, create repository and BGPS groups by using RECOVERY MANAGER.

**BMC80920E**

**GROUP CONTAINS NO DEFINITION INFORMATION, GROUP NOT SAVED.**

**Explanation:** During the repository services save request, RECOVERY MANAGER determined that the group contains no definitions. RECOVERY MANAGER processes the definitions to generate the list of objects for the group. Because of this processing, RECOVERY MANAGER requires that definitions are present to use the group.

**User response:** You must create the group with definitions in order for RECOVERY MANAGER to save the group.

**BMC80990E**

**messageText**

**Explanation:** The system provides detailed debugging information.

**User response:** Check for previous messages. Contact BMC Customer Support.
**BMC80991**

**messageText**

*Explanation:* The system provides detailed debugging information.

*User response:* Check for previous messages. Contact BMC Customer Support.

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**BMC80992**

**messageText**

*Explanation:* Detailed debugging information.

*User response:* Check for previous messages.

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**BMC80998**

**ERROR CREATING MESSAGE TABLE, RC = returnCode**

*Explanation:* An error was encountered while attempting to build the BMC message file. Return codes and additional information are listed below.

- **RC = 150 - DDNAME: ddname** - EOF WITHOUT FINDING 'ENDMESSAGE'
- **RC = 151 - DDNAME: ddname** - EOF WITHOUT FINDING 'BEGINMESSAGE'
- **RC = 152 - DDNAME: ddname** - EOF WITHOUT FINDING 'ENDTOKEN'
- **RC = 153 - DDNAME: ddname** - EOF WITHOUT FINDING 'BEGINTOKEN'
- **RC = 160 - DDNAME: ddname** - INVALID FORMAT SPECIFIER IN LONG MSG
- **RC = 161 - DDNAME: ddname** - INVALID FORMAT SPECIFIER IN LONG MSG
- **RC = 162 - DDNAME: ddname** - INVALID FORMAT SPECIFIER IN SHORT MSG
- **RC = 163 - DDNAME: ddname** - INVALID FORMAT SPECIFIER IN SHORT MSG
- **RC = 170 - DDNAME: ddname** - INVALID MESSAGE NUMBER - number
- **RC = 180 - DDNAME: ddname** - FOUND BAD TOKEN (NO DELIMITER)
- **RC = 190 - OPEN FAILED FOR ddname**

*User response:* Correct the problem with the BMC message file using the additional information from the message text if possible. Contact BMC Customer Support for the product if you need assistance.

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**BMC80999**

**UNEXPECTED CONDITION ENCOUNTERED**

*Explanation:* The product encountered an unexpected condition.

*User response:* Check for additional messages. Contact BMC Customer Support for the product.
Messages BMC81000 through BMC81099

This group includes messages for the RECOVERY MANAGER for DB2 product.

**BMC81008E**  
**MISSING OPTION: option NOT FOUND IN OPTIONS - UNABLE TO CONTINUE.**

*Explanation:* The option shown above was not found in the control file.

*User response:* Display the control file through Control information on the product’s Main Menu. Update the control information to add the value. Also, check the data set named in the ARMOPTS DD statement, because this error can also indicate using an out-of-date file from an earlier version of the product.

**BMC81020E**  
**UNABLE TO OBTAIN A LOCK ON bmcTable TABLE. [RETRIES=number:total] SQLCODE=sqlCode.**

*Explanation:* The current process is unable to obtain a necessary lock on the BMC table (BMCUTIL or BMCSYNC) shown. The SQLCODE returned from the last attempt is shown. If the SQL errors were -904 or -911, the message will also show the number of retries and the total allowed.

*User response:* If the failure is not related to the total retries allowed, see the preceding SQL messages that indicate the cause of the failure.

**BMC81021E**  
**UNABLE TO INSERT A ROW IN bmcTable TABLE. RETRIES=number:total. SQLCODE=sqlCode.**

*Explanation:* The current process is unable to insert a row into the BMC table (BMCUTIL or BMCSYNC) shown. The number of retries, the total number of retries allowed, and the SQLCODE returned from the last attempt are also shown.

*User response:* If the failure is not related to total retries allowed, see the preceding SQL messages that indicate the cause of the failure.

**BMC81023E**  
**COMMIT FAILED FOR bmcTable TABLE. SQLCODE=sqlCode.**

*Explanation:* The current process is unable to commit the work done for the table (BMCUTIL, CRRDRPT, or BMCSYNC) shown. The SQLCODE returned is also shown.

*User response:* See previous SQL messages to help determine the cause of the failure.

**BMC81025E**  
**UNABLE TO DELETE ROW(S) IN bmcTable TABLE. SQLCODE=sqlCode. [RETRIES=number:total]**

*Explanation:* The current process is unable to delete one or more rows from the table (BMCUTIL or BMCSYNC) shown. The SQLCODE returned from the last
attempt is shown. If the SQLCODE is -904 or -911, the number of retries is also shown.

User response: If the failure is not related to the maximum retries allowed, see any preceding SQL messages indicating the cause of the failure.

**BMC81030E**  
**INSERT ROW: TABLE tableName FAILED. SQLCODE=sqlCode**  
*Explanation:* The table specified had an insert failure.  
*User response:* See the SQLCODE and any previous SQL error messages to determine the reason for the failure. The cause of the failure must be corrected before this program can continue.

**BMC81041E**  
**text - DS dataSetName SPECIFIED IS text**  
*Explanation:* The data set (and member, if specified) either has an organization mismatch with the actual data set or the data set does not exist.  
*User response:* Please correct the specified data set name or data set and retry.

**BMC81042E**  
**ERROR DURING OPEN OF dataSetName**  
*Explanation:* An attempt to open the data set or DD statement shown in the message failed.  
*User response:* Verify the data set or DD statement name and retry.

**BMC81043E**  
**ERROR DURING READ OF dataSetName**  
*Explanation:* The product encountered an error when attempting to read the data set shown.  
*User response:* Verify the data set name and retry.

**BMC81044E**  
**ERROR DURING WRITE TO dataSetName**  
*Explanation:* The product encountered an error when attempting to write to the data set shown.  
*User response:* Verify the data set name and retry.

**BMC81045E**  
**messageText**  
*Explanation:* Due to an internal error, the product failed to perform the function shown in the message.  
*User response:* Correct the problem using the additional information from the message text if possible. Contact BMC Customer Support for the product if you need assistance.

**BMC81047I**  
**ERROR OPENING REPORT FILE - SWITCHING TO file**  
*Explanation:* Encountered an error opening a file while attempting to create recovery report. The product will automatically switch to the indicated file. See additional messages for more details.  
*User response:* For information only. No action is required.
BMC81048E  INVALID FUNCTION: functionCode - RMD FOR DB2 V versionNumber  REQUIRED REASON= reason

Explanation: The requested function is not valid unless running RECOVERY MANAGER as part of the indicated version of the Recovery Management for DB2 solution or later. Requirements are as follows:

- SIMULATE--requires a valid RMD password
- ESTIMATE--requires a valid RMD password
- CABINET COPY -- requires a valid Recovery Management for DB2 solution password and COPY PLUS and RECOVER PLUS version 810 or later
- ONLINE CONSISTENT COPY--requires a valid Recovery Management for DB2 solution password and can only be set as a group level option
- BACKOUT AUTO -- requires a valid RMD password
- COPY ENCRYPTION -- requires a valid RMD password

User response: Verify that you are using the appropriate solution password and meet the other requirements of the function you selected.

BMC81049W  DATA COLLECTION FILENAME NOT SPECIFIED

Explanation: A data collection file name was not specified. The product cannot perform any data collection during System Recovery Phase 1 recovery.

User response: Specify a file name to use the data collection functionality.

BMC81050E  FILE I/O ERROR error ACCESSING SYNC FILE syncFile

Explanation: A file access error was detected while reading or writing the job synchronization file.

User response: Check job messages for I/O errors.

BMC81051E  START NOT FOUND FOR EVENT event. CANNOT PROCESS STOP.

Explanation: While processing a STOP command for the named event, a START command for the event was not found in the synchronization file.

User response: View the synchronization file, and determine if a preceding job step containing the START command executed successfully.

BMC81052E  START FOR EVENT event ALREADY EXISTS. CANNOT PROCESS START.

Explanation: A START command for the event already exists in the synchronization file, so another START command for the event is not allowed.

User response: View the synchronization file, and determine if a preceding job step contains the same START command in this job or in a related job.
**BMC81053W**

**REPOSITORY HAS** versionNumber **LEVEL OF OPTIONS. UPDATES NOT ALLOWED.**

*Explanation:* The repository contains utility options for the group or subsystem at a higher level than the current code. The level is shown in the message. To avoid losing information from the higher level, updates to the repository from the current level of the product will not be allowed.

*User response:* You may continue with work, but may not save any changes to utility options. Use the version of the product shown to update the group or subsystem utility options.

**BMC81054E**

**REPOSITORY HAS** versionNumber **LEVEL OF OPTIONS. UPDATES NOT ALLOWED.**

*Explanation:* The repository contains utility options for the group or subsystem at a higher level than the current code. The level is shown in the message. Updates to the repository from the current level of the product will not be allowed to avoid losing information from the higher level.

*User response:* You may continue with work but may not save any changes to utility options. Use the version of the product shown to update the group or subsystem utility options.

**BMC81055E**

**UNABLE TO UPDATE A ROW IN bmcTable TABLE. RETRIES=retries:total. SQLCODE=sqlCode.**

*Explanation:* The current process is unable to update a row in the BMC table shown above. The number of retries and the total allowed is shown, as well as the SQLCODE returned from the last attempt.

*User response:* If the failure is not related to maximum retries allowed, see previous SQL messages indicating cause of the failure.

**BMC81056E**

**UPDATE ROW: TABLE tableName FAILED. SQLCODE=sqlCode.**

*Explanation:* The table above had an update failure.

*User response:* See the SQLCODE and any previous SQL error messages to determine the reason for the failure. The cause of the failure must be corrected before this program will be able to continue.

**BMC81057E**

**SELECT ON TABLE tableName FOR field1 AND field2 FAILED. DUPLICATE ROWS.**

*Explanation:* The table above failed during a select for the two fields shown with a -811 return code. This failure indicates that although a SELECT was used, multiple rows were found that satisfied the conditions on the select.

*User response:* These two fields should have resulted in a unique row. Investigate the contents of the table to determine the reason for the duplicate rows.
### BMC81059W
**DATA COLLECTION TURNED OFF: text**

**Explanation:** Data collection functionality for the product was turned off. See information above to determine the reason. Processing will continue without data collection.

**User response:** Contact your BMC sales representative.

### BMC81059I
**DATA COLLECTION TURNED OFF: text**

**Explanation:** Data collection functionality for the product was turned off. See information above to determine the reason. Processing will continue without data collection.

**User response:** Contact your BMC sales representative.

### BMC81060W
**NO JOBS FOUND FOR utilityRunId=id: job STOPPED**

**Explanation:** Data was not collected (no JOB table entries were found) for the recovery identified by the UTILITY_RUN_ID specified above. No information is available for the requested function, so processing is stopped.

**User response:** Contact BMC Customer Support.

### BMC81061I
**JOB job DOES NOT CONTAIN A VALID type TIMESTAMP.**

**Explanation:** The job specified in the message contains an invalid START or END TIMESTAMP.

An invalid START TIMESTAMP can occur if ARMBWDC was called after a DB2 recovery was complete (and stored a valid END timestamp), but the ARMBWDC data collection that should have begun before the DB2 recovery was either not made, or there was a problem with it.

An invalid END TIMESTAMP can occur if data collection failed after the recovery completed.

**User response:** Contact BMC Customer Support.

### BMC81062W
**NO UTILITY_RUN ENTRY FOR DCTOKEN 'token': function STOPPED**

**Explanation:** While trying to perform the requested function, the product found no UTILITY_RUN entries for the specified recovery identifier (DCTOKEN). The UTILITY_RUN entry is required for data collection for a recovery. Processing is stopped.

**User response:** Contact BMC Customer Support.

### BMC81063W
**NO type FOUND. process STOPPED.**

**Explanation:** While trying to generate a report, the product could find no recoveries of the type specified in the message in the Data Collection History files.

**User response:** Verify that the recovery type has been performed and that data was collected. Contact BMC Customer Support if you need assistance.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Description</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC81064W</td>
<td>DB2 RECOVER JOB job END TS PROCESSED, NO MATCHING START TS FOUND</td>
<td>A DB2 RECOVER job completed with a valid END time. However, the product could not find a matching START time in the JOB table. The product inserted a new JOB entry into the JOB table with the START Time NULL, and the END Time as the current time. This entry cannot be used in recovery history report calculations.</td>
<td>Contact your BMC Customer Support.</td>
</tr>
<tr>
<td>BMC81065E</td>
<td>UNABLE TO WRITE DATA TO DC DATASET: dataSetName</td>
<td>The ARMBWDC program was unable to write to the named data collection data set.</td>
<td>Correct any problems with the data collection data set.</td>
</tr>
<tr>
<td>BMC81066W</td>
<td>DATA COLLECTION OFF FOR A RECOVERY ESTIMATION</td>
<td>During a recovery estimation process, ARMBSRR detected that data collection was not active. No data can be collected and stored by RECOVER PLUS, although it can still generate estimation reports.</td>
<td>To collect data about the recovery estimation, correct the settings for data collection in the ARM$OPTS file. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC81067W</td>
<td>text</td>
<td>RECOVERY MANAGER returned an internal error from a request.</td>
<td>Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC81072I</td>
<td>TIME timeStamp FOR MEMBER member GREATER THAN THE CURRENT TIME.</td>
<td>During the Coordinated Disaster Recovery process, the attempt to store the RBA and LRSN into the BMCARM_CRRDRPT DB2 table was bypassed because the CRRDR_POINT was greater than the current time.</td>
<td>Enter a valid timestamp in the CRRDRPT table via the ARMBTSI program or the online product.</td>
</tr>
</tbody>
</table>

**Messages BMC81100 through BMC81199**

This group includes messages for the RECOVERY MANAGER for DB2 product.
**BMC81198W**  
INTERNAL ERROR IN *module: line*

*Explanation:* An unexpected, internal error occurred in the named module at the line identified in the message.

*User response:* Contact BMC Customer Support.

**BMC81199E**  
INTERNAL PROGRAM ERROR IN *module: line*

*Explanation:* An unexpected, internal error occurred in the named module at the line identified in the message.

*User response:* Contact BMC Customer Support.

**BMC81199W**  
INTERNAL PROGRAM ERROR IN *module: line*

*Explanation:* An unexpected, internal error occurred in the named module at the line identified in the message.

*User response:* Contact BMC Customer Support.
Messages BMC89000 through BMC89199

For BMC Product Authorization utility, this chapter describes messages in the range BMC89000 through BMC89199.

Messages BMC89000 through BMC89099

This group includes messages for the BMC Product Authorization utility.

BMC89000A  PASSWORD LIBRARY IS A REQUIRED FIELD.
Explanation: You must specify the password library.
User response: Enter the data set name for the password library, and retry the action.

BMC89001A  PASSWORD IS A REQUIRED FIELD.
Explanation: The action that you requested requires that you specify a password.
User response: Enter the password, and retry the action. If you do not have a password, contact your BMC sales representative.

BMC89002E  PASSWORD MAY NOT CONTAIN BLANK CHARACTERS.
Explanation: A blank is not a valid password character. Valid characters are A to Z (excluding I and O), 0 to 9, @, +, and =.

Note
Some keyboards do not have the “at” sign (@). The asterisk (*) is a synonym for @. You can use these two characters (@ and *) interchangeably when typing passwords.

User response: Correct the password, and retry the action.
BMC89003A  SERIAL NUMBER IS A REQUIRED FIELD.

Explanation: A valid CPU serial number has not been specified. Valid CPU serial numbers consist of five hexadecimal digits. No blanks or special characters are allowed.

User response: Enter a valid CPU serial number, and retry the action.

BMC89004E  SERIAL NUMBER FIELD CONTAINS INVALID CHARACTERS.

Explanation: The specified CPU serial number contains invalid characters. Valid CPU serial numbers consist of five hexadecimal digits. No blanks or special characters are allowed.

User response: Enter a valid CPU serial number, and retry the action.

BMC89005E  SERIAL NUMBER MAY NOT CONTAIN BLANK CHARACTERS.

Explanation: The specified CPU serial number contains a blank character and is invalid. Valid CPU serial numbers consist of five hexadecimal digits. No blanks or special characters are allowed.

User response: Enter a valid CPU serial number, and retry the action.

BMC89006A  MODEL NUMBER IS A REQUIRED FIELD.

Explanation: A valid CPU model number has not been specified. Valid CPU model numbers consist of four hexadecimal digits. No blanks or special characters are allowed.

User response: Enter a valid CPU model number, and retry the action.

BMC89007E  MODEL NUMBER FIELD CONTAINS INVALID CHARACTERS.

Explanation: The specified CPU model number contains invalid characters. Valid CPU model numbers consist of four hexadecimal digits. No blanks or special characters are allowed.

User response: Enter a valid CPU model number, and retry the action.

BMC89008E  MODEL NUMBER MAY NOT CONTAIN BLANK CHARACTERS.

Explanation: The specified CPU model number contains a blank. Valid CPU model numbers consist of four hexadecimal digits. No blanks or special characters are allowed.

User response: Correct the model number, and retry the action.

BMC89009E  DATA SET NAME IS INVALID.

Explanation: The specified data set name is invalid. The data set does not exist, or it is not cataloged.

User response: Correct the data set name, and retry the action.
OPTION IS A REQUIRED FIELD. VALID VALUES ARE 1, 2, 3, 4, OR 5.

Explanation: No menu option has been specified. All functions are suppressed.
User response: Enter a valid option number in the selection field, and retry the action.

INVALID OPTION. PLEASE ENTER 1, 2, 3, 4, OR 5.

Explanation: The specified option is invalid. All functions are suppressed.
User response: Enter a valid option number in the selection field, and retry the action.

OPTION IS REQUIRED. VALID VALUES ARE 1, 2, OR 3.

Explanation: No menu option has been specified. All functions are suppressed.
User response: Enter a valid option number in the selection field, and retry the action.

command IS NOT A VALID COMMAND.

Explanation: The specified command is invalid.
User response: Correct the command, or remove the command from the Command line.

YOU MAY VIEW PRODUCT AUTHORIZATION FOR THIS PRODUCT FROM ONLY ONE LOGICAL SCREEN AT A TIME.

Explanation: Because the Product Authorization utility is open on another panel, you cannot open it.
User response: Use the panel that is currently displaying Product Authorization, or cancel that panel and resubmit the job from this panel.

ERROR DURING DYNAMIC ALLOCATION. PASSWORD LIBRARY WAS NOT ALLOCATED, ERROR CODE=code, INFO. CODE=code, DDNAME=SYSLIB.

Explanation: The Product Authorization interface and the Product Authorization utility were unable to allocate the password library dynamically. For descriptions of the error codes and information codes that the DYNALLOC macro returns, see the IBM book Authorized Assembler Programming Guide and the appendixes of the ISPF Help tutorial panels.

The action fails, or the batch (utility) job terminates.

User response: Verify that you specified the correct data set name for the password library and that the data set exists and is cataloged on DASD. Retry the action. If failure persists, contact BMC Customer Support.
**BMC89022E**  ERROR IN INPUT DSN. PLEASE CONTACT BMC PRODUCT SUPPORT.

*Explanation:* The data set name for the Product Authorization table was not found. All functions are suppressed.

*User response:* If the data set name is wrong, correct it and resubmit the job. If the data set name is correct, contact BMC Customer Support.

**BMC89029I**  PRODUCT AUTHORIZATION TABLE WAS SUCCESSFULLY UPDATED. PRESS ENTER TO CONTINUE.

*Explanation:* The table is updated, and all functions are processed.

*User response:* Press Enter to continue.

**BMC89050E**  THE BMC PRODUCT CODE IS MISSING OR IS INVALID. CHECK PARM= ON JCL EXEC STATEMENT.

*Explanation:* The JCL did not specify a product code (or an invalid product code) in the PARM parameter of the JCL. The password is not processed.

*User response:* Add or correct the product code in the PARM parameter of the JCL EXEC statement. For assistance with syntax, see the applying passwords chapter.

**BMC89051E**  UNRECOGNIZABLE OR INCOMPLETE PARAMETER ON THE CURRENT INPUT CONTROL STATEMENT.

*Explanation:* A parameter on the input control statement is incorrect. The password is not processed.

*User response:* Correct the parameter, and retry the action. For assistance with syntax, see the applying passwords chapter.

**BMC89052E**  MODEL NUMBER CANNOT BE LONGER THAN FOUR CHARACTERS.

*Explanation:* A CPU model number of more than four characters was specified in the batch. CPU model numbers cannot exceed four characters. The password is not processed.

*User response:* Correct the model number, and retry the action. For assistance with syntax, see the applying passwords chapter.

**BMC89053E**  SERIAL NUMBER MUST BE 5 HEXADECIMAL CHARACTERS WITH DELIMITING HYPHEN.

*Explanation:* The CPU serial number must be followed by a delimiting hyphen (-). The password is not processed.

*User response:* Insert a hyphen between the serial number and the model number, and retry the action. For assistance with syntax, see the applying passwords chapter.
**THE FIRST CHARACTER OF THE BMC PRODUCT CODE CANNOT BE A NUMBER. PLEASE CORRECT AND RERUN THE JOB.**

*Explanation:* The first character of the product code is invalid. The password is not processed.

*User response:* Correct the first character of the product code in the PARM field on the JCL EXEC statement. For assistance with syntax, see the applying passwords chapter.

**THE PASSWORD MUST BE FORMATTED AS “PSWD=PPP,PPP,PPP,PPP” OR “PSWD=PPPPPPPPPPPP” OR “PPP PPP PPP PPP.”**

*Explanation:* The password in the batch is incorrect. Use any of the following formats for the password:

- twelve consecutive characters without spaces
- four sets of three characters, with each set separated by a comma or a blank space.

The password is not processed.

*User response:* Correct the password, and resubmit the job. For assistance with syntax, see the applying passwords chapter.

**OPEN FAILURE FOR DDNAME=SYSIN.**

*Explanation:* The Product Authorization utility batch program was unable to open the data set that the SYSIN DD statement specified. The batch program terminates.

*User response:* Correct the data set name in the SYSIN DD statement, and resubmit the job. For assistance with syntax, see the applying passwords chapter.

**MODEL NUMBER CONTAINS INVALID CHARACTERS.**

*Explanation:* At least one character in the CPU model number that you specified in the batch JCL is invalid. Only hexadecimal characters (0 to 9 and A to F) are allowed in the model number. The password is not processed.

*User response:* Correct the model number, and resubmit the job. For assistance with syntax, see the applying passwords chapter.

**SERIAL NUMBER CONTAINS INVALID CHARACTERS.**

*Explanation:* At least one character in the CPU serial number that you specified in the batch JCL is invalid. Only hexadecimal characters (0 to 9 and A to F) are allowed in the serial number. The password is not processed.

*User response:* Correct the serial number, and resubmit the job. For assistance with syntax, see the applying passwords chapter.
BMC89060E

**THIS PASSWORD REQUIRES “NEWCPUID” KEYWORD FOR THE CPU ID TO BE ADDED.**

*Explanation:* The Add password that is being processed requires specification of the NEWCPUID keyword. The password is not processed.

*User response:* Specify the NEWCPUID keyword on your input control statement. For assistance with syntax, see the applying passwords chapter.

BMC89061E

**THIS PASSWORD REQUIRES “OLDCPUID” KEYWORD FOR THE CPU ID TO BE DELETED.**

*Explanation:* The DELETE password that is being processed requires specification of the OLDCPUID keyword. The password is not processed.

*User response:* Specify the OLDCPUID keyword on your input control statement. For assistance with syntax, see the applying passwords chapter.

BMC89062E

**PASSWORD TO UPDATE AN EXISTING CPU ID ENTRY REQUIRES “OLDCPUID” KEYWORD.**

*Explanation:* The UPDATE password that is being processed requires specification of the OLDCPUID keyword. The password is not processed.

*User response:* Specify the OLDCPUID keyword on your input control statement. For assistance with syntax, see the applying passwords chapter.

BMC89063E

**THIS PASSWORD REQUIRES “NEWCPUID” AND “OLDCPUID” KEYWORDS.**

*Explanation:* The REPLACE password that is being processed requires specification of the NEWCPUID and OLDCPUID keywords. The password is not processed.

*User response:* Specify the NEWCPUID and OLDCPUID keywords on your input control statement. For assistance with syntax, see the applying passwords chapter.

BMC89064W

**ERRORS CAUSED TERMINATION. SOME OR ALL REQUESTS DID NOT COMPLETE SUCCESSFULLY.**

*Explanation:* The input data contains one or more errors. Processing terminates at the point of the error.

*User response:* Examine the input control statements for errors. For assistance with syntax, see the applying passwords chapter. If you cannot locate the errors, contact BMC Customer Support for assistance.

BMC89065I

**ALL REQUESTS COMPLETED SUCCESSFULLY.**

*Explanation:* All requested functions have been processed. The product load library is updated.

*User response:* No action is required.
PERMANENT PRODUCT AUTHORIZATION TABLE’S GRACE PERIOD IS INVALID. PLEASE CONTACT BMC PRODUCT SUPPORT.

Explanation: An error occurred that invalidated the table’s grace period. The table must be rebuilt. All functions are suppressed.

User response: Contact BMC Customer Support for assistance.

ISPF V3 REQUIRED. USE BATCH UPDATE PGM INSTEAD.

Explanation: ISPF version 3 (or later) is required to run the online customer interface. The online customer interface terminates.

User response: Use the batch update program.

Messages BMC89100 through BMC89199

This group includes messages for the BMC Product Authorization utility.

INTERNAL ERROR, RC = returnCode. PLEASE CONTACT BMC PRODUCT SUPPORT.

Explanation: A processing error occurred. The function is not performed.

User response: Note the return code, and contact BMC Customer Support for assistance.

PASSWORD CONTAINS INVALID CHARACTERS.

Explanation: The password contains one or more invalid special characters. Valid special characters are @, =, and +. The password is not processed.

User response: Correct the password, and resubmit the job.

PASSWORD CONTAINS ILLEGAL CHARACTERS (I AND/OR O).

Explanation: The password contains the letter I, O, or both. These letters are not permitted in passwords. The password is not processed.

User response: Correct the password, and resubmit the job.

PASSWORD DOES NOT MATCH SERIAL NUMBER AND MODEL NUMBER.

Explanation: The message can have either of the following causes:

- The specified password is not correct for the specified CPU serial number and model number

- The product code in the PARM statement is not correct (applicable only if you used the batch interface).

User response: To obtain your CPU serial and model numbers, log on to the processor and perform one of the following actions:
From the Product Authorization Primary Menu, select the **Display current processor information** option and submit the Product Authorization batch program with the LIST option. For assistance with syntax, see the applying passwords chapter.

From the system console, issue the MVS operator command `D M=CPU`.

Verify that the specified CPU serial number and model number are correct. If the numbers are incorrect, retry the action, specifying the proper numbers. If the numbers are correct, contact BMC Customer Support for assistance.

If you used the batch program, verify that the three-character product code specified in the PARM statement is correct. If the product code is correct, but the job still fails, contact BMC Customer Support for assistance.

**BMC89105E**  
**PASSWORD IS INCORRECT. PLEASE VERIFY AND RE-ENTER THE PASSWORD.**

*Explanation:* The specified password is not correct. The password is rejected.

*User response:* Correct the password and retry the action. If the error persists, contact BMC Customer Support for assistance.

**BMC89106E**  
**COULD NOT FIND THE EXISTING CPU ID ENTRY THAT WAS TO BE DELETED.**

*Explanation:* The Product Authorization utility attempted to delete an entry in the Product Authorization table, but could not find the entries. This error usually indicates that the wrong product library was specified. No changes are made to the Product Authorization table.

*User response:* Enter the correct product load library and retry the action. You can view entries in the Product Authorization table by selecting the **Display product authorization** option or by submitting the Product Authorization batch program with the LIST option.

**BMC89107E**  
**ATTEMPTING TO ADD A CPU ID THAT IS ALREADY IN THE TABLE.**

*Explanation:* This CPU is already authorized for this product. The password is not processed.

*User response:* Determine whether the CPU ID is correct. You might need to display current processor information.

**BMC89108W**  
**PRODUCT IS NOT AUTHORIZED TO EXECUTE. PLEASE ENTER BMC SUPPLIED PASSWORDS.**

*Explanation:* The password library lists no authorized CPUs. The product cannot run.

*User response:* Use a password to add an entry for the correct processor to the product load library.
**BMC89110I**  
**PRODUCT AUTHORIZATION TABLE WAS SUCCESSFULLY BUILT/UPDATED. YOU ARE NOW AUTHORIZED TO EXECUTE THIS PRODUCT ON ANY PROCESSOR UNTIL **mm/dd/yyyy**. PRESS ENTER TO CONTINUE.**  
*Explanation:* The Product Authorization table has been modified to allow execution of this product temporarily (until the indicated date).  
*User response:* No action is required. If you have a permanent license for this product, contact your BMC sales representative to obtain a permanent password.

**BMC89111E**  
**RC=n WHILE ATTEMPTING TO DECODE THE EXPIRATION DATE.**  
*Explanation:* The Product Authorization utility was unable to decode the expiration date because of an internal error. The action fails, or the batch job terminates.  
*User response:* Note the return code, and contact BMC Customer Support for assistance.

**BMC89112W**  
**THERE ARE NO ENTRIES FOR LICENSED PROCESSORS.**  
*Explanation:* The password library lists no authorized CPUs. The product cannot run.  
*User response:* Use a password to add an entry for the correct processor to the password library.

**BMC89113E**  
**DATA SET DOES NOT EXIST OR IS NOT CATALOGED.**  
*Explanation:* The specified password library cannot be found. The action fails, or the batch job terminates.  
*User response:* Correct the data set name for the password library or catalog the data set, and retry the action.

**BMC89114E**  
**OBTAIN ERROR. DATA SET MAY BE ARCHIVED.**  
*Explanation:* The specified password library cannot be found and might be archived. The action fails, or the batch job terminates.  
*User response:* Enter the correct data set name for the password library or restore the data set, and retry the action.

**BMC89115E**  
**DATA SET IS NOT A VALID LOAD LIBRARY.**  
*Explanation:* The specified password library is not a partitioned data set. The Product Authorization interface and Product Authorization utility expect the product load library to be a partitioned data set. The action fails, or the batch (utility) job terminates.  
*User response:* Verify that you specified the data set name for the correct password library. If the data set is not partitioned, check to ensure that the product was correctly installed. Retry the action. If the error persists, contact BMC Customer Support for assistance.
THIS TEMPORARY AUTHORIZATION PASSWORD CONTAINS AN EXPIRATION DATE THAT HAS ALREADY EXPIRED.

Explanation: To be valid, the expiration date for the temporary password must be equal to or greater than the current date. The password is not processed.

User response: Contact your BMC sales representative.

THE PRODUCT AUTHORIZATION TABLE IS FULL. NO NEW CPU IDS CAN BE ADDED.

Explanation: The maximum number of CPUs have been stored in this Product Authorization table. The password is not processed.

User response: If some CPUs in the table are no longer being used, you can delete them to make room for this one. To obtain a DELETE password, contact your BMC sales representative. If no CPUs can be deleted, call BMC Customer Support for assistance.

TEMPORARY AUTHORIZATION PASSWORD DOES NOT CORRESPOND TO THE CURRENT BMC PRODUCT.

Explanation: The temporary authorization in your Product Authorization library is for a product other than the one that you are attempting to run. The product does not run.

User response: Contact BMC Customer Support for assistance.

I/O ERROR WHILE ATTEMPTING TO READ PRODUCT AUTHORIZATION TABLE (DDNAME=SYSLIB).

Explanation: The utility is unable to read the product authorization table. All functions are suppressed.

User response: Retry the action. If the error persists, you might have to rebuild the table. Contact BMC Customer Support for assistance.

COULD NOT FIND THE EXISTING CPU ID ENTRY THAT WAS TO BE REPLACED.

Explanation: An attempt was made to apply a REPLACE password, but the CPU to be replaced in the product authorization table cannot be found. The password is not processed.

User response: The old CPU ID or the password was specified incorrectly. Correct the specification, and retry the action. If the error persists, contact BMC Customer Support for assistance.

PERMANENT PRODUCT AUTHORIZATION TABLE WAS NOT FOUND, BUT THE PASSWORD SPECIFIES A “DELETE” OR “REPLACE” ACTION.

Explanation: An attempt was made to apply a DELETE password or a REPLACE password, but the system cannot locate a product authorization table for this product. The password is not processed.

User response: Contact BMC Customer Support for assistance.
BMC89122E  ATTEMPTING TO ADD A NEW CPU ID TO A NEW TABLE, BUT SERIAL NUMBER AND MODEL NUMBER WERE NOT SPECIFIED.
Explanation: The utility requires the CPU serial number and model number to process the password.
User response: Add the CPU ID and the model number, and resubmit the job.

BMC89123E  PERMANENT PRODUCT AUTHORIZATION TABLE IS INVALID. PLEASE CONTACT BMC PRODUCT SUPPORT.
Explanation: An error invalidated the product authorization table. You must rebuild the table. All functions are suppressed.
User response: Contact BMC Customer Support for assistance.

BMC89124E  TEMPORARY PRODUCT AUTHORIZATION TABLE IS INVALID. PLEASE CONTACT BMC PRODUCT SUPPORT.
Explanation: An error invalidated the product authorization table. You must rebuild the table. All functions are suppressed.
User response: Contact BMC Customer Support for assistance.

BMC89125E  THIS PASSWORD IS NO LONGER VALID. IT CANNOT BE USED TO ACTIVATE OR CHANGE YOUR PRODUCT LICENSE. PLEASE CONTACT YOUR BMC SALES REPRESENTATIVE.
Explanation: The password has expired. The password is not processed.
User response: Contact your BMC sales representative or BMC Customer Support for assistance.

BMC89126E  I/O ERROR WHILE ATTEMPTING TO WRITE PRODUCT AUTHORIZATION TABLE (DDNAME=SYSLIB).
Explanation: A write error occurred. All functions are suppressed.
User response: Verify that the data set name is correct and that the data set is partitioned. If you are unable to resolve the problem, contact BMC Customer Support for assistance.

BMC89127I  PROCESSOR WAS SUCCESSFULLY ADDED TO THE PRODUCT AUTHORIZATION TABLE. YOU ARE NOW AUTHORIZED TO EXECUTE THIS PRODUCT ON SERIAL NUMBER nnnnn, MODEL NUMBER mmmm. PRESS ENTER TO CONTINUE.
Explanation: The ADD password has been processed. The product authorization table was modified to allow this product to run on the CPU that has the specified serial number and model numbers.
User response: No action is required.
### BMC89128I
**PROCESSOR (SERIAL NUMBER \textit{nnnnn}, MODEL NUMBER \textit{mmmm}) WAS SUCCESSFULLY DELETED FROM THE PRODUCT AUTHORIZATION TABLE. PRESS ENTER TO CONTINUE.**

*Explanation:* The DELETE password has been processed. You can no longer run this product on the CPU that has the specified the serial and model numbers.

*User response:* No action is required.

### BMC89129I
**PROCESSOR WAS SUCCESSFULLY REPLACED IN THE PRODUCT AUTHORIZATION TABLE. YOU ARE NOW AUTHORIZED TO EXECUTE THIS PRODUCT ON SERIAL NUMBER \textit{nnnnn}, MODEL NUMBER \textit{mmmm}. PRESS ENTER TO CONTINUE.**

*Explanation:* The REPLACE password has been processed. The CPU with the serial and model numbers indicated is now authorized to use this product.

*User response:* No action is required.

### BMC89130I
**PROCESSOR (SERIAL NUMBER \textit{nnnnn}, MODEL NUMBER \textit{mmmm}) WAS SUCCESSFULLY MODIFIED IN THE PRODUCT AUTHORIZATION TABLE. PRESS ENTER TO CONTINUE.**

*Explanation:* The MODIFY password has been processed. The product authorization table has been modified for the CPU with the specified serial and model numbers.

*User response:* No action is required.

The following error messages might be issued by certain mainframe products during initialization.

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**Note**

Unlike the Product Authorization messages, the runtime messages do not contain the severity code indicator in the last character.
Messages BMC93200 through BMC93999

This chapter includes messages for the PACLOG for DB2 product.

Messages BMC93200 through BMC93299

This group includes messages for the PACLOG for DB2 product.

BMC93201E  UNKNOWN LISTGEN TYPE
Explanation: This is an internal error.
User response: Contact BMC Customer Support.

BMC93202E  DYNAMIC LOAD FAILED UNABLE TO LOAD module
Explanation: The installation program was unable to load the named module.
User response: Check the load libraries in the JOBLIB or STEPLIB. Add the necessary library.

BMC93203E  INVALID FUNCTION CODE functionCode, VERSION version
Explanation: The program was called with a function code that was not recognized. The function code is shown in the message. This may be an internal program error or it may indicate that the calling program is not at a level compatible with the called function.
User response: Check the load libraries being used to ensure that they are the appropriate versions. If you suspect a program problem, contact BMC Customer Support for the product.

BMC93204I  INDEX COPY TABLE NOT FOUND
Explanation: A SQLCODE -204 was returned when trying to access the BMC common index copy table. The synonym BMCARM_IXCOPY has not been set
up to access the table. The options indicate that COPY PLUS 5.1 or later is installed, so an index copy table should exist.

*User response:* The message is informational and may explain why index copies made with BMC utilities are not being located. Use the MAINT and MSGLEVEL(1) parameters of COPY PLUS to identify the index copy table. Create the BMCARM_IXCOPY synonym referencing that table.

**BMC93205E**  
**INVALID TWO PART NAME: name**  
*Explanation:* A two-part name was expected but the token did not contain a period to separate the parts.  
*User response:* Identify the token in error, insert the period, and then run the job again.

**BMC93206I**  
**BMCSSTATS TABLE NOT FOUND**  
*Explanation:* A SQLCODE -204 was returned when trying to access the BMC DASD Manager table. The synonym shown has not been set up to access a table. The options indicate that sizing via BMCSSTATS is desired.  
*User response:* The message is informational and may explain why data set sizing in the JCL is using the product defaults. Check with the BMC product installer to setup the product synonyms on the DASD Manager tables. If you do not wish to use BMCSSTATS for sizing, change the Sizing option to a value other than BMCSSTATS.

**BMC93207E**  
**DSSNAP COPY NOT ALLOWED REASON = reasonCode**  
*Explanation:* The copy selected has STYPE V, which is a DSSNAP copy. The copy cannot be used due to the reason shown. Reason codes:

- 1 - DSNUTILB is the recover utility
- 2 - AFRMAIN version is too low

*User response:* Select another copy or change the utility options.

**BMC93208E**  
**INVALID LIKE CLAUSE GROUP CANNOT COPY ITSELF**  
*Explanation:* The group name following the LIKE clause must be different than the group being created, a group cannot copy itself.  
*User response:* Choose another group name.

**BMC93209E**  
**FIRST KEYWORD MUST BE keyword**  
*Explanation:* The first keyword in the command was not the one shown in the message.  
*User response:* Correct the syntax and resubmit.
**BMC93210E**  
**VALUE** *text* **FOR KEYWORD** *keyword* **is TOO LONG**

*Explanation:* The value entered is too long for the keyword shown.

*User response:* Correct the syntax and resubmit.

**BMC93211I**  
**RE-DOING STEP DUE TO NEW/RESET** The job step will be executed again due to the NEW/RESET parameter.

*Explanation:* The job step will be executed again due to the NEW/RESET parameter.

*User response:* No action is required.

**BMC93212I**  
**SKIPPING STEP DUE TO RESTART**

*Explanation:* The job step will not be executed because the sync file indicates that the step has already executed.

*User response:* No action is required.

**BMC93213W**  
**MISMATCH BETWEEN SSID PARAMETERS**

*Explanation:* The SSID parameter to ARMBEXE does not match the SSID parameter being passed to the PROGRAM via the PARM keyword. ARMBEXE may not be able to correctly terminate in-flight utilities for restart.

*User response:* Verify that the correct SSID is being used for both programs.

**BMC93214E**  
**UNABLE TO EXPAND GDG NAME, RC=** *returnCode*

*Explanation:* A GDG name containing a + was detected, but the program was unable to expand the data set name due to a bad return code from the OSLOCATE. The return code is shown in the message.

*User response:* Verify that the GDG base exists.

**BMC93216I**  
**CANNOT BE OPENED.** *fileName* **WILL CONTAIN VERIFICATION INFORMATION.**

*Explanation:* Either the ARMVRPT DD was not specified could not be opened for printing. The information will be written at the end of the file shown in the message.

*User response:* No action is required.

**BMC93217E**  
**OPTIONS FILE ERROR** FILE= *fileName* FN= *function* CC= *conditionCode*

*Explanation:* A failure occurred during customizable options processing. Condition code information is as follows:

<table>
<thead>
<tr>
<th>Function</th>
<th>Condition Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPEN</td>
<td>200</td>
<td>Module did not load</td>
</tr>
<tr>
<td>OPEN</td>
<td>201</td>
<td>Header information did not match what was expected</td>
</tr>
<tr>
<td>Function</td>
<td>Condition Code</td>
<td>Explanation</td>
</tr>
<tr>
<td>----------</td>
<td>----------------</td>
<td>-------------</td>
</tr>
<tr>
<td>OPEN</td>
<td>202</td>
<td>Version was older than minimum required</td>
</tr>
<tr>
<td>GETKW</td>
<td>300</td>
<td>Keyword match not found</td>
</tr>
<tr>
<td>GETFIRST</td>
<td>100</td>
<td>This is the last keyword,value(s) set found</td>
</tr>
<tr>
<td>GETNEXT</td>
<td>100</td>
<td>This is the last keyword,value(s) set found</td>
</tr>
<tr>
<td>CLOSE</td>
<td>300</td>
<td>End of list - no keyword,value(s) returned</td>
</tr>
</tbody>
</table>

**User response:** Correct the options and try again.

**BMC93218**

**fileNamel VERSN FILE ERROR: REASON = returnCode**

**Explanation:** The product was not able to successfully load the named VERSN file. Either the file was not found, or it was found but the format was incorrect.

**User response:** Correct the VERSN file name.

**BMC93219**

**statusText**

**Explanation:** The exception status of the listed object.

**User response:** See the PACLOG for DB2 Reference Manual for more information about the status.

**BMC93220I**

**solutionName version**

**Explanation:** The name and version of the solution if the product is running as part of a solution.

**User response:** No action is required.

**BMC93221W**

**RESOURCES REPORT MAY BE INCOMPLETE FOR LOGS PAST THE RECOVERY POINT**

**Explanation:** The resources report contains all resources needed up to the recovery point that you specify. If the resolution of inflight units of work involves logs past the recovery point, these logs will not be listed in the report.

**User response:** Ensure that all required logs are available.
BMC93222W  'CAGROUPS YES' INVALID BECAUSE CHANGE ACCUM INSTALL NOT COMPLETE

Explanation:  CAGROUPS YES was specified, but all of the necessary change accumulation objects have not been created. See message BMC93301E that follows for the name of the missing object.

User response:  If change accumulation groups are needed, then ensure that all objects have been created. Otherwise, remove the CAGROUPS YES keyword and resubmit.

BMC93223I  productName versionNumber MAINT: fixNumberList

Explanation:  This message provides the product name and version number, including the solution common code (SCC) information. It also lists the fix numbers applied to the PACLOG and SCC load libraries.

User response:  No action is required.

BMC93289E  name1 FILE name2: FAILED WITH RC= returnCode. **

Explanation:  The program failed with the indicated return code while issuing an OSDYNALLOC command for the specified BSDS file. Processing unable to continue.

User response:  Use the indicated return code to determine and correct the allocation problem.

BMC93291E  text OF FILE fileName: BAD text RCD, LEN= value1, EXPECTED LEN= value2

Explanation:  While reading the BSDS, the returned record length of the specified BSDS file did not match the expected length shown. One possible cause of this situation is that the version of DB2 in use is not supported.

User response:  Verify that the BSDS file specified is the correct version and is not corrupted or otherwise unusable. You can run PRINT LOG MAP against the BSDS file to determine whether the file is corrupted. If PRINT LOG MAP runs successfully, the file is not corrupted but might be a version that is unsupported by PACLOG.

BMC93291W  text OF FILE fileName: BAD text RCD, LEN= value1, EXPECTED LEN= value2

Explanation:  While reading the BSDS, the returned record length of the specified BSDS file did not match the expected length shown. One possible cause of this situation is that the version of DB2 in use is not supported.

User response:  Verify that the BSDS file specified is the correct version and is not corrupted or otherwise unusable. You can run PRINT LOG MAP against the BSDS file to determine whether the file is corrupted. If PRINT LOG MAP runs successfully, the file is not corrupted but might be a version that is unsupported by the product.
**BMC93292E**  
_text OF FILE _fileName_ FAILED _text_. **RTNCODE=** _returnCode_ **RSNCODE=** _reasonCode_  

*Explanation:* The program failed while attempting to access the specified BSDS file. The VSAM return code and reason code are shown in the message.  

*User response:* Determine the cause of the problem based on the reason and return codes, correct the problem, and retry. The severity of the message depends on the type of data that was being accessed.

**BMC93292W**  
_text OF FILE _fileName_ FAILED _text_. **RTNCODE=** _returnCode_ **RSNCODE=** _reasonCode_  

*Explanation:* The program failed while attempting to access the specified BSDS file. The VSAM return code and reason code are shown in the message.  

*User response:* Determine the cause of the problem based on the reason and return codes, correct the problem, and retry. The severity of the message depends on the type of data that was being accessed.

**BMC93293I**  
_SSID=** _ssid_, **RESTARTRBA =** _rba_, **RESTARTRBA TIMESTAMP =** _time_  

*Explanation:* Issued by ARMBGPD when the RESTARTRBA keyword is used. This is an informational message that informs the user what restart RBA will be used for analysis, and to which timestamp that restart RBA corresponds.  

*User response:* No action is required.

**BMC93294W**  
**RESTARTRBA OPTION IGNORED, ALL NEW SPACES WILL BE ADDED**  

*Explanation:* The RESTARTRBA option was ignored by ARMBGPD. This means that all new spaces created since the last run of ARMBGPS will be added, even if they were created after the timestamp associated with the restart RBA. See the subsequent BMC93617 message for the reason that the message was ignored. There may be messages issued before this one that further explain the reason.  

*User response:* If there is the possibility that new spaces were created after the restart RBA point, then you must rerun ARMBGPD when the errors are fixed. Otherwise the delta group created may contain objects that will not exist once the subsystem is restored.

**BMC93295E**  
**callAttachMessage**  

*Explanation:* The above message was issued by the DB2 Call Attach Facility.  

*User response:* Review messages. Refer to the DB2 Messages and Codes manual for further information about the Call Attach error messages.

**BMC93296W**  
**CHANGE ACCUM GROUP IS EMPTY, GROUP NUMBER =** _number_  

*Explanation:* The resulting CHANGE ACCUM group contains no objects. Any attempt to execute R+/CHANGE ACCUM against this group will fail.  

*User response:* Review the CAEXCLUDE specification and correct R+/CHANGE ACCUM JCL jobs as needed.
INDEX CANNOT BE COPIED INDEX= index

Explanation: The index shown was ineligible for index copy and no JCL was generated for this index. Subsequent messages contain detail on why the index could not be copied. The product will continue processing but no JCL will be generated for the named index.

User response: Check the additional messages. Correct any problems found and submit the job again.

REBUILD REQUIRED DUE TO condition

Explanation: The index shown in message BMC93299 was eligible for recovery from an image copy, but a rebuild is required due to the condition shown in this message. Recovery elapsed time may be slower.

User response: This message is for information only. No action is required.

REBUILD REQUIRED FOR INDEX index

Explanation: The index shown was eligible for recovery from image copy, but a rebuild is required due to the condition shown in message BMC93298.

User response: Refer to message BMC93298 for the reason for the rebuild. Recovery elapsed time may be slower due to the rebuild.

Messages BMC93400 through BMC93499

This group includes messages for the PACLOG for DB2 product.

NO MATCHES FOUND

Explanation: The product could not find any DB2 objects that match the list generation criteria.

User response: Check the spelling and the pattern you specified for the list.

MISSING WILD CARD

Explanation: List Generation Services was called to produce a list of names matching a name pattern. The name pattern did not contain a wildcard character. This is an internal program error.

User response: Contact BMC Customer Support for the product.

OBJECT NOT FOUND - objectName NOT IN DB2 CATALOG

Explanation: List Generation Services was called with an object name that was not found in the DB2 catalog. Processing can continue without the information.

User response: Check the spelling of the name. If it is correct, the object may have been dropped.
BMC93402E  OBJECT NOT FOUND - objectName NOT IN DB2 CATALOG
Explanation: List Generation Services was called with an object name that was not found in the DB2 catalog. Processing cannot continue.
User response: Check the spelling of the name. If it is correct, the object may have been dropped.

BMC93403W  NO JCL GENERATED FOR objectName - REASON: reason
Explanation: No JCL will be generated for the named object for the reason given. The product continues processing.
User response: No action is required unless you want to generate JCL for the named object. If you want to generate the JCL you must take appropriate action and run the job again.

BMC93404E  INVALID VSAM CLUSTER - CANNOT ALTER VCAT NAME FROM name
Explanation: The product found an invalid VCAT name. The expected name is shown in the message.
User response: When you specify a new VSAM cluster, use the same VCAT name as the old VSAM cluster name.

BMC93405E  REQUIRES PACLOG - COMPRESS YES INVALID FOR ARMBARC
Explanation: COMPRESS YES can only be selected if PACLOG has been selected as the restore program.
User response: Use COMPRESS NO, or change the program to PACLOG and then select COMPRESS YES.

BMC93406E  SELECT ONE GROUP ONLY ONE ABARS GROUP MAY BE SELECTED
Explanation: A RECOVERY MANAGER group can contain only one ABARS aggregate group. Processing will not continue until only one group is chosen.
User response: Redefine the RECOVERY MANAGER group so that it contains only one ABARS group.

BMC93407E  SELECTION DS ERRORDSN= dataSetName
Explanation: An error was detected in the named ABARS selection data set.
User response: See subsequent messages for more detail.

BMC93408E  SELECTION DS SYNTAX ERROR error
Explanation: The selection data set named in preceding messages contains the syntax error noted in the message. Processing cannot continue until the syntax error is corrected. See the DFSMShsm Storage Administration Guide for more detail on the selection data set syntax.
User response: Correct the syntax error.
BMC93410E  NO ABARS BACKUP ANALYSIS DONE FOR DSN= *datasetName*

Explanation:  RECOVERY MANAGER was unable to perform a backup analysis for the named data set.

User response:  Contact BMC Customer Support for RECOVERY MANAGER.

BMC93411  *text1* TAPE UNIT REQUIRED *text2*

Explanation:  The unit specified must be a tape unit of the following type:

- 3400
- 3480
- 3480X
- 3490
- 3590

User response:  If a disk unit is specified, then 80411E is issued and you must re-specify a valid tape unit. If an unrecognized unit is specified, then 80411W is issued and you must ensure that the value specified has been defined to ABARS via the SETSYS USERUNITTABLE command. Processing can continue.

BMC93412E  *action* FAILED - RECORD TO BE PROCESSED NOT FOUND

Explanation:  The product attempted to update or delete a transaction record that did not exist in the repository.

User response:  Recheck the ARMBTRR syntax and verify that the identified transaction is the correct one.

BMC93413E  NO STATS FOUND - TRANSACTION = *objectName*

Explanation:  The product could not find any analysis statistics for the selected transaction. The product cannot proceed.

User response:  Ensure that the UNDO statistics have been generated for the transaction and then try again.

BMC93414W  CONTINUING DESPITE PREVIOUS ERRORS

Explanation:  An error has been detected but The product has determined that it can continue processing.

User response:  No action is required but you should examine previous error messages.

BMC93415E  FILTER IS BLANK - FILTER MUST BE SPECIFIED

Explanation:  A filter must be specified

User response:  Fill in the filter values.
**BMC93416E**  INVALID FOR ABARS GRP CANNOT CONTAIN NON-ABARS GROUP PATTERNS

*Explanation:* An application group can contain only one ABARS aggregate group and cannot be mixed with non-ABARS group definitions.

*User response:* Check your group definition.

**BMC93417W**  NO COMMAND FOUND

*Explanation:* You have included a //SYSIN in the JCL but no command.

*User response:* Specify a command in the JCL.

**BMC93418E**  NO MATCHES FOUND FOR object AND name

*Explanation:* No objects were found matching the request.

*User response:* Verify that the objects exist and that the name was specified correctly.

**BMC93419E**  n LRECL IS NOT VALID LRECL IS n MUST BE m

*Explanation:* The LRECL of the data set is not valid.

*User response:* Change the LRECL to the value shown.

**BMC93420E**  IDCAMS INPUT ERROR RC = returnCode

*Explanation:* A nonzero return code was received while building IDCAMS control statements. This is generally an internal program error.

*User response:* Contact BMC Customer Support for the product.

**BMC93421E**  NO OUTPUT FROM IDCAMS - DATA SET INFORMATION NOT FOUND

*Explanation:* The output buffer was empty following an IDCAMS request. This is generally an internal program error.

*User response:* Contact BMC Customer Support for the product.

**BMC93422E**  IDCAMS ERROR RC = returnCode

*Explanation:* A nonzero return code was received after invoking IDCAMS.

*User response:* Review related messages for the cause of the problem. Then take appropriate action to rectify the problem.

**BMC93423E**  messageText

*Explanation:* The message shown was issued by IDCAMS.

*User response:* Review any accompanying messages. Refer to the MVS System Messages manual for further information about IDCAMS error messages.
BMC93424E  NO ICF DATA FOR dataSetName
Explanation: The product was unable to retrieve information from the ICF catalog for the named data set. The product cannot continue processing.
User response: If the message is received when running the ARMBSSRR program, verify that the named data set exists and is not archived.

If the message is received when you are using the product online interface and it is not accompanied by an error message, no action is required.

BMC93424W  NO ICF DATA FOR dataSetName
Explanation: The product was unable to retrieve information from the ICF catalog for the named data set. Processing continues without the information.
User response: If the message is received when running the ARMBSSRR program, verify that the named data set exists and is not archived.

If the message is received when you are using the product online interface and it is not accompanied by an error message, no action is required.

BMC93425E  GROUP NOT SAVED REQUESTED PROCESS CANNOT BE DONE
Explanation: The group was not saved. The process cannot be completed.
User response: The group must be saved before the requested process can be completed. Use Save (or Save As) for the group when selecting this process.

BMC93426W  GROUP SAVE ERRORS REQUESTED PROCESS MAY BE INCOMPLETE
Explanation: The group save process encountered errors. The group may not be complete.
User response: Check accompanying messages to diagnose the problem.

BMC93427I  nn AR/CTL RECORDS MATCHED CRITERIA FOR GROUP creator.name
Explanation: The number of AR/CTL records shown matched the group selection criteria.
User response: The message is for information only. No action required.

BMC93428I  nn RECORDS WERE READ FROM THE AR/CTL FILE
Explanation: The number of AR/CTL records shown were read from the AR/CTL file.
User response: The message is for information only. No action required.

BMC93429I  DATASETS MATCHING CRITERIA FOR GROUP groupName
Explanation: The listed data sets match the search criteria.
User response: No action required.
<table>
<thead>
<tr>
<th>Message ID</th>
<th>Description</th>
<th>Explanation</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC93430I</td>
<td><em>messageText</em></td>
<td>This is an informational message.</td>
<td>No action required.</td>
</tr>
<tr>
<td>BMC93431I</td>
<td>DATA SET <em>dataSetName</em> ADDED TO GROUP</td>
<td>The data set named was added to the group.</td>
<td>This message is for information only. No action is required.</td>
</tr>
<tr>
<td>BMC93440I</td>
<td>STATUS IS <em>status</em> FOR OBJECT <em>object</em></td>
<td>Batch JCL generation reports the status of each object in a group.</td>
<td>This message is for information only. No action is required.</td>
</tr>
<tr>
<td>BMC93441E</td>
<td>INVALID TIMESTAMP ORDER. END TIME MUST BE &gt;= START TIME</td>
<td>The End Time must be greater than or equal to the value of Start Time. Timestamp format is YYYY-MM-DD-HH.MM.SS Components may be separated by a hyphen, period, or colon.</td>
<td>Enter a valid time stamp in the format shown.</td>
</tr>
<tr>
<td>BMC93442E</td>
<td>NOT AUTHORIZED TO OPEN PLAN <em>creator.plan</em></td>
<td>Attempting to open the plan, but none of the user's authorization IDs matched the plan's creator or any IDs granted access to the plan. The plan creator or any authorized ID may grant access to other users or to PUBLIC.</td>
<td>Contact the plan creator or any authorized user ID to request access to the plan.</td>
</tr>
<tr>
<td>BMC93443W</td>
<td>GROUP <em>creator.name</em> text</td>
<td>The group no longer exists or the current user ID is not authorized to access it.</td>
<td>Update the plan through the online interface.</td>
</tr>
<tr>
<td>BMC93444E</td>
<td>GROUP(S) MUST EXIST FOR PLAN <em>creator.plan</em></td>
<td>A recovery plan requires at least one group. Processing is stopped. All groups are either missing or not authorized for the current userID.</td>
<td>Update the plan through the online interface.</td>
</tr>
<tr>
<td>BMC93445I</td>
<td>PLAN SAVED THE PLAN WAS SAVED SUCCESSFULLY</td>
<td>The plan has been saved in the repository successfully.</td>
<td>This message is informational. No further action is required.</td>
</tr>
</tbody>
</table>
BMC93446W   PLAN SAVE ERRORS REQUESTED PROCESS MAY BE INCOMPLETE
Explanation: The plan save process encountered errors. The plan may not be complete.
User response: Check accompanying messages to diagnose the problem.

BMC93447E  PLAN NOT FOUND NAME: creator.plan
Explanation: Attempting to open the plan, but it was not found in the repository.
User response: Check the spelling or use wildcard characters in the plan name on Object Specification panel.

BMC93448W  REFERENCE DELETED FOR PLAN creator.plan
Explanation: The utility options deleted were referenced by the plan shown.
User response: The message is for information. You may want to select another set of utility options for that plan.

BMC93449E  I/O ERROR ON ddname FOR function
Explanation: Recovery plan JCL generation separates each job into a partitioned data set member. Input is read from SYSUT1 and partitioned data set members are written to SYSUT2. This message indicates the operation and the DD statement for which an error was detected. Processing stops and a condition code of 8 is returned. Correct the error and rerun the recovery plan JCL generation job.
User response: Correct the error and rerun the recovery plan JCL generation job.

BMC93450E  CANNOT MODIFY PLAN userID NOT AUTHORIZED
Explanation: Attempting to save the plan, but none of the user's authorization IDs matched the plan's creator or any IDs granted access to the plan.
User response: The user's authorization may have been revoked since the time the plan was opened. The plan creator or any authorized ID may grant access to other users or to PUBLIC.

BMC93451E  CANNOT MODIFY PLAN plan TIMESTAMP MISMATCH Current User's TimeStamp: timeStamp Database TimeStamp: timeStamp Database Updated By: userID
Explanation: RECOVERY MANAGER attempted to save the plan, but the plan has been updated by another user since the current user opened it.
User response: Open the plan again to view current status. Make the modification again if it is still required. The user's authorization may have been revoked since the time the plan was opened.
**BMC93452E**  
**DUPLICATE PLAN NAME** *plan* **ALREADY EXISTS**  
*Database Date Created: yyyy.mm.dd.hh:mm:ss*  
*Database Updated By: userId*

**Explanation:** Attempting to save a new plan, but a plan with the same name was found in the repository. The existing plan was created on the date and time shown and was last updated by the user id shown.

**User response:** Change your plan name and save again.

**BMC93453I**  
**PLAN DELETED THE PLAN WAS DELETED**

**Explanation:** The plan was deleted from the repository. No further processing on the plan will be allowed.

**User response:** This message is informational. No further action is required.

**BMC93454E**  
**PLAN NAME REQUESTED DOES NOT EXIST**

**Explanation:** The plan name requested does not exist.

**User response:** Either add this plan or change the name to an existing plan name.

**BMC93455I**  
**NO DIFFERENCES FOUND FOR GROUP** *creator.name*

**Explanation:** The group population was revalidated against the criteria saved in the repository. No changes were detected between the current group population and the results of generating a new list from the stored criteria.

**User response:** This message is informational. No further action is required.

**BMC93456I**  
**SYSUT2 MEMBER** *memberName*

**Explanation:** Recovery plan JCL generation separates each job into a partitioned data set member. This message is followed by one or more BMC93457I messages indicating the objects being recovered by this member.

**User response:** This message is informational. No further action is required.

**BMC93457I**  
**objectName objectType**

**Explanation:** Recovery plan JCL generation separates each job into a partitioned data set member as shown by the BMC93456I message. This message indicates the objects being recovered by this member.

**User response:** This message is informational. No further action is required.

**BMC93458E**  
**TMS GROUP IS INVALID CANNOT HAVE MORE THAN ONE OBJECT**

**Explanation:** A group with a profile that specifies a Tape Management System utility for backup copies cannot have more than one object. The object must be the tape catalog.

**User response:** Select a single object for the group.
**BMC93459I**  
**FOUND CRRPOINT** **timeStamp** **FOR** **system**

*Explanation:* Recovery to CRRPOINT was requested. The most recent timestamp for the system indicated is shown.

*User response:* This message is informational. No further action is required.

---

**BMC93460E**  
**ERROR ACCESSING GROUP** **groupName**

*Explanation:* RMGR attempted to open the group, but either no objects were found for it or else the group's definition does not exist in the repository.

*User response:* This is an unexpected condition. Delete the group.

---

**BMC93462W**  
**NO BACKUPS FOUND FOR GROUP** **groupName**

*Explanation:* The recovery resources report was requested and no backup copies were found for the group and site type.

*User response:* Confirm that the group name and the site type are correct. Also verify that backup copies are being made for the group.

---

**BMC93463W**  
**STATUS IS** **statusType** **FOR OBJECT** **objectName**

*Explanation:* Batch JCL generation reports the status of each object in a group. The object status for the listed object was not OK, and so recover JCL may not have been produced for this object.

*User response:* This message is informational only and requires no action.

---

**BMC93464I**  
**UNABLE TO ALLOCATE TO VOLUME** **volser**

*Explanation:* Unable to allocate a data set on volume named.

*User response:* Ensure user-id has proper authorization.

---

**BMC93465W**  
**VVDS WAS NOT PROCESSED FOR VOLUME** **volser**

*Explanation:* A VVDS may not exist on the volume or the VVDS may be empty.

*User response:* If the VVDS exists and is not empty, contact BMC product support.

---

**BMC93466I**  
**GDG BASE DEFINED FROM** **template** **FOR** **backup**

*Explanation:* A VVDS may not exist on the volume or the VVDS may be empty.

*User response:* If the VVDS exists and is not empty, then contact BMC Customer Support.

---

**BMC93467E**  
**GDG BASE NOT DEFINED FOR** **text**

*Explanation:* The generation data group base was not successfully defined for the reason stated in the message.

*User response:* Provide the missing information or rerun the job with TRACE turned on.
BMC93468E  DUE TO error
Explanation: This message is associated with BMC93466I and BMC93467E.
User response: See associated message.

BMC93469E  INVALID COMBINATION USER DEFINED UTILITIES
Explanation: If user defined utilities are specified, the same utility must be specified for non-VSAM and VSAM.
User response: Correct the information at the current cursor position and then press Enter.

BMC93470E  INVALID SELECTION USER DEFINED UTILITY NOT SPECIFIED
Explanation: A user-defined utility must be specified on the General Utility Options Specification panel to use the requested function.
User response: Define a utility or select another option.

BMC93471W  ERROR ACCESSING RUV GROUP name
Explanation: While attempting to open the group, the product found no objects within the group.
User response: Confirm that the group contains objects or select another group.

BMC93472E  INVALID SELECTION SAVE CANNOT BE DONE AFTER SAVEAS
Explanation: A Save cannot be done after a SaveAs.
User response: Exit the group or retry the SaveAs.

BMC93473W  DATA SET dataSetName WAS NOT PROCESSED ON VOLUME volser
Explanation: A data set may have been deleted or moved to another volume during processing of the VTOC.
User response: If the data set still exists, verify that it is cataloged.

BMC93474W  VTOC WAS NOT PROCESSED FOR VOLUME volser
Explanation: The product was unable to process the VTOC for the named volume.
User response: Contact BMC product support.

BMC93475W  BMC XBM IS NOT AVAILABLE
Explanation: The product cannot access information from XBM that is required to complete the requested action.
User response: Ensure that XBM is installed and operational.
BMC93476I  COMMAND COMPLETE RETURN CODE = returnCode RESPONSE CODE= responseCode

Explanation: The command completed.
User response: See the BMC93477I message for an explanation of non-zero return code.

BMC93477I  messageText

Explanation: This message provides additional information about the command being processed.
User response: No action is required.

BMC93478E  ERROR ALLOCATING REPORT FOR BROWSE

Explanation: The product encountered an error while attempting to open a report in browse mode. Some reasons the report was not found could be:

- the report was not requested or not created.
- the report data set has been deleted.
- the report was sent to SYSOUT and not a data set.
- the report is in exclusive use by another process.

User response: Determine the reason that the report is unavailable and correct the problem.

BMC93479E  FILTER IS EMPTY. EXIT AND DEFINE FILTER.

Explanation: The filter could not be saved because the filter definition is empty.
User response: Exit and create a valid filter to save.

BMC93480E  FILTER IN ERROR. FILTER MUST BE REDEFINED

Explanation: An error was encountered while trying to access the filter.
User response: Deleted and redefine the filter.

BMC93481E  DUPLICATE FILTER NAME name ALREADY EXISTS Database Date Created: date Database Updated By: userID

Explanation: The product attempted to save a new filter, but found a filter with the same name in the repository. The existing filter was created on the date and time shown and was last updated by the user id shown.
User response: Change the name of the new filter and save again.
**BMC93482I**  BACKUP DSN &PREFIX IS RESTRICTED

*Explanation:* If the variable &PREFIX is used, the automatic GDG base creation feature in batch revalidation is not available.

*User response:* No action is required.

**BMC93485I**  objectType objectName

*Explanation:* The change is noted as an addition of a new object or the deletion of an existing object. The object type and two part name are displayed.

*User response:* This message is informational only and requires no action.

**BMC93486I**  FILTER SAVED THE FILTER WAS SAVED SUCCESSFULLY

*Explanation:* The filter has been saved in the repository successfully.

*User response:* This message is informational. No further action is required.

**BMC93487W**  text FOR dataSetName

*Explanation:* A duplicate record was found when processing a DEFINE or no record was found when processing a DELETE or ALTER for the indicated data set. This could be an indication of missing SMF data.

*User response:* Processing continues but the results for that data set should be verified.

**BMC93488E**  FILE I/O ERROR FOR FILE file. ERRNO= num

*Explanation:* The I/O error shown occurred for the named file.

*User response:* Contact BMC Customer Support for the product.

**BMC93489E**  DUPLICATE PARAMETER parameter

*Explanation:* The field at the cursor position is a duplicate.

*User response:* Correct the information at the current cursor position and then press Enter.

**BMC93490E**  DUPLICATE ENTRY

*Explanation:* The field at the cursor position is a duplicate.

*User response:* Correct the information at the current cursor position and then press Enter.

**BMC93491E**  NOT VALID FOR ONLINE LISTING BY CATALOG MUST BE DONE IN BATCH

*Explanation:* Online LISTCAT by CATALOG is not allowed due to the potential of long response times.

*User response:* Perform the LISTCAT in batch.
**BMC93492E**  
**DATASET NOT VALID** *dataSetName*

*Explanation:* The data set at the cursor could not be located or is not the correct type of data set.

*User response:* Ensure the data set exists and is of the correct type.

**BMC93493I**  
**MINREPVR INVALID DEFAULTING TO** *value*

*Explanation:* The MINREPVR option in the Control Information is not valid. The product used the value shown as a default.

*User response:* This message is for information only. However you may want to correct the value entered at the Oldest RMGR version prompt in the product's Subsystem Information in the Control Information.

**BMC93494I**  
**NO C.D.R. POINT TO ESTABLISH**

*Explanation:* No coordinated disaster recovery point with NULL RBA was found in the table.

*User response:* Verify that the process to insert a coordinated disaster recovery point has been performed.

**BMC93496E**  
**OPTIONS INIT FAILED.** *error*

*Explanation:* An error occurred when XBM attempted to register a backup copy with the product.

*User response:* Verify that the RECOVERY MANAGER ARM$OPTS file is allocated correctly to the job. Correct any errors found and resubmit the job.

**BMC93497I**  
**GROUP** *creator.name*

*Explanation:* This is an informational message, displayed when Print Hits is selected for SMF scan.

*User response:* The message is for information only. No action required.

**BMC93498E**  
**CANNOT MODIFY OPTIONS** *creator.name* **NOT AUTHORIZED**

*Explanation:* Attempting to save the Utility Options, but none of the user's authorization IDs matched the group's creator or any IDs granted access to the Utility Options.

*User response:* Obtain proper authorization from an authorized user. The creator or any authorized ID may grant access to other users or to PUBLIC.

**BMC93499E**  
**NOT AUTHORIZED TO OPEN OPTIONS** *creator.name*

*Explanation:* Attempting to open the utility options, but none of the user's authorization IDs had SYSADM authority or matched the option's creator or any IDs granted access to the options.

*User response:* Obtain proper authorization from an authorized user. The options creator or any authorized ID may grant access to other users or to PUBLIC.
Messages BMC93500 through BMC93599

This group includes messages for the PACLOG for DB2 product.

**BMC93500E**

**NOT AUTHORIZED TO OPEN GROUP creator.name**

*Explanation:* The product attempted to open the group, but none of the user's authorization IDs had SYSADM authority, matched the group creator or other IDs granting access to the group.

*User response:* Obtain proper authorization from an authorized user. The group creator or any authorized ID may grant access to the group to other users or to PUBLIC.

**BMC93501E**

**GROUP NOT FOUND - NAME: creator.name**

*Explanation:* The product attempted to open the named group, but could not find it in the repository.

*User response:* Check the spelling or use wildcard characters in the group name you specified in the Group List panel.

**BMC93502E**

**NO OBJECTS IN GROUP creator.name**

*Explanation:* The product attempted to open the group, but no objects were found for it in the repository. This is an unexpected condition.

*User response:* Delete the group.

**BMC93503I**

**GROUP UPDATED - THE GROUP WAS UPDATED SUCCESSFULLY**

*Explanation:* The group has been updated with the changes noted in preceding messages.

*User response:* This message is for information only. No action is required.

**BMC93504E**

**NO CHANGES MADE - GROUP UPDATE FAILED**

*Explanation:* An unsuccessful attempt was made to update the group with the changes noted in preceding messages. The cause of the error is documented in messages issued before this one.

*User response:* This is an unexpected condition. Correct the error, and attempt to update the group again.

**BMC93505E**

**OPTION NOT ALLOWED AS METHOD FOR ADDING OBJECTS**

*Explanation:* You cannot use the selected option to add objects to an existing group.

*User response:* Select a valid option.
BMC93506E  OPTIONS NOT FOUND NAME: creator.name

Explanation: Attempting to open the options, but they were not found in the repository.

User response: Check the spelling or use wild card characters in the name.

BMC93507E  NOT VALID FOR TEMPLATE

Explanation: The action is not available for the option template. The template is not stored in the repository. It is available to use to build a new set of options.

User response: Make another selection.

BMC93508I  MISSING LOG(S) FOR LRSN limit1 TO limit2 FOR MEMBER member

Explanation: In a DB2 data sharing group, the product could not find log records between the limits shown for the named data sharing group member.

User response: This message is for information only. No action is required.

BMC93509I  MISSING LOG(S) FOR LOGRANGE limit1 TO limit 2

Explanation: The product could not find any log records between the limits shown.

User response: This message is for information only. No action is required.

BMC93510I  objectName DSNUM dsNum

Explanation: When performing a revalidation, the product detected a problem with the named object. The problem is specified in the accompanying BMC messages (BMC93511 through BMC93519).

User response: Examine the accompanying messages and determine whether any action is required.

BMC93511I  OBJECT(S) NOT DEFINED TO DB2

Explanation: When performing a revalidation, the product found that the objects named in message BMC93510 were not defined to DB2.

User response: See message BMC93510.

BMC93512I  OBJECT(S) WITH INVALID PARTITION NUMBER

Explanation: When performing a revalidation, the product found that the objects named in message BMC93510 had invalid partition numbers.

User response: See message BMC93510.

BMC93513I  CATALOG OR DIRECTORY OBJECT(S)

Explanation: When performing a revalidation, the product found that the objects named in message BMC93510 were DB2 catalog or directory objects.

User response: See message BMC93510.
BMC93514I  **SHARED READ ONLY OBJECT(S) OWNED BY OTHER SUBSYSTEM**

*Explanation:* When performing a revalidation, the product found that the objects named in message BMC93510 were read-only objects owned by another DB2 subsystem.

*User response:* See message BMC93510.

BMC93515I  **NONCLUSTERING INDEX(ES) REQUIRE DSNUM ALL RECOVERY**

*Explanation:* When performing a revalidation, the product found that the objects named in message BMC93510 were nonclustering indexes. The product will recover these indexes in a DSNUM ALL recovery.

*User response:* See message BMC93510.

BMC93516I  **OBJECT(S) WITH INVALID DATA SET NUMBER**

*Explanation:* When performing a revalidation, the product found that the objects named in message BMC93510 had invalid data set numbers.

*User response:* See message BMC93510.

BMC93517I  **NO ADEQUATE BACKUP REGISTERED FOR OBJECT(S)**

*Explanation:* When performing a revalidation, the product found that the table spaces named in message BMC93510 had no adequate entry in SYSCOPY.

*User response:* See message BMC93510.

BMC93518I  **MISSING RESOURCE(S) FROM MVS CATALOG**

*Explanation:* When performing a revalidation, the product found that the resources named in message BMC93510 were missing from the MVS catalog.

*User response:* See message BMC93510.

BMC93519I  **DATA SET LEVEL RECOVERY OR RECOVER PLUS REQUIRED FOR OBJECT(S)**

*Explanation:* When performing a revalidation, the product found that the table spaces named in message BMC93510 were copied by partition or data set and so cannot be recovered by DSNUTILB.

*User response:* See message BMC93510.

BMC93520I  **OBJECT(S) WITH LOG RANGES NOT COVERED BY AVAILABLE LOG(S)**

*Explanation:* The product could find no log records for one or more objects.

*User response:* This message is for information only. No action is required.

BMC93521I  **messageText**

*Explanation:* Messages BMC93521I through BMC93534I and BMC93536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:
- site type has a value of either LOCAL or RECOVERY.

- *creator.name* is the name of an application group.

*User response:* If more information is needed about the reports, see the product documentation.

**BMC93522**

*messageText*

*Explanation:* Messages BMC93521I through BMC93534I and BMC93536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.

- *creator.name* is the name of an application group.

*User response:* If more information is needed about the reports, see the product documentation.

**BMC93523**

*messageText*

*Explanation:* Messages BMC93521I through BMC93534I and BMC93536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.

- *creator.name* is the name of an application group.

*User response:* If more information is needed about the reports, see the product documentation.

**BMC93524**

*messageText*

*Explanation:* Messages BMC93521I through BMC93534I and BMC93536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.

- *creator.name* is the name of an application group.

*User response:* For more information, see the product documentation.

**BMC93525**

*messageText*

*Explanation:* Messages BMC93521I through BMC93534I and BMC93536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
creator.name is the name of an application group.

User response: If more information is needed about the reports, see the product documentation.

**BMC93526**

**messageText**

Explanation: Messages BMC93521I through BMC93534I and BMC93536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- creator.name is the name of an application group.

User response: If more information is needed about the reports, see the product documentation.

**BMC93527**

**messageText**

Explanation: Messages BMC93521I through BMC93534I and BMC93536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- creator.name is the name of an application group.

User response: If more information is needed about the reports, see the product documentation.

**BMC93528**

**messageText**

Explanation: Messages BMC93521I through BMC93534I and BMC93536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- creator.name is the name of an application group.

User response: If more information is needed about the reports, see the product documentation.

**BMC93529**

**messageText**

Explanation: Messages BMC93521I through BMC93534I and BMC93536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
creator.name is the name of an application group.

User response: If more information is needed about the reports, see the product documentation.

### BMC93530 messageText

Explanation: Messages BMC93521I through BMC93534I and BMC93536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- creator.name is the name of an application group.

User response: If more information is needed about the reports, see the product documentation.

### BMC93531 messageText

Explanation: Messages BMC93521I through BMC93534I and BMC93536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- creator.name is the name of an application group.

User response: If more information is needed about the reports, see the product documentation.

### BMC93532 messageText

Explanation: Messages BMC93521I through BMC93534I and BMC93536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- creator.name is the name of an application group.

User response: If more information is needed about the reports, see the product documentation.

### BMC93533 messageText

Explanation: Messages BMC93521I through BMC93534I and BMC93536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
creator.name is the name of an application group.

**User response:** If more information is needed about the reports, see the product documentation.

**BMC93534**

**messageText**

**Explanation:** Messages BMC93521I through BMC93534I and BMC93536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- creator.name is the name of an application group.

**User response:** If more information is needed about the reports, see the product documentation.

**BMC93535E**

**DYNAMIC BIND FAILED**

**Explanation:** The dynamic bind process has failed. A row in SYSIBM.SYSTABLES may be left with invalid values for DBID and OBID. This may cause failures in the install of other BMC products that share the table. The SPRMCTU bit in DSNZPARM may be on which allows users with the correct DB2 authorization to update any catalog tables and columns. The messages that follow are provided as diagnostic information.

**User response:** Collect all output and contact BMC Customer Support immediately.

**BMC93536I**

**messageText**

**Explanation:** Messages BMC93521I through BMC93534I and BMC93536I are elements (for example, column headers) used in the printed reports generated by the product. In these messages:

- site type has a value of either LOCAL or RECOVERY.
- creator.name is the name of an application group.

**User response:** If more information is needed about the reports, see the product documentation.

**BMC93537E**

**GROUP NOT SAVED REQUESTED PROCESS CANNOT BE DONE**

**Explanation:** The group must be saved before the requested process can be performed.

**User response:** Use Save (or Save As) for the group when selecting this process
**BMC93538I**  
**RELATED OBJECT - NOT RECOVERED - object INSTANCE instance**

*Explanation:* An object related to the object shown in the message could not be recovered. The instance value of the object is displayed only when running on DB2 Version 9 or later and is not valid with compatibility mode.

*User response:* If you want to recover related objects, rebuild the group to include those objects.

**BMC93539W**  
**status PRECLUDES action - object INSTANCE instance**

*Explanation:* The indicated object could not be processed. The action token in the message specifies whether the product was copying or recovering the object. The instance value of the object is displayed only when running on DB2 Version 9 or later and is not valid with compatibility mode.

- If the action RECOVERING is specified, then the object shown in the message could not be recovered to the selected recovery point because its status was other than OK. The message has a severity code of W if the return code specified by UNRCVERR is greater than 4 but less than 7.

- If the action COPYING is specified, then the object shown in the message could not be copied because of the status indicated in the message.

*User response:* See the product documentation for information about object conditions that can prevent backup or recovery and how to respond to them.

**BMC93539E**  
**status PRECLUDES action - object INSTANCE instance**

*Explanation:* The indicated object could not be processed. The action token in the message specifies whether the product was copying or recovering the object. The instance value of the object is displayed only when running on DB2 Version 9 or later and is not valid with compatibility mode.

- If the action RECOVERING is specified, then the object shown in the message could not be recovered to the selected recovery point because its status was other than OK. The message has a severity code of E if the return code specified by UNRCVERR is greater than 7.

- If the action COPYING is specified, then the object shown in the message could not be copied because of the status indicated in the message.

*User response:* See the product documentation for information about object conditions that can prevent backup or recovery and how to respond to them.

**BMC93539I**  
**status PRECLUDES action - object INSTANCE instance**

*Explanation:* The indicated object could not be processed. The action token in the message specifies whether the product was copying or recovering the object. The instance value of the object is displayed only when running on DB2 Version 9 or later and is not valid with compatibility mode.
If the action RECOVERING is specified, then the object shown in the message could not be recovered to the selected recovery point because its status was other than OK. The message has a severity code of I if the return code specified by UNRCVERR is less than 4.

If the action COPYING is specified, then the object shown in the message could not be copied because of the status indicated in the message.

User response: See the product documentation for information about object conditions that can prevent backup or recovery and how to respond to them.

**BMC93540I**  
**GROUP SAVED - THE GROUP WAS SAVED SUCCESSFULLY**  
*Explanation:* The current group has been successfully saved to the repository.  
*User response:* This message is for information only. No action is required.

**BMC93541I**  
**NO CHANGES MADE - THE GROUP WAS NOT SAVED**  
*Explanation:* The current group was not saved in the repository because no changes to group were detected.  
*User response:* This message is for information only. No action is required.

**BMC93542I**  
**GROUP DELETED - THE GROUP WAS DELETED SUCCESSFULLY**  
*Explanation:* The current group has been successfully deleted from the repository.  
*User response:* This message is for information only. No action is required.

**BMC93543I**  
**GROUP DELETED - THE GROUP WAS DELETED SUCCESSFULLY**  
*Explanation:* The current group had not been saved in the repository. It has been deleted from memory.  
*User response:* This message is for information only. No action is required.

**BMC93544I**  
**PERFORMING REVALIDATION FOR GROUP creator.name**  
*Explanation:* Batch group revalidation has been invoked for the group. Any changes to the object list will be noted.  
*User response:* This message is for information only. No action is required.

**BMC93545I**  
**NO DIFFERENCES FOUND - THE GROUP HAS NOT CHANGED**  
*Explanation:* The current group population was revalidated against the criteria saved in the repository. No changes were detected between the current group population and the results of generating a new list from the stored criteria.  
*User response:* This message is for information only. No action is required.
**DIFFERENCES DETECTED DURING REVALIDATION**

*Explanation:* The current group population was revalidated against the criteria saved in the repository. Changes were detected between the current group population and the results of generating a new list from the stored criteria.

*User response:* This message is for information only. However, you should consider revalidating the group and applying the changes.

**objectType objectName DNUM dsNum**

*Explanation:* The change is noted as an addition of a new object or the deletion of an existing object. The object type, two part name, and data set number are displayed.

*User response:* This message is for information only. No action is required.

**objectName**

*Explanation:* The change is noted as an addition of a new object or the deletion of an existing object.

*User response:* This message is for information only. No action is required.

**INVALID CREATOR NAME creator.name - NOT SAVED**

*Explanation:* The group creator name must be one of the user's DB2 authorization IDs, or PUBLIC unless the user has SYSADM authority, or the group is created with PUBLIC as the creator. The product is attempting to save a new group, but none of the user's authorization IDs has SYSADM authority, matched the group's creator or PUBLIC.

The secondary id list may not be available if the program ARMAUTH is not APF-authorized or in an authorized load library.

*User response:* Check with your site's installation personnel. You can use the control information to switch your DB2 primary ID to one of your secondary authorization IDs. This can be done without APF authorization.

**CANNOT MODIFY GROUP creator.name - NOT AUTHORIZED**

*Explanation:* The product attempted to save changes to an existing group but either the user's DB2 authorization IDs did not match the creator name of the group (or did not have SYSADM authority) or the group was not a PUBLIC group. The group creator or any authorized ID may grant access to other users or to PUBLIC. The user's authorization may have been revoked since the time the group was opened.

*User response:* Check with your site's installation personnel. You can use the product's control information to switch your DB2 primary ID to one of your secondary authorization IDs. This can be done without APF authorization.
BMC93551E  CANNOT MODIFY GROUP creator.name TIMESTAMP MISMATCH
User's Timestamp: timeStamp1 Database Timestamp: timeStamp2
Database Updated By: userID

Explanation: The product attempted to save the current group, but the group
has been updated by another user since the current user opened it.

User response: Open the group again to view the current status. Make
modifications again if still required. The user's authorization may have been
revoked since the time the group was opened.

BMC93552E  DUPLICATE GROUP NAME - creator.name ALREADY EXISTS
Database Date Created: date/time Database Updated By: userID

Explanation: The product attempted to save a new group, but a group with the
same name was found in the repository. The existing group was created on the
date and time shown and was last updated by the user ID shown.

User response: Change your group name and save the group again.

BMC93553I  GROUP DELETED - THE GROUP WAS DELETED

Explanation: The current group was deleted from the repository. No further
processing on the group will be allowed.

User response: This message is for information only. No action is required.

BMC93554I  CDR POINT ESTABLISHED AT TIME time RBA/LRSN rba/lrsn

Explanation: A coordinated disaster recovery point has been established at the
time and RBA or LRSN shown. An RBA is selected if the system is non-data
sharing. An LRSN is selected if the system is data sharing.

User response: This message is for information only. No action is required.

BMC93555E  UNABLE TO ESTABLISH C.D.R. POINT point

Explanation: The coordinated disaster point shown could not be resolved from
the log data available.

User response: This is probably an internal error. Contact BMC Customer
Support for the product.

BMC93556I  UTILITY OPTIONS SAVED. THE OPTIONS WERE SAVED SUCCESSFULLY

Explanation: The utility options have been saved in the repository successfully.

User response: This message is informational. No further action is required.

BMC93557E  DUPLICATE OPTIONS NAME creator.name ALREADY EXISTS

Explanation: Attempting to save a new options set, but an options set with the
same name was found in the repository. The existing options set was created
on the date and time shown and was last updated by the user ID shown.

- Database Date Created: date/time
- Database Updated By: userID

User response: Change your options set name and save again.

BMC93558E  CANNOT MODIFY OPTIONS creator.name TIMESTAMP MISMATCH

Explanation: Attempting to save the options, but the options have been updated by another user since the current user opened it.

Current User's Time Stamp: timeStamp

Database Time Stamp: timeStamp

Database Updated By: userID

User response: Open the options again to view current status. Make modifications again if still required.

BMC93559E  NOT AUTHORIZED TO UPDATE SUBSYSTEM DEFAULT RECOVERY OPTIONS

Explanation: You have attempted to save changes to the product's subsystem default recovery options, but you are not authorized. You must have one of the following authorizations:

- installation SYSADM
- SYSADM
- DBADM authority on the product's repository database

User response: You may continue using the options for this session. Contact your DB2 system administrator for authorization.

BMC93560E  INVALID PARAMETER PASSED TO ARMAUTH, RC = returnCode

Explanation: An internal error occurred.

User response: Contact BMC Customer Support.

BMC93561E  SECURITY CHECK FAILED INCONSISTENCY FOUND

Explanation: The product CPU security check failed.

User response: Contact your BMC sales representative.
**BMC93562E**  SECURITY CHECK FAILED RC = returnCode

Explanation: The product security check failed. This failure can occur when the trial period has expired, when you run the product on an unauthorized CPU, or when you access the wrong authorization module.

User response: Check that you have a valid authorization module in your load library concatenation. Contact your BMC sales representative if your trial period has expired.

**BMC93563W**  REFERENCE DELETED FOR GROUP creator.name

Explanation: The utility options deleted were referenced by the group shown.

User response: The message is for information. You may want to select another set of utility options for that group.

**BMC93564E**  PROGRAM OR LIBRARY NOT APF AUTHORIZED, UNABLE TO CONTINUE

Explanation: The executing program found that it is not APF authorized. Either the program is in an unauthorized library or the ARMAUTH program has not been added to the AUTHPGM NAMES section of member IKJTSOxx in SYS1.PARMLIB. The authorization is required, so the program cannot continue.

User response: Contact your systems programmer to authorize the library or move the program to an authorized library. All libraries in the STEPLIB or JOBLIB concatenation must be authorized.

**BMC93565I**  UTILITY OPTIONS DELETED. THE OPTIONS WERE DELETED SUCCESSFULLY

Explanation: The utility options have been deleted from the repository successfully.

User response: This message is informational. No further action is required.

**BMC93566E**  INVALID CREATOR NAME creator.name NOT SAVED

Explanation: The new group could not be saved because your authorization ID does not match the group's creator name. The group creator name must be either PUBLIC or one of your authorization IDs (either the primary or any of your associated group IDs).

User response: Use a different creator name for the group. Check into the security implementation if you were trying to use one of your IDs and the product is not recognizing it.

**BMC93567E**  INVALID CREATOR NAME creator.name NOT SAVED

Explanation: The new Utility Options could not be saved because your authorization ID does not match the group's creator name. The group creator name must be PUBLIC or one of your authorization IDs (either the primary or any of your associated group IDs).

User response: Use a different creator name for the Utility Options. Check into the security implementation if you were trying to use one of your IDs and the product is not recognizing it.
BMC93568E  INVALID PREFIX FOR COPY copyNumber, prefix MATCHES ARCHIVE PREFIX

Explanation: The new prefix specified for the listed archive copy matches the existing prefix for that archive. Duplicate data set names are not allowed.

User response: Change the prefix you specified and run the job again.

BMC93569I  NO plans/packages FOUND

Explanation: The product could not find any plans and/or packages to list for the selected group or object.

User response: Check that you selected the correct group or object. Otherwise, this message is for information only and no action is required.

BMC93570I  COMMAND COMPLETE RC = returnCode

Explanation: The command completed with the specified return code. If the return code is zero, the command completed with no warnings or errors. If the return code is not zero, check previous messages.

User response: Check other messages if the return code is not zero. Otherwise, this message is for information only, and no action is required.

BMC93571I  PROGRAM COMPLETE RC = returnCode

Explanation: The program completed with the specified return code. If the return code is zero, the command completed with no warnings or errors. If the return code is not zero, check previous messages.

User response: Check other messages if the return code is not zero. Otherwise, this message is for information only and no action is required.

BMC93572I  VOLSER DEVTYPETRACKS USED

Explanation: No user explanation is required.

User response: Contact BMC Customer Support.

BMC93573E  TORESTARTRBA SPECIFIED BUT NOT FOUND IN HISTORY FILE.

Explanation: The input specified TORESTARTRBA but no restart RBA was found in the history file.

User response: Check for other warning messages and that ARMBSRR was run before the execution of ARMBGEN.

BMC93574W  ONLY SET COMMAND(S) FOUND IN INPUT

Explanation: The input did not contain any command other than a SET command.

User response: Check the control cards in ARMIN.
**BMC93575E**  **UNTERMINATED COMMAND**

*Explanation:* A command in the ARMIN statement has not been terminated by a semicolon. It was not processed.

*User response:* Correct the syntax and submit the job again.

**BMC93576E**  **ALLOCATION FAILED FOR ddname, ECODE = ecode, ICODE = icode**

*Explanation:* The product attempted to dynamically allocate the named data set but the allocation failed. Additional messages are printed to the job log.

*User response:* Check the additional messages. For an explanation of the ecode and icode values, refer to the IBM authorized assembler services documentation.

**BMC93577E**  **NO ACTIONS SPECIFIED**

*Explanation:* No valid command was found in the input stream or all actions were excluded.

*User response:* Correct the syntax and submit the job again.

**BMC93578E**  **TOKEN token REPEATED OR OUT OF SEQUENCE**

*Explanation:* While parsing the command, the token shown was encountered twice or before a required prerequisite token.

*User response:* Correct the syntax and submit the job again.

**BMC93579E**  **INVALID TOKEN COMBINATION token1 AND token2**

*Explanation:* The tokens shown are not valid together.

*User response:* Correct the syntax and submit the job again.

**BMC93580E**  **INVALID TOKEN token1 FOR token2**

*Explanation:* While parsing the command, the first token shown was encountered when the second token shown was expected.

*User response:* Correct the syntax and submit the job again.

**BMC93581E**  **UNRECOGNIZED COMMAND commandName**

*Explanation:* The product attempted to parse the command, but the first token was not a recognized command.

*User response:* Correct the syntax and submit the job again.

**BMC93582E**  **MISSING PARAMETER parameterName**

*Explanation:* No value was found for the required parameter shown.

*User response:* Add the parameter and submit the job again.
**BMC93583E**  INVALID PARAMETER value FOR parameterName

*Explanation:* The value shown is invalid for the parameter shown.

*User response:* Modify the parameter value and submit the job again.

**BMC93584E**  UNABLE TO OPEN dataSetName.suffix

*Explanation:* The product could not open the named data set.

*User response:* If the data set named in this message is an input archive log (an original DB2 archive log) the most likely cause is one of the following:

- The named data set is not cataloged. Ensure that archive log cataloging is enabled for this DB2 subsystem.

- The named data set is old and is no longer available. In this case the suffix number will be much lower than data sets currently being created. To correct the situation, use the LIMIT keyword to limit processing to logs that are available.

- The named data set is current and should be available. To correct the situation, check the job log for further information about the failure. Use the System Resource recovery to recover the named archive log from the corresponding second copy, and then rerun the job.

If the data set is not an input archive log, check the DD statement and the job messages. If necessary, modify the DD card and submit the job again.

**BMC93585E**  MISSING TOKEN FOR commandName

*Explanation:* The product attempted to parse the command or subcommand shown, but an expected token was not found. The command or subcommand ended before expected tokens were found.

*User response:* Correct the syntax and submit the job again.

**BMC93586E**  INVALID VALUE value FOR idType

*Explanation:* While parsing the command, the invalid value shown was found for the identifier type shown.

*User response:* Check the identifier rules.

**BMC93587I**  PROCESSING VOLUME volser FOR GROUP creator.name

*Explanation:* A group for the volume shown is being created with the name shown.

*User response:* This message is for information only. No action is required.
BMC93588I  GROUP NOT CREATED DUE TO NO OBJECTS FOUND

Explanation:  A group was not created because no DB2 objects were found matching the definition criteria.

User response:  This message is for information only. No action is required.

BMC93589I  TABLE SPACE database.tableSpace DSNUM dsNumber INSTANCE instance INCLUDED IN GROUP

Explanation:  The table space was included in the group because it matched the definition criteria. The instance value of the object is displayed only when running on DB2 Version 9 or later and not in compatibility mode.

User response:  This message is for information only. No action is required.

BMC93590I  INDEX authID.ixName DSNUM n INSTANCE instance INCLUDED IN GROUP

Explanation:  The named index was included in the group because it matched the definition criteria. The instance value of the object is displayed only when running on DB2 Version 9 or later and not in compatibility mode.

User response:  This message is for information only. No action is required.

BMC93591I  PROCESSING GROUP creator.name

Explanation:  The group shown is being processed.

User response:  This message is for information only. No action is required.

BMC93592E  UNRECOGNIZED TOKEN: token

Explanation:  The token shown is not valid for this command syntax.

User response:  Correct the syntax and submit the job again.

BMC93593E  ENDRBA endRba IS NOT GREATER THAN STARTRBA startRba

Explanation:  The values shown are not valid for RBARANGE. The end RBA must be greater than the start RBA.

User response:  Correct the syntax and submit the job again.

BMC93594E  CATALOG FAILED FOR DSNAME dataSetName, RC = returnCode

Explanation:  The product attempted to catalog an archive log data set copy to tape but failed. The return code is from SVC 26. Additional messages are printed to the job log.

User response:  The most likely cause is one of those listed with the message BMC93576E. If there are no messages printed to the job logs, the most likely cause is an internal product error. Make a note of the return code shown in the message and then contact BMC Customer Support for the product.
**BMC93595E**  
**ARCHIVE LOG COPY copyNumber LIST MISSING OR HAS NO ENTRIES**

*Explanation:* The product failed to find any archive logs corresponding to the copy number shown.

*User response:* Check that the SYSUT1 DD statement in the JCL shows the correct BSDS. If it is correct, contact BMC Customer Support for the product.

**BMC93597E**  
**messageText**

*Explanation:* An SQL error occurred while the product was reading the repository.

*User response:* See previous messages for a possible cause, and then take corrective action where feasible.

**BMC93598**  
**OBJECT name IS IN A BAD STATUS: status**

*Explanation:* The named object is in the bad status shown. Processing cannot continue.

*User response:* Correct the status of the object, then retry. See the RECOVERY MANAGER for DB2 Reference Manual for more information about object status.

**BMC93599E**  
**I/O ERROR ON name**

*Explanation:* An I/O error was encountered on the DDNAME or DSNAME shown.

*User response:* If the named resource is an output resource, run the job again. If the named resource is an input resource, take appropriate steps to recover or replace it and then run the job again.

### Messages BMC93600 through BMC93699

This group includes messages for the PACLOG for DB2 product.

**BMC93600W**  
**NO CURRENT LOG VALUES - UNABLE TO OBTAIN VALUES FROM DB2**

*Explanation:* The product attempted to obtain the current settings for BSDS and log data set installation options from DB2 control blocks, but was unsuccessful. Related messages will follow.

*User response:* The product will use the information set at installation time for some system resource information. It will be unable to provide defaults for other fields not saved in its installation options. You may be asked to provide system resource information on subsequent panels.
**BMC93601E**  BAD RC FROM YLOGC _ecode_ - UNABLE TO OBTAIN VALUES FROM DB2

*Explanation:*  The product attempted to obtain the current settings for BSDS and log data set installation options from DB2 control blocks, but received a program error condition code shown in the message.

*User response:*  Contact BMC Customer Support for the product.

**BMC93602E**  NOT VALID FOR TAPE - THE FIELD IS ONLY VALID FOR DISK

*Explanation:*  The product detected from current DB2 control block values or from the product's system options that the archive log data sets are on a tape device. The highlighted field only applies to disk data sets.

*User response:*  Change the archive log settings for ARCONTAPE and ARCONTAP2 in the options file if they are not correct.

**BMC93603E**  NOT VALID FOR DISK - THE FIELD IS ONLY VALID FOR TAPE

*Explanation:*  The product detected (from current DB2 control block values or from the product control information) that the archive log data sets are on a disk device. The indicated field applies only to tape data sets.

*User response:*  Change the archive log settings for ARCONTAPE and ARCONTAP2 in the options file if they are not correct.

**BMC93604E**  NOT VALID FOR TAPE - DATA SETS CANNOT BE RENAMED

*Explanation:*  The product detected from the Control Information that the archive log data set is on a tape device. Tape data sets cannot be renamed.

*User response:*  Select Delete to uncatalog the existing tape data sets. Change the setting for archive logs on tape in the Control Information if your archive is not on tape. Change the archive log settings for ARCONTAPE and ARCONTAP2 in the options file if they are not correct.

**BMC93605E**  DATA SET NAME NOT UNIQUE MATCHES EXISTING DATA SET NAME

*Explanation:*  You specified a data set name to rename a DB2 system resource that you are about to recover. However, the name specified either matches the existing name of the resource data set or it matches the new name given for another copy of the resource.

*User response:*  Review the names of your DB2 system resource data sets through the product control information settings or your DB2 ZPARMS for the subsystem.

**BMC93606E**  INVALID BLOCK SIZE BLOCK SIZE MUST BE A MULTIPLE OF 4096

*Explanation:*  You specified a block size that was not a multiple of 4096.

*User response:*  Specify a value from 4096 through 28672 that is a multiple of 4096.
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<thead>
<tr>
<th>Message ID</th>
<th>Message Description</th>
<th>Explanation</th>
<th>User Response</th>
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<tbody>
<tr>
<td>BMC93607W</td>
<td><strong>ARCHIVE LOG COPY copyNumber IS NOT CATALOGED</strong></td>
<td>The product attempted to process an archive log copy that has not been cataloged. The copy number can be any number from 1 through 4. The product can proceed without the archive log. No JCL will be generated that references the uncataloged archive log.</td>
<td>Check subsequent messages for the archive log data set name. Check subsequent messages to find out what action was taken (or not taken) by the product due to the uncataloged archive log.</td>
</tr>
<tr>
<td>BMC93607E</td>
<td><strong>ARCHIVE LOG COPY copyNumber IS NOT CATALOGED</strong></td>
<td>The product attempted to process an archive log copy that has not been cataloged. The copy number can be any number from 1 through 4. The product cannot proceed.</td>
<td>You should catalog the archive log, and submit the job again. Check subsequent messages for the archive log data set name. Check subsequent messages to find out what action was taken (or not taken) by the product due to the uncataloged archive log.</td>
</tr>
<tr>
<td>BMC93608W</td>
<td><strong>ARCHIVE LOG COPY copyNumber NOT FOUND IN THE file</strong></td>
<td>The product failed to locate an archive log in either the Archive History file or in the BSDS. The copy number can be any number from 1 through 4. The product continues processing without the missing log. No JCL is generated for this log.</td>
<td>Check subsequent messages for the log number, startRba, and endRba of the missing log.</td>
</tr>
<tr>
<td>BMC93608E</td>
<td><strong>ARCHIVE LOG COPY copyNumber NOT FOUND IN THE file</strong></td>
<td>The product failed to locate an archive log in either the Archive History file or in the BSDS. The copy number can be any number from 1 through 4. The product cannot continue.</td>
<td>You should ensure that the missing archive log is recovered and that the archive log history file or BSDS is updated with the archive log name.</td>
</tr>
<tr>
<td>BMC93609I</td>
<td><strong>ACTIVE LOG ALLOCATION SIZES INCREASED DUE TO INITIALIZE ACTIVES OPTION</strong></td>
<td>The INITIALIZE ACTIVES option causes the product to generate JCL to initialize the active logs with the contents of the archive logs. The product calculated that the active logs are not large enough to contain the largest archives and therefore increased the active log sizes.</td>
<td>This message is for information only. No action is required.</td>
</tr>
<tr>
<td>BMC93610I</td>
<td><strong>LOGNUM=logNumber STARTRBA=startRba ENDRBA=endRba</strong></td>
<td>This message gives the log number, start RBA, and end RBA for an archive log reported in a preceding message.</td>
<td>This message is for information only. No action is required.</td>
</tr>
</tbody>
</table>
NO CHANGE LOG INVENTORY STMT GENERATED FOR DSN=\texttt{datasetName}

\textit{Explanation:} Due to an error with the named data set (for example it may not be cataloged), no Change Log Inventory statements will be generated to reference the data set. This information refers to an archive log referenced in a preceding message.

\textit{User response:} See the accompanying messages to determine why the data set is in error.

ARCHIVE LOG DATA SET NAME=\texttt{datasetName}

\textit{Explanation:} This information refers to an archive log referenced in a preceding message.

\textit{User response:} This message is for information only. No action is required.

INVALID UNIT/VOLUME GENERATED AT STEPNUM=\texttt{stepNumber} FOR DSN=\texttt{datasetName}

\textit{Explanation:} An invalid unit or volume name has been generated in the output JCL. The invalid values are flagged in the generated output with a 6-query string (??????) at the indicated JCL step number. This error is usually encountered when the named data set is not cataloged and the product is unable to obtain the name of the unit or volume containing the data set. The product will continue generating the JCL if possible, but the output JCL will not run until the errors are corrected.

\textit{User response:} You may manually correct the generated JCL, or catalog the data set so that the product can find the unit or volume names, and then generate the JCL again.

ARCHIVE LOG HISTORY FILE ERROR. DSN=\texttt{datasetName}

\textit{Explanation:} An error occurred when the product attempted to read the named Archive History file. Most of these errors occur due to incorrect editing of the Archive History file (that is, when deleting or adding logs) after the file was last updated by the product.

\textit{User response:} Run the product's Archive Log Copy program, ARMBARC, again to correctly rebuild the file. If errors persist after the rebuild, contact BMC Customer Support for the product.

LASTRBA=\texttt{lastRba} FROM \texttt{datasetName} NOT FOUND IN file

\textit{Explanation:} The product failed to find an archive log with the named starting RBA value.

If you specified the LASTRBA parameter on the job invocation and also specified OFFSITE YES, the product searched the Archive History file and failed to find an archive log with the starting RBA value specified on the parameter.
If you specified the LASTRBA parameter on the job invocation and also specified OFFSITE NO, the product searched the BSDS and failed to find the archive log with the starting RBA value specified on the parameter.

If you did not specify the LASTRBA parameter, this message was issued because the product failed to find the starting RBA of the last log in the Archive History file.

**User response:** If the problem is with the Archive History file, you may need to submit the Archive Log Copy program ARMBARC to create the necessary copies. If the problem is with the LASTRBA parameter, correct the value and submit the job again.

**BMC93616E**

**VCAT ALIAS NAME TRANSLATION ERROR. ALIAS=** *alias*

**Explanation:** The product was not able to successfully translate the named VCAT alias name. JCL generation is terminated.

**User response:** Ensure that the VCAT specified in the control options is spelled correctly, and then submit the job again.

**BMC93617I**

**REASON=** *reason*

**Explanation:** This message provides a more detailed explanation of a previously issued error or warning message. Check the preceding messages.

**User response:** This message is for information only. No action is required.

**BMC93618E**

**THE OFFSITE NO ARCHIVE2 OPTION REQUIRES DUAL ARCHIVE LOGGING**

**Explanation:** The OFFSITE NO option is not valid for a single logging DB2 system when the ARCHIVE2 keyword is specified or defaulted.

**User response:** You should change the syntax to OFFSITE YES and use the Archive Log Copy program, or run the job on a dual archiving system. If you want to generate JCL referencing the first archive log copy, use OFFSITE NO ARCHIVE1 syntax.

**BMC93619E**

**OFFSITE ARCHIVE LOGS THAT ARE SPANNED AND UNCATALOGED ARE NOT SUPPORTED**

**Explanation:** The disaster recovery job cannot support off-site archive logs that are both uncataloged and spanned. The product cannot generate the appropriate Change Log Inventory NEWLOG statements because the product can not access the starting and ending RBAs of the archive log. Processing will not continue.

**User response:** Catalog the archive logs and then run the job again.

**BMC93620E**

**INVALID OPTION - OFFSITE NO ARCHIVE1 NEEDS CATALOGED ARCHIVES**

**Explanation:** The OFFSITE NO ARCHIVE1 option is not valid when the off-site archives will not be cataloged. The OFFSITE NO ARCHIVE1 option should be
used in the case where the BSDS at the remote site will mirror the local BSDS--
the archives need to be cataloged.

User response: Change the syntax to OFFSITE YES, or ensure that the archives
are cataloged at the remote site.

**BMC93621W** CONTINUING WITHOUT COPY ANALYSIS DUE TO PREVIOUS ERRORS

Explaination: The ARMBSSRR program was not able to successfully perform
copy analysis. It will continue with the JCL generation process, but DDs will
not be generated in the recovery JCL and only a single job will be used.

User response: Check for previous messages to determine the cause of the error.

**BMC93622W** NO COPIES FOUND FOR databaseName.tableSpaceName CONTINUING
WITHOUT COPY ANALYSIS

Explaination: ARMBSSRR was not able to successfully identify an image copy for
the table space shown. The JCL generation process will continue without copy
analysis.

User response: If the space is DBD01, SYSUTILX, or SYSCOPY ensure that you
have run ARMBARC or PACLOG since their last image copy in order to
capture the copy registration from the DB2 log and register it in the product's
History File. Also, check that the COPYTYPE keyword is used as needed to
identify the needed ICBACKUP type. You can run DSNUTILB REPORT
RECOVERY to get a listing of the backup copies registered for the space. Make
a backup copy of the space and run ARMBARC if needed.

**BMC93623W** NOT CONNECTED TO DB2. CONTINUING WITHOUT COPY ANALYSIS

Explaination: ARMBSSRR was not able to successfully identify an image copies
for the DB2 catalog because it is not able to connect to DB2. It will continue JCL
generation without the information.

User response: Ensure that DB2 is available for the next execution of
ARMBSSRR.

**BMC93624I** THE DATE OF THE COPY FOR object IS LOWER THAN OTHER CATALOG
COPIES

Explaination: The ARMBSSRR program found an image copy for the indicated
special space in the History File, but its timestamp is more than 24 hours earlier
than that of other catalog and directory spaces. This might be an indication that
ARMBARC was not run after the last image copy of the special space.

User response: Check the DD for the image copy for the special space if one is
generated. If it is not the most recent copy, run ARMBARC and then run
ARMBSSRR.

**BMC93625E** LOG CONTAINING LASTLRSN IS NOT A QUIESCED ARCHIVE LOG

Explaination: Recovery of a DB2 V4 Data Sharing group requires the recovery
point to be a quiesced archive log with a group scope. The LASTLRSN
specified did not correspond to a quiesced archive log according to the boot
strap information.

User response: Ensure that you have issued a DB2 ARCHIVE LOG
MODE(QUIESCE) command before running ARMBSRR. Remove the
LASTLRSN parameter to let ARMBSRR locate the recovery point. If you cannot
use MODE(QUIESCE), consider upgrading to a later version of DB2.

BMC93627E  LASTRBA IS INVALID FOR DATA SHARING. USE LASTLRSN

Explanation: The LASTRBA parameter was used with ARMBSRR, but is not
allowed for a data sharing subsystem.

User response: Specify LASTLRSN or remove it and let ARMBSRR locate the
last valid recovery point.

BMC93628E  LASTLRSN IS ONLY VALID FOR DATASHARING SYSTEMS

Explanation: The LASTLRSN is only available for data sharing subsystems.

User response: Change the parameter to LASTRBA or remove it and let
ARMBSRR locate the recovery point.

BMC93629E  UNABLE TO UPDATE HISTORY FILE. RC = returnCode, DSN = dataSetName

Explanation: The product was unable to update the named history file. The
return code is shown.

User response: If the data set name is not correct, modify the HISTFILE field in
the ARM$OPTS member.

BMC93630W  INDEXES MAY BE MISSING UNABLE TO OBTAIN VALUES FROM DB2
REASON = reason

Explanation: User defined catalog indexes, if they exist, are not included in the
list of objects to be recovered. The reason for the possible omission is listed.

User response: If you must include these indexes, you must correct the error
and generate the list again.

BMC93631E  UNABLE TO LOCATE CRRPOINT WITHOUT DB2 CONNECTION

Explanation: The CRRPOINT keyword was specified for LASTRBA or
LASTLRSN, but ARMBSRR was not able to connect to DB2 so it could not
locate the information in its DB2 table.

User response: Start DB2 and submit the job again.

BMC93632E  UNABLE TO LOCATE REQUESTED CRRPOINT crrPoint FOR ssid/member

Explanation: The CRRPOINT keyword was specified for LASTRBA or
LASTLRSN, but ARMBSRR was not able to locate it in its table for the
subsystem or member shown.

User response: You can do a SQL SELECT on the table to view its contents. If
you specified a value for CRRPOINT, ensure that it is one in the table or let it
default to the last one.
**BMC93633I** MAXLOGJOBS CHANGED TO \( n \) DUE TO MAXIMUM OF 32 JOBS

*Explanation:* The ARMBSRR program had to decrease the number of maximum log jobs that it could generate per member due to a maximum number of 32 jobs. ARMBSRR will continue processing using the number shown.

*User response:* This message is for information only. No action is required. However, you may want to change the value of MAXLOGJOBS (the maximum number of jobs per member).

**BMC93634E** CRRPOINT TIMESTAMP MISMATCH: `timeStamp1` AND `timeStamp2`

*Explanation:* The CRRPOINT keyword of LASTRBA or LASTLRSN was used, but the requested entry in the DB2 table had timestamps that did not match between members.

*User response:* You may use SQL SELECT to view the contents of the DB2 table.

**BMC93635E** REQUESTED CRRPOINT FOUND BUT RBA IS NULL. RUN ARMBCRC ON `ssid`

*Explanation:* The CRRPOINT keyword of LASTRBA or LASTLRSN was used, but the requested entry in the DB2 table had a NULL in the RBA column. ARMBCRC was not run or did not complete successfully.

*User response:* Run ARMBCRC for the subsystem and then resubmit the ARMBSRR job.

**BMC93636I** number GENERATIONS OF `gdgBase` SEEN

*Explanation:* There were the displayed number of generations of the GDG base shown seen in SMF records matching the selection criteria.

*User response:* No action required.

**BMC93637W** OPTIONS NOT FOUND NAME: `creator.name`

*Explanation:* Attempting to open the options, but they were not found in the repository. The options have been deleted.

*User response:* Make a new options selection.

**BMC93638I** `dataSetName` ALLOCATION PRECEDES REFERENCES - NOT ADDED

*Explanation:* The data set shown was found in the SMF records and matched the selection criteria. It was not added to the group, however, since an SMF allocation record was found also matching the criteria which occurred before any references to the data set. The interpretation of this condition is that the jobs will allocate the data set as needed.

*User response:* If you wish to add this data set to the group, you may do so from the on-line product.
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<th>User response</th>
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<tr>
<td>BMC93639E</td>
<td>INVALID OPTION - NOT ALLOWED WITH HARDWARE MIRRORING</td>
<td><em>Explanation:</em> The Initialize Active Log Yes option is not valid when the hardware mirroring level is 1 or 2.</td>
<td><em>User response:</em> Select the Initialize Active Log No option.</td>
</tr>
<tr>
<td>BMC93640E</td>
<td>INVALID OPTION - NOT ALLOWED WITH HARDWARE MIRRORING</td>
<td><em>Explanation:</em> The Archive Offsite Logs option is not valid when the hardware mirroring level is 1 or 2.</td>
<td><em>User response:</em> Deselect Archive Offsite Logs.</td>
</tr>
<tr>
<td>BMC93641</td>
<td>INVALID OPTION - OPTION NOT VALID FOR SITE TYPE</td>
<td><em>Explanation:</em> A syntax option is not valid for the specified site type.</td>
<td><em>User response:</em> Ensure that when the site type is local, only the first archive copy is specified.</td>
</tr>
<tr>
<td>BMC93642E</td>
<td>RESTORE ARCHIVE2 NOT VALID WITH OFFSITE NO ARCHIVE2 KEYWORD</td>
<td><em>Explanation:</em> The combination of OFFSITE NO ARCHIVE2 and RESTORE ARCHIVE2 is invalid. The OFFSITE NO ARCHIVE2 keyword causes ARMBSRR to rename the logs in the BSDS such that Copy 2 logs become Copy 1 logs. Thus, the RESTORE ARCHIVE2 keyword is invalid because it attempts to restore Copy 2 archive logs that no longer exist in the BSDS.</td>
<td><em>User response:</em> Use RESTORE ARCHIVE1 instead.</td>
</tr>
<tr>
<td>BMC93643I</td>
<td>INITIALIZE ACTIVES IGNORED BECAUSE RESTORE TO DISK OPTION USED</td>
<td><em>Explanation:</em> The combination of INITIALIZE ACTIVES and RESTORE archive diskUnit is invalid. The product ignores INITIALIZE ACTIVES and continues processing.</td>
<td><em>User response:</em> No action is required. However, you may want to remove INITIALIZE ACTIVES to avoid the warning message.</td>
</tr>
<tr>
<td>BMC93644E</td>
<td>UNABLE TO VERIFY CATALOG SPACES WITHOUT CONNECTION TO DB2</td>
<td><em>Explanation:</em> The product could not connect to the DB2 subsystem in order to read the catalog to verify the existence of optional table spaces.</td>
<td><em>User response:</em> Start the DB2 subsystem in order to continue.</td>
</tr>
<tr>
<td>BMC93645I</td>
<td>NO TIMESTAMPS TO PROCESS FOR A C.D.R. POINT</td>
<td><em>Explanation:</em> The product found no timestamps for locating a coordinated disaster recovery point.</td>
<td><em>User response:</em> Provide the required timestamps and rerun.</td>
</tr>
</tbody>
</table>
BMC93646E  CATONLY OPTION REQUIRES VALID LASTRBA OR LASTLRSN PARM
Explanation: The point in time to recover the catalog and directory to must be specified in the LASTRBA or LASTLRSN parm when the CATONLY option is coded.
User response: Specify a valid RBA or LRSN and rerun the job.

BMC93647I  FORMER C.D.R. POINT WAS ESTABLISHED AT TIME time RBA
Explanation: A coordinated disaster recovery point was already established at the time and RBA shown.
User response: This message is informational. No further action is required.

BMC93648I  THE TIMESTAMP timestamp WAS INSERTED FOR SUBSYSTEM ssid
Explanation: The indicated timestamp was inserted into the CRRDRPT table to be used for recovery.
User response: This message is for information only. No action is required.

BMC93649I  process COMPLETE time
Explanation: The named process completed at the time shown.
User response: This message is for information only. No action is required.

BMC93650I  file CREATED FROM source
Explanation: The named file was created from the named source.
User response: This message is for information only. No action is required.

BMC93651I  ALMLIST1 archiveLog1 PROCESSED
Explanation: The archive log copy 1 data set listed has been processed.
User response: This message can be edited to provide input to subsequent steps.

BMC93652I  ALMLIST2 archiveLog2 PROCESSED
Explanation: The archive log copy 2 data set listed has been processed.
User response: This message can be edited to provide input to subsequent steps.

BMC93653I  copy PROCESSED
Explanation: The archive log copy listed has been processed.
User response: This message is for information only. No action is required.

BMC93654I  ALMXPIRE archiveLog NO LONGER IN ARCHIVE HISTORY
Explanation: The archive log copy listed has been deleted from the history file, because it is no longer in the BSDS.
User response: This message is informational only. No action is required.
**BMC93655I**  
*dbidobid*

*Explanation:* The DBIDOBID shown has previously been filtered from this log copy.  
*User response:* This message is informational only. No action is required.

**BMC93656I**  
**RECORD TYPE** type **RECORDS TOTALING** *nn* **BYTES**

*Explanation:* The listed number of records and bytes were found for the record type shown.  
*User response:* This message is informational only. No action is required.

**BMC93657E**  
**HISTORY FILE RBA MISMATCH ON ARCHIVE** archive

*Explanation:* The product encountered an unexpected mismatch between the BSDS and the history file.  
*User response:* It is likely that rerunning the job will not encounter the problem again. If it does occur again, contact BMC Customer Support for the product.

**BMC93658I**  
**NUMBER PERCENT COMPRESSION**

*Explanation:* The compression percentage shown was achieved for this archive log copy.  
*User response:* This message is for information only. No action is required.

**BMC93659W**  
**COMPRESSION STATISTICS NOT AVAILABLE**

*Explanation:* Compression statistics could not be found for this archive log copy. It is possible that the log copy was not successfully compressed. No data has been lost.  
*User response:* Contact BMC Customer Support.

**BMC93663I**  
**dataSetName** start**Time** end**Time** start**Rba** end**Rba**

*Explanation:* The data set that is listed for archive log copy 3 has been created. The start and end time and start and end RBA are also listed.  
*User response:* This message is for information only. No action is required.

This message can be edited to provide input to subsequent steps. It is identified in the messages member of the control data set as 00663I.

**BMC93664I**  
**dataSetName** start**Time** end**Time** start**Rba** end**Rba**

*Explanation:* The archive log copy 4 data set listed has been created. The start and end time and start and end RBA are also listed.  
*User response:* This message is for information only. No action is required. This message can be edited to provide input to subsequent steps. It is identified in the messages member of the control data set as 00664I.
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<th>Message Code</th>
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<th>User Response</th>
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<tbody>
<tr>
<td>BMC93665I</td>
<td>DBNAME OBNAME dbid/obid TYP type RECORDS nn1 BYTES nn2</td>
<td>The listed number of records and bytes were found for the objects shown below.</td>
<td>This message is informational only. No action is required.</td>
</tr>
<tr>
<td>BMC93666I</td>
<td>DBNAME OBNAME dbid/obid TYP type RECORDS nn1 BYTES nn2</td>
<td>Number of records and bytes were found for the objects shown.</td>
<td>This message is informational only. No action is required.</td>
</tr>
<tr>
<td>BMC93667E</td>
<td>RMD SOLUTION FUNCTION REQUESTED BUT NOT AUTHORIZED TO RUN SOLUTION</td>
<td>You ran a CLIST to customize installation options of components of the Recovery Management Solution for DB2, but RECOVERY MANAGER for DB2 is not recognizing solution authorization.</td>
<td>Contact your BMC sales representative.</td>
</tr>
<tr>
<td>BMC93669I</td>
<td>XCA RC=returnCode</td>
<td>BMC Extended Compression Architecture Services ended with the return code shown. Text explanation of the return code is also listed.</td>
<td>This message is informational only. No action is required.</td>
</tr>
<tr>
<td>BMC93670E</td>
<td>XCA RC=returnCode text</td>
<td>BMC Extended Compression Architecture service ended with the return code shown. An explanation of the return code is also shown.</td>
<td>If the return code is 0, no action is required. If the return code is greater than 0, contact BMC Customer Support for PACLOG.</td>
</tr>
<tr>
<td>BMC93671I</td>
<td>FOR DSN=dataSetName</td>
<td>The name of the data set with the XCA return code that is given in message BMC93670 is shown.</td>
<td>This message is for information only. No action is required.</td>
</tr>
<tr>
<td>BMC93672E</td>
<td>INVALID LOG RECORD SEGMENT LENGTH AT RBA rba</td>
<td>A log record segment was encountered that contains a length value that is invalid.</td>
<td>Contact BMC Customer Support for the product.</td>
</tr>
<tr>
<td>BMC93673E</td>
<td>FOUND RBA rba WHILE LOOKING FOR SPECIFIED CDR POINT</td>
<td>The RBA shown was found before the RBA specified in the execute parameter. It is likely that an additional archive log was created after the one containing the specified coordinated disaster recovery point.</td>
<td>Run change log inventory to remove any logs after the one which contains the specified point.</td>
</tr>
</tbody>
</table>
**BMC93674I**  
**PROCESSING DB2 SSID ssid**  
*Explanation:* The product is processing the indicated DB2 subsystem.  
*User response:* No action is required.

**BMC93675W**  
**ALL STEPS SUPPRESSED BY ANALYZE ONLY**  
*Explanation:* The ANALYZE ONLY option is valid only when RECOVER PLUS is used and steps for all other recover utilities are suppressed. No JCL is generated if RECOVER PLUS is not used.  
*User response:* Verify that you are using RECOVER PLUS as the recover utility.

**BMC93676W**  
**recoverType REQUESTED BUT NO OBJECTS SPECIFY BMC RECOVER UTILITY**  
*Explanation:* You requested a recovery estimation or simulation, but none of the objects in the group(s) selected specify RECOVER PLUS as the recover utility. RECOVER PLUS is required for ESTIMATE or SIMULATE.  
*User response:* Specify RECOVER PLUS as the recovery utility for objects in the group or groups.

**BMC93677W**  
**SIMULATE REQUESTED BUT UNABLE TO CREATE SIMULATE NAME FROM copy**  
*Explanation:* You requested a recovery simulation, but the product encountered internal error in attempting to create the simulate copy of the BSDS or active log name. The original data set name is shown in the error message.  
*User response:* Contact BMC Customer Support.

**BMC93678E**  
**READING module LOAD MODULE, KEYWORD keyword RETURNED value - INVALID**  
*Explanation:* While processing the customization installation options, the product encountered a problem with the value of the indicated keyword.  
*User response:* Verify the value of the keyword that you specified. Contact BMC Customer Support.

**BMC93679W**  
**OBJECT object HAS NO VALID IMAGE COPIES IN HISTORY FILE**  
*Explanation:* The product found no valid entries while processing the special space image copies stored in the History File. The product will continue with the recovery process and will attempt to determine which image copy to use by processing the logs. However, if LIMIT LOGS AUTO is in use, the product may process an unusually large number of logs.  
*User response:* No action is required. Contact BMC Customer Support.

**BMC93680W**  
**OBJECT object HAS NO IMAGE COPIES IN HISTORY FILE fileName**  
*Explanation:* While processing the special space image copies stored in the History File, no entries for this object were found. Either no image copies of the
special spaces have been taken, or ARMBARC was not run after the last image copy for this object.

User response: No action is required. Contact BMC Customer Support.

**BMC93681I**

**FOR SUBSYSTEM ssid, JOBS WILL BE ROUTED TO SYSAFF=statement**

**Explanation:** For data sharing systems, a */JOBPARM SYSAFF= statement is generated for JES2 and a /*MAIN SYSTEM= statement is generated for JES3.

**User response:** For JES3 systems, you must specify the JES3NAME option in the .CNTL options for each DB2 subsystem. For JES2 systems where the JES ID is different from the MVS ID, you must specify the JES2NAME option in the .CNTL options for each DB2 subsystem. (If the JES ID is the same as the MVS ID, you do not need to specify this option). You can update these options using the RMGR online interface.

**BMC93682E**

**WRITE FAILED FOR DATA SET dataSetName, RC = returnCode**

**Explanation:** An error occurred during a WRITE operation for the named log range data set. The return code is set to the error number.

**User response:** A potential cause of this error is an incorrect record format or record length. Please check the RECOVERY MANAGER for DB2 Reference Manual for information on the DCB attributes of the log range file.

**BMC93684W**

**RC = returnCode ATTEMPTING TO ADD IMAGE COPY DATA FOR dataSetName**

**Explanation:** The product encountered one of the following errors (denoted by the return code) while attempting to incorporate information about the named image copy into the history file:

- 101: A log record segment was encountered which was not long enough to contain sufficient information to update the history file with the image copy data.

- 102: A log record segment was encountered which was too long to fit in the history file (more than ten volumes in the VOLSER list).

- 105: An image copy was taken of an index on a special table space.

**User response:** This message is for information only. No action is required.

**BMC93685E**

**SYSTEM OBJECT FOUND IN FILTERTS LIST filterts**

**Explanation:** While the program was parsing the FILTERTS list shown, a DB2 catalog or directory object was encountered. Such objects are not eligible for filtering.

**User response:** Remove any catalog or directory objects from the list.
BMC93686E  **TOKEN token HAS INVALID VALUE value**

*Explanation:* While the program was parsing the command, the invalid value shown was specified for the identifier type shown.

*User response:* Check the identifier rules, correct the problem, and submit the job again.

BMC93687E  **ENDRBA endRba IS NOT GREATER THAN STARTRBA startRba**

*Explanation:* The values shown are not valid for RBARANGE. The end RBA must be greater than the start RBA.

*User response:* Check the syntax, correct the RBA in error, and submit the job again.

BMC93688W  **ARC COPY copyNumber NOT IN BSDS:bsds**

*Explanation:* A mismatch between archive log copy 1 and archive log copy 2 was encountered.

*User response:* If you want to process the listed log copy and it still exits, use Change Log Inventory to add it to the BSDS, and then run the job again. If it no longer exists, it must be created/copied from the existing log copy listed before running the job again (the change log inventory is still required).

BMC93689W  **REDO FILE PREVIOUSLY FILTERED - filterType**

*Explanation:* The input archive log copy has already been processed by PACLOG and filtering of the type that is listed has already been done. This run of PACLOG does not request this filtering.

The previous filtering is not undone, so the copies that were created in this run will not contain any data that was previously filtered out.

*User response:* This message is for information only. No action is required.

BMC93690E  **RENAME OR DELETE FAILED FOR dataSetName**

*Explanation:* An error occurred during the rename process in which the original archive log copy is replaced with the processed log copy.

*User response:* Contact BMC Customer Support for the product.

BMC93691W  **ARCHIVEn CREATED FROM FILTERED FILE - filterType**

*Explanation:* The input archive log copy has already been processed by PACLOG, and filtering of the type listed has already been done. This filtering was not specified for the output copy listed.

The previous filtering is not undone, so the copies that were created in this run will not contain any data that was previously filtered out.

*User response:* This message is a warning. No action is required.
BMC93693E  UNCATALOGED ARCHIVE LOG NOT SUPPORTED dataSetName

Explanation: The named input archive log copy was encountered which is not cataloged. Uncataloged archive log copies are not supported.

User response: Ensure that archive log copies to be processed are correctly cataloged and that the BSDS reflects this (the BSDS does not need to reflect the correct unit and/or VOLSER information, only the fact that the archive log copy is cataloged). Run the job again.

BMC93694E  CATALOG FAILED FOR DSNAME dataSetName, RC = returnCode

Explanation: The return code shown was received while attempting to catalog the data set.

User response: Contact BMC Customer Support for the product.

BMC93695E  ARCHIVE LOG COPY num LIST MISSING OR HAS NO ENTRIES

Explanation: BSDS analysis failed to find any archive logs that correspond to the copy number shown.

User response: Ensure that the BSDS that is named in the SYSUT1 DD statement is correct. If it is correct, contact BMC Customer Support for PACLOG.

BMC93696E  ACTIVE LOG COPY num LIST MISSING OR HAS NO ENTRIES

Explanation: BSDS analysis failed to find any active logs that correspond to the copy number shown.

User response: Ensure that the BSDS that is named in the SYSUT1 DD statement is correct. If it is correct, contact BMC Customer Support for PACLOG.

BMC93698I  COPIES IN SYNC COPY 1 AND COPY 2 ARE IN SYNC PACLOG

Explanation: All copy 2 archive logs have a matching copy 1.

User response: This message is informational only. No action is required.

BMC93699E  DATA SHARING NOT SUPPORTED.

Explanation: This version of PACLOG does not support filtering in a data sharing environment.

User response: Install a version of PACLOG that supports filtering in a data sharing environment.

Messages BMC93700 through BMC93799

This group includes messages for the PACLOG for DB2 product.
BMC93793E  ARMAUTH UNABLE TO GET APF INFORMATION FROM DB2
Explanation: An internal error occurred.
User response: Contact BMC Customer Support.

BMC93794E  ARMAUTH UNABLE TO CONNECT TO DB2 FOR DYNAMIC BIND
Explanation: An internal error occurred during dynamic bind processing
User response: Contact BMC Customer Support.

BMC93795I  messageText
Explanation: Used to print a general line to output.
User response: This message is informational only. No action is required.

BMC93796I  NO UPDATE MADE FOR group
Explanation: No updates were made to the indicated group.
User response: This message is informational only. No action is required.

BMC93797I  GROUP CREATED WITH MISSING type RELATION - object
Explanation: The named object has a BASE-LOB or BASE-XML relationship with another object that is not included in the group. This can cause data inconsistency when recovering the group to a point in time.
User response: To include the related object either add it to the group, or recreate the group using the Include LOB or Include XML Objects option.

BMC93798I  BYPASS TERMINATING UTILITY ID utilityID
Explanation: The program found the utility shown but did not terminate it because the catalog and directory were not yet recovered.
User response: This message is informational only. No action is required.

BMC93799I  messageText
Explanation: Used to print a general line to output.
User response: This message is informational only. No action is required.

Messages BMC93800 through BMC93899

This group includes messages for the PACLOG for DB2 product.
**BMC93800E**  REQUIRED VALUE MISSING - A REQUIRED VALUE HAS NOT BEEN ENTERED

*Explanation:*  The field at the cursor position is required.

*User response:*  Type the information required at the current cursor position, and then press Enter.

**BMC93801E**  DUPLICATE ENTRY - CANNOT ADD ENTRY TO LIST

*Explanation:*  The new entry cannot be added to the list because an entry already exists with the same key value.

*User response:*  This message is for information only. No action is required.

**BMC93802E**  CANNOT ADD PART/DSNUM `num` PART/DSNUM `object` IS ALREADY IN LIST

*Explanation:*  PART or DSNUM `0` and an individual PART or DSNUM cannot coexist in a list. The named object already exists in the current list.

*User response:*  This message is for information only. No action is required.

**BMC93803E**  INVALID COMBINATION - *entries* ARE MUTUALLY EXCLUSIVE `text`

*Explanation:*  The field at the cursor position is mutually exclusive with previous entries.

*User response:*  Correct the information at the current cursor position, and then press Enter.

**BMC93804E**  `text` INVALID DATA: `data text`

*Explanation:*  The product encountered the invalid data shown.

*User response:*  Correct the information at the current cursor position, and then press Enter.

**BMC93805E**  VALUE OUT OF RANGE

*Explanation:*  The invalid data reported in message BMC93804E is out of range. It must be in the range displayed by the product.

*User response:*  Correct the information at the current cursor position, and then press Enter.

**BMC93806E**  EXTRANEOUS IDENTIFIER - TOO MANY PARTS

*Explanation:*  The field at the cursor position requires the partition entry displayed by the product.

*User response:*  Correct the information at the current cursor position, and then press Enter.

**BMC93807E**  INVALID ACTION - NOT ALLOWED FOR INDEX

*Explanation:*  This action is valid only for table spaces, not for indexes.

*User response:*  Correct the information at the current cursor position, and then press Enter.
**BMC93808E** | **INVALID COMBINATION - COMMAND AND ACTION(S) NOT ALLOWED TOGETHER**

*Explanation:* A command cannot be entered at the same time as one or more actions are being performed on the list.

*User response:* Correct the information at the current cursor position, and then press Enter.

**BMC93809E** | **INVALID RBA ORDER - END RBA MUST BE value START RBA**

*Explanation:* The value for the end RBA must be greater than or equal to the value of the start RBA.

*User response:* Correct the information at the current cursor position, and then press Enter. For the DSNJU003 NEWLOG function, the STARTRBA value must end with '000' and the ENDRBA value must end with 'FFF'. For the CRESTART function, the START and END RBA can be equal, which indicates a DB2 cold start.

**BMC93810E** | **INVALID DATABASE - NOT A SYSTEM DATABASE**

*Explanation:* The database name entered was not a system database: DSNDB01 or DSNDB06. The function is supported only for system databases.

*User response:* Correct the information at the current cursor position, and then press Enter.

**BMC93811E** | **INVALID SPACE NAME - NOT A SYSTEM INDEX OR TABLE SPACE**

*Explanation:* The space name entered was not a system index or table space. The function is supported only for system spaces found in databases DSNDB01 or DSNDB06.

*User response:* Correct the information at the current cursor position, and then press Enter.

**BMC93812E** | **INVALID LOG RBA - LOG RBA MUST END IN X'FFF'**

*Explanation:* The log RBA does not end in X’FFF’. DB2 requires this value to end in X’FFF’.

*User response:* Correct the information at the current cursor position, and then press Enter.

**BMC93813E** | **BLOCK ACTION INCOMPLETE NO MATCH FOUND FOR SS OR XX**

*Explanation:* A Block Action selection (SS or XX) was encountered without a match. You must enter the action on two lines to identify the block. The action must be the same on both lines.

*User response:* Make sure that Block Actions are correctly paired and then press Enter.
<table>
<thead>
<tr>
<th>Message ID</th>
<th>Description</th>
<th>Explanation</th>
<th>User Response</th>
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</thead>
<tbody>
<tr>
<td>BMC93814E</td>
<td>INVALID RANGE - INVALID INTERVAL BETWEEN START AND END</td>
<td>When specifying a time range for recovery point analysis, you entered an invalid range.</td>
<td>Make sure that the END LIMIT is later than the START LIMIT and that the difference is no more than 7 days.</td>
</tr>
<tr>
<td>BMC93815E</td>
<td>INVALID SELECTION - ICTYPE NOT ALLOWED FOR RECOVERY POINT</td>
<td>The copy type selected is invalid for the specified recovery point. Only image copies or quiesce points can be selected as recovery points.</td>
<td>Select an image copy or quiesce point.</td>
</tr>
<tr>
<td>BMC93816E</td>
<td>INVALID LOG RBA - LOG RBA MUST END IN X'000'</td>
<td>The log RBA does not end in X'000'. DB2 requires this value to end in X'000', that is, it must be an even multiple of 4096.</td>
<td>Use a log RBA that ends in X'000'.</td>
</tr>
</tbody>
</table>
| BMC93817E  | INVALID TIMESTAMP - FORMAT MUST BE 'YYYYDDDDHHMMSSSST' | In the message:  
- **YYYY** indicates the year (1989-2099)  
- **DDD** indicates the day of the year (0-366)  
- **HH** indicates the hour (0-23)  
- **MM** indicates the minutes (0-59)  
- **SS** indicates the seconds (0-59)  
- **T** indicates tenths of a second  
If fewer than 14 digits are specified, trailing zeros are implied.  

**Note**  
You may not specify partial time stamp components, such as only the year. | Correct the format of the time stamp. |
| BMC93818E  | INVALID TIMESTAMP ORDER - END TIME MUST BE >= START TIME | The end time of the time stamp must be greater than or equal to the value of the start time. The time stamp format is YYYYDDDDHHMMSSSST. If fewer than 14 digits are specified, trailing zeros are implied. | Correct the time stamp. |
**BMC93819E**  INVALID CHECKPOINT RBA - RBA MUST BE BETWEEN START AND END RBAS  
*Explanation:* The value of the checkpoint RBA must be greater than or equal to the start RBA and less than or equal to the end RBA.  
*User response:* Correct the value of the checkpoint RBA.

**BMC93820E**  INVALID OFFLOAD RBA - RBA MUST BE \(\leq\) HIGHEST WRITTEN RBA  
*Explanation:* The value of the offload RBA must be less than or equal to the value of the highest written RBA. The offload RBA is the RBA of the last active log record that has been offloaded or written to the archive log.  
*User response:* Use an offload RBA that is less than or equal to the highest written RBA.

**BMC93821E**  MISSING OPTION - SSID ssid OPT option  
*Explanation:* The option shown was not found in the control file.  
*User response:* Verify that the subsystem options are correct.

**BMC93822E**  OPTIONS FILE INIT ERROR RC = returnCode  
*Explanation:* The product was unable to initialize the control information due to the error shown. Use the following information to resolve the problem:  

- RC = returnCode  
- Error message = messageNumber  
- Record number = recordNumberValue  
- Record = recordValue  

*User response:* Correct the problem in the Control Information data set and run the job again. The data set is referenced by the ARMOPTS DD in the CLIST or batch JCL.

**BMC93823E**  INVALID SELECTION - DNUM MISMATCH  
*Explanation:* The data set number or partition of the selected image copy does not match the space being recovered.  
*User response:* Select an alternate image copy or change to recovery by partition.

**BMC93824E**  INVALID SELECTION - BACKUP COPY NOT VALID WITHOUT PRIMARY  
*Explanation:* A copy specification was made without making an appropriate specification for another copy type.  

The following actions are invalid:
- specifying a backup copy without specifying a primary copy
- specifying a remote primary copy without specifying a local primary copy
- specifying no primary copy without specifying no backup copy

**User response:** Specify your copies in one of the following ways:

- To make only a primary copy, set LP to 1.
- To make both primary and backup copies, set both LP and LB to 1.
- To change a primary copy specification from Yes to No, set both LP and LB to 2.

**BMC93825E**  
**INSUFFICIENT ENTRY - PART(S) OF MULTI PART ENTRY ARE MISSING**

*Explanation:* The field at the cursor position requires an entry for the partition.

*User response:* Type the fully qualified name, and then press Enter.

**BMC93826E**  
**INVALID EXPDT - FORMAT MUST BE 'YYYY/DDD' OR 'YY/DDD'**

*Explanation:* The expiration date specified was invalid because the format is incorrect.

*User response:* Type the date using the format YYYY/DDD or YY/DDD where:

- **YYYY** indicates the year (current-2155)
- **YY** indicates the year (current-99)
- **DDD** indicates the day of the year (1-366)

Then press Enter.

**BMC93827E**  
**INVALID COMBINATION - TAPE YES/NO AND UNIT SPECIFICATION**

*Explanation:* TAPE YES or NO cannot be specified without specifying a unit name, nor can the unit be specified without selecting YES or NO for tape.

*User response:* Either provide a unit name or clear the specification for tape; then press Enter.

**BMC93828E**  
**INVALID ACTION - NO SYSCOPY ENTRY TO DISPLAY**

*Explanation:* D is not a valid action without a SYSCOPY row to display.

*User response:* Clear the action field or type L to see a list of available SYSCOPY rows. Then press Enter.
BMC93829E  OPEN FAILED - text
Explanation: A library management open failed with the error named in the message.
User response: Contact BMC Customer Support for the product.

BMC93830E  DUPLICATE NAME - DATA SET NAME ALREADY USED
Explanation: The data set name you entered for renaming a system resource data set matches the current name of a system resource data set or an earlier data set name you entered on the same panel.
User response: Change the name of the data set. To view system resource data set names select Control Information in the Main Menu.

BMC93831E  UPDATE FAILED - COPY TO member ENDED WITH RC=returnCode
Explanation: An ISPF copy to the control file information data set member shown ended with return code shown.
User response: Check the return code information for ISPF function LMCOPY. Make sure that you have UPDATE authority to the control file information.

BMC93832E  INVALID ACTION - NOTHING TO DISPLAY
Explanation: The selected action is not valid for this object.
User response: Delete the action and continue.

BMC93833E  SITE TYPE MISMATCH - BACKUP TYPE DOES NOT MATCH CURRENT SITE
Explanation: Only the backup types shown in the online explanation of this message are valid.
User response: Make a valid selection.

BMC93834E  SELECTION NOT ALLOWED FOR GROUP RECOVERY TO CURRENT
Explanation: Relationships (RI and index) have not been verified. Selection of an alternate recovery point for an object could leave objects in check pending status.
User response: You can continue with the recovery of the working group (objects with status other than OK will not be included). Then, exclude the recovered objects from the working group. Select 1. Recover and a recovery type other than To Current for the remaining objects.

BMC93835E  DATA SET NAME TOO LONG FOR RECOVER PLUS PARTITIONED OUTCOPY
Explanation: Since the partition number must be appended to the data set name, the name specified cannot exceed 39 characters.
User response: Specify a data set name which results in 39 characters or less.
**BMC93836E**  **GDG NOT VALID FOR RECOVER PLUS PARTITIONED OUTCOPY**  
*Explanation:* Because the partition number must be appended to the data set name, generation data groups are not allowed.  
*User response:* Specify a data set name without GDG.

**BMC93837E**  **DATA SET NAME TOO LONG FOR ARCHIVE LOG PREFIX**  
*Explanation:* Because the archive log number must be appended to the data set name, the name specified cannot exceed 35 characters. If TSTAMP is set to Y in the product's control options, the allowable prefix length is reduced to 17 characters to allow the date and time to be appended to the log data set name. If any member of a data sharing group is set to TSTAMP=Y, the prefix length is limited to 17 characters for all members of the group.  
*User response:* Specify a prefix with the correct length.

**BMC93838E**  **INVALID ID - DELIMITED NAME NOT ALLOWED**  
*Explanation:* The delimited name is not valid for the CREATOR, SQLID or Group Prefix (for RMGR-created group names).  
*User response:* Remove the delimiters from the indicated field.

**BMC93839E**  **NO SAVED REQUESTS - JCL GENERATION NOT ALLOWED**  
*Explanation:* JCL generation is not allowed until requests have been saved.  
*User response:* Save requests before JCL generation.

**BMC93840E**  **LM FUNCTION FAILED - RC = returnCode FROM libraryManagementFunction**  
*Explanation:* The return code shown was received from the library management function.  
*User response:* Contact BMC Customer Support for the product.

**BMC93841I**  **UPDATE COMPLETED FOR objectName**  
*Explanation:* The recovery options update was completed for the named object.  
*User response:* This message is for information only. No action is required.

**BMC93842I**  **UPDATE CANCELED FOR objectName**  
*Explanation:* The options update was canceled before completion. No changes were made to the utility options.  
*User response:* This message is for information only. No action is required.

**BMC93843I**  **DELETE COMPLETED FOR objectName**  
*Explanation:* The deletion of the recovery options requested for the named object was completed.  
*User response:* This message is for information only. No action is required.
BMC93844I  UPDATE SUCCESSFUL - CONTROL INFORMATION UPDATED
Explanation: The product's control information was successfully updated.
User response: This message is for information only. No action is required.

BMC93845I  DELETE CANCELED
Explanation: The deletion of the recovery options requested for the named object was canceled.
User response: This message is for information only. No action is required.

BMC93846W  NOTHING TO process - NO OBJECTS ELIGIBLE FOR PROCESSING
Explanation: If you are generating recovery JCL, then there are no objects that have an "OK" status. If you are generating backup JCL, either there are no objects that have an "OK" status, or none of the objects is eligible to be copied.
Indexes are not considered eligible for copy for any of the following reasons:

- The Copy Index Spaces recovery option is not set
- If backing up using DSNUTILB, the COPY option is not set
- If backing up using BMC utilities, the utility must be at a level that supports index backup.

User response: Determine why the objects are not eligible for processing.

BMC93847E  INVALID TIMESTAMP - DATA DOES NOT MATCH TIMESTAMP FORMAT
Explanation: If you are not using extended time stamps, then the format should be D yyddd.T hhmmss.t:

- yy indicates the year (two digit)
- ddd indicates the day of the year (1-366)
- hh indicates the hour (0-23)
- mm indicates the minutes (0-59)
- ss indicates the seconds (0-59)
- t indicates tenths of a second

If you are using extended time stamps, then the format should be D yyyyddd.T hhmmss.t.

User response: Type the time stamp in the correct format using the prefixes shown in the message. Then, press Enter.
BMC93848E  **JOBCARD TOO LONG - COULD EXCEED 72 CHARACTERS**

*Explanation:* The pattern defined for the job card could result in a length of greater than 72 characters upon evaluation of the symbolics.

*User response:* Shorten the card image, remove symbolics, or split the image into multiple card images.

BMC93849E  **INVALID JOBNAME - JOBNAME MUST CONTAIN JOB# SYMBOLIC**

*Explanation:* The job name does not contain any of the valid job number symbolics. To allow generation of more than one job, the job name must contain at least one digit of variable job number.

If the message is issued for an ARMBSRR disaster recovery job, verify that the data set used in the ARMJ Cin DD statement has at least two digits of variable job numbers (&##).

*User response:* Include one of the following symbolics in the job name:

- &# (low order 1 digit of the job number)
- &## (low order 2 digits of the job number)
- &### (low order 3 digits of the job number)
- &#### (low order 4 digits of the job number)

BMC93850I  **dataSetName2 CREATED FROM dataSetName1**

*Explanation:* The product created a copy (dsn2) of the archive log (dsn1) shown in the message.

*User response:* This message is for information only. No action is required.

BMC93851E  **INVALID COMBINATION - ENTRY/CONTROL INFO MUTUALLY EXCLUSIVE**

*Explanation:* The information in the field at the cursor position is mutually exclusive with the information specified in the product's control information.

*User response:* Correct the information at the current cursor position and then press Enter.

BMC93852E  **INVALID COMBINATION - MUTUALLY EXCLUSIVE WITH OFFSITE ARCHIVE**

*Explanation:* The field at the cursor position is mutually exclusive with what is specified for use with offsite archives. When using archive copy 1 or 2, no more than one copy can be restored to disk.

*User response:* Correct the information at the current cursor position, and then press Enter.
BMC93853E  **RESETMOD 'NO' IS REQUIRED**

Explanation: For incremental copies (FULL NO), RESETMOD YES is not valid with CUMULATIVE NO or with READTYPE FULLSCAN.

User response: For SHRLEVEL CHANGE, RESETMOD YES is not valid in COPY PLUS versions earlier than 5.5. Specify RESETMOD NO or change other values first.

BMC93854E  **RUNSTATS NOT ALLOWED FOR INCREMENTAL BACKUPS (FULL NO)**

Explanation: The product found a request to update DB2 statistics while processing an incremental copy request. Statistics updates require a full pass of the table space.

User response: Specify RUNSTATS NO. If you want to run RUNSTATS for the space, then you must go back and change the copy type to FULL YES before specifying the RUNSTATS value.

BMC93855E  **INVALID COMBINATION FOR RUNSTATS OPTIONS**

Explanation: RECOVERY MANAGER found an invalid combination of RUNSTATS options while making a full image copy.

User response: Statistics must be reported and/or updated. If RUNSTATS is selected, you must also select reporting, updating, or both.

BMC93856E  **INVALID JOBCARD JOB KEYWORD NOT FOUND AS EXPECTED**

Explanation: Either the job card provided did not contain a line with the JOB keyword, or the line was not in the expected format.

User response: Check the job card you provided. There should be a line in the following format:

```
// jobName JOB
```

Note that there should not be any characters preceding the //.

BMC93857E  **INVALID JOBCARD REASON=reason**

Explanation: The job card provided contained an error for the reason shown.

User response: Check the job card you provided and correct the error.

BMC93858E  **SELECTION NOT ALLOWED WITH DESCRIPTION UPDATE**

Explanation: The field at the cursor position is not required for group description update.

User response: Delete the value in the field at the cursor position.
BMC93859W  UNABLE TO EVALUATE ARCHIVE archiveLog BECAUSE DATES ARE ZERO
Explanation: The archive log has zeros as the start and end dates and cannot be used to try and find an RBA.
User response: If possible, use Change Log Inventory and enter correct dates.

BMC93860E  ERROR IN RESOLVING RBA IN ARCHIVE archiveLog
Explanation: This archive log or the previous archive may have invalid start or end dates. One of the archives cannot be used to try and find an RBA.
User response: If dates are in error, use the Change Log Inventory utility and enter correct dates.

BMC93861E  INVALID WORK FILE NAME
Explanation: The work file database name must not begin with DSNDB in the data sharing environment, unless it is DSNDB07. This message is also issued if the DB2 subsystem is a member of a data sharing group and the group member name is not entered on the RMGR panel.
User response: Correct the work file database name or add the group member name, as needed.

BMC93863E  INVALID DATA ONLY VALID FOR DB2 DATA SHARING
Explanation: A value has been specified in a field that only applies to data sharing subsystems. The Control Information indicates that the current subsystem is not data sharing.
User response: Clear the field or correct the Control Information if it is incorrect.

BMC93864E  INVALID LRSN ORDER - END LRSN MUST BE >= START LRSN
Explanation: The value for the ending LRSN must be greater than or equal to the value of the starting LRSN.
User response: Correct the information at the current cursor position, and then press Enter.

BMC93865E  NO SAVED REQUESTS - UNABLE TO GENERATE THE JCL
Explanation: No requests have been saved, so the JCL cannot be generated.
User response: Save at least one request before attempting to generate JCL.

BMC93866E  INVALID SELECTION - RECOVER type AND TO COPY NOT ALLOWED
Explanation: Recover to copy cannot be specified with either the backout option or the log only option. These are mutually exclusive options.
User response: Select a recovery point other than an image copy.
BMC93867E  ONLY ONE PATTERN ALLOWED

Explanation: More than one table space name or pattern was specified but only one is allowed.

User response: Change the table space syntax to include only one pattern, Use the online interface to build more complex groups.

BMC93868I  numberSpaces SPACES DO NOT HAVE DB2 CATALOG STATISTICS.

TOTAL SPACES PROCESSED = numberProcessed

Explanation: The product found that the number of spaces indicated had -1 in the NACTIVE column of SYSIBM.SYSTABLESPACE. The total number of spaces that were processed is also displayed. The optimization process will not be optimal due to the missing information.

User response: Use the RUNSTATS utility or COPY PLUS with RUNSTATS YES to collect statistics and update the DB2 catalog.

BMC93870E  INVALID TIMESTAMP FORMAT MUST BE ‘YYYY-MM-DD-HH.MM.SS’

Explanation: The time stamp has an invalid format. The format must be as shown in the message where:

- YYYY indicates the year (1989-2099)
- MM indicates the month of the year (01-12)
- DD indicates the day of the month (01-31 and valid)
- HH indicates the hour (00-23)
- MM indicates the minutes (00-59)
- SS indicates the seconds (00-59)

Components may be separated by a hyphen, period, or colon.

User response: Correct the format.

BMC93871W  GROUP CREATED BY ARMBGPS NOT REVALIDATED BY THIS METHOD

Explanation: The group was created by ARMBGPS. Neither ARMBGPV nor the online process can determine the contents of the group. Revalidation was not performed.

User response: If you are preparing to generate recovery JCL, use ARMBGPD to identify differences between the current DB2 catalog and the stored groups. If you are setting up the groups, use ARMBGPS and then make a new set of backup copies to match the groupings.
BMC93872E

GROUP CREATED BY ARMBGPS CANNOT HAVE OBJECTS ADDED

Explanation: The group was created by ARMBGPS. Adding more objects to the group is not allowed by this method.

User response: If you are preparing to generate recovery JCL, use ARMBGPD to identify differences between the current DB2 catalog and the stored groups. If you are setting up the groups, use ARMBGPS and then make a new set of backup copies to match the groupings.

BMC93873E

INVALID SELECTION: explanation

Explanation: Entries in fields are incompatible with each other.

User response: See the replacement text above to see what fields are incompatible with each other. Correct your entries and retry.

BMC93874E

GDG NOT VALID FOR COPY PLUS DSSNAP DATASET NAME

Explanation: Since the DSSNAP request will result in .D or .DATA appended to the data set name, generation data groups are not allowed.

User response: Specify a data set name without a GDG.

BMC93875E

DATA SET NAME TOO LONG FOR COPY PLUS DSSNAP DATASET NAME

Explanation: Since the DSSNAP processing will result in .D or .DATA appended to the data set name, the name specified cannot exceed 39 characters. Note that all symbolic variables are expanded with the maximum number of characters possible for that variable.

User response: Specify a data set name which evaluates to 39 characters or less.

BMC93876I

subsystemName statusIndicator LAST LOG= dataSetName

Explanation: This message documents the status of the archive log offload task for a specify subsystem. The first token is the subsystem name. The second token may optionally contain a status indicator such as OFFLOADED or NOT OFFLOADED. The last token is the data set name of the last archive copy 1 log for the subsystem.

User response: No action required.

BMC93877I

command ISSUED dataSetName

Explanation: The DB2 command named in the message has been issued. Depending upon the command, additional information such as the command return code will be given.

User response: This message is for information only. No action is required.

BMC93878I

ARCHIVE OFFLOAD COMPLETE

Explanation: The archive offload task has completed. See previous messages to find the name of the most recently archived log for the subsystem.

User response: This message is for information only. No action is required.
OFFLOAD TASK DID NOT COMPLETE, REASON=reasonCode

Explanation: The archive offload task did not complete. There are several possible reasons why the ARCHIVE LOG command did not complete:

1 RETRIES EXHAUSTED--The command was issued, but did not complete before we exhausted the retries. Look for the DSNJ139 command on the console to tell when the command is complete.

2 NO SYSTEM WIDE QUIESCE--The product always issues an ARCHIVE LOG MODE(QUIESCE) command for DB2 V4. The command was not completed because DB2 cannot take a system wide quiesce if any member is in a failed status. See preceding messages to pinpoint the subsystem id.

User response: If RETRIES EXHAUSTED is the reason that the command did not complete, use the Print Log Map command to determine when the offload does complete. If NO SYSTEM WIDE QUIESCE is the reason, determine which member is in failed status and correct the situation.

messageText

Explanation: The DB2 object named is in the desired status.

User response: This message is for information only. No action is required.

messageText

Explanation: The DB2 object named is not yet in the desired status. The program will retry if it has not already exceeded the retry limit.

User response: This message is for information only. No action is required.

WAITING n SECONDS PRIOR TO RETRYING COMMAND

Explanation: The program will wait the number of seconds specified before retrying the DB2 command in process.

User response: This message is for information only. No action is required.

UNABLE TO start/stop OBJECT. RETRIES HAVE BEEN EXHAUSTED.

Explanation: The DB2 object named in the previous BMC93881I message is not in the desired status.

User response: Use the DB2 DISPLAY command to wait for the space to be in the desired status, then restart the job.

NO UTILITIES FOUND TO TERMINATE

Explanation: The program did not find any utilities executing against either the catalog or directory that needed to be terminated, so no action was necessary.

User response: This message is for information only. No action is required.
**BMC93885I**  
**TERMINATING UTILITY ID utilityID**  
*Explanation:* The program found the utility shown executing against either the catalog or directory. The utility has been terminated.  
*User response:* This message is for information only. No action is required.

**BMC93886I**  
**WAITING FOR DB2 TO DEALLOCATE DATA SETS, SECONDS = seconds**  
*Explanation:* The program is waiting for DB2 to deallocate the data sets for the objects that have been stopped.  
*User response:* This message is for information only. No action is required.

**BMC93887W**  
**UTILITY utilityID REQUIRES TERMINATION ON MEMBER member**  
*Explanation:* The indicated utility has been identified in SYSUTILX as using the catalog or directory. However, it is also identified under the group member name shown. It must be terminated from that member.  
*User response:* This message is a warning. If the job contains a step to execute ARMBTRM on the member identified, the utility will be terminated. Otherwise, the utility will have to be terminated manually on the identified member before the catalog and directory can be recovered.

**BMC93888I**  
**object LPL STATUS CLEARED**  
*Explanation:* The DB2 object named is not in LPL status.  
*User response:* This message is for information only. No action is required.

**BMC93889I**  
**object IN LPL STATUS**  
*Explanation:* The DB2 object named is still in LPL status. The program will retry if it has not already exceeded the retry limit.  
*User response:* This message is for information only. No action is required.

**BMC93890E**  
**LPL NOT CLEARED AND RETRY COUNT HAS BEEN EXHAUSTED**  
*Explanation:* The program is terminating although the LPL status for all of the objects has not cleared. The retry count has been exhausted.  
*User response:* Use the DB2 DISPLAY command to watch and wait for the LPL status to clear. You may need to take action to clear the problem that produced the LPL condition.

**BMC93891E**  
**INVALID COMBINATION: option1 AND option2**  
*Explanation:* The option values shown in the message are not compatible. They cannot be used together.  
*User response:* Change the value of one of the options.
NO LOG OFFLOAD FOR MEMBER=memberName, MEMBER STATUS=status

Explanation: This message is issued for any members in FAILED or QUIESCED status. The product does not wait on these subsystems to archive a log.

User response: If the active log data on the FAILED or QUIESCED subsystem is needed for recovery, bring up the subsystem and issue an ARCHIVE LOG command so that the data can be offloaded.

TIMEOUT LIMIT EXCEEDED - SECONDS = seconds

Explanation: During multiple job synchronization, the task for which a wait request was not complete within the time limit shown.

User response: Determine the task that timed out by checking the input to the ARMBSYN program. Review other jobs in the job network to determine the original problem. Correct the problem if necessary, and restart the job network. You may also increase the wait time to the ARMBSYN program via its parameters.

TASK KILLED BY ANOTHER JOB

Explanation: During multiple job synchronization, the task for which a request is being processed was marked as killed by another job. This generally indicates that the dependent task did not complete due to an error. The current job could not complete successfully.

User response: Determine the task that was killed by checking the input to the ARMBSYN program. Review other jobs in the job network to determine the original problem. Correct the problem if necessary and restart the job network.

REQUIRED VALUE FOR KEYWORD keyword NOT SPECIFIED

Explanation: The keyword shown is required, but was not specified.

User response: Edit your control cards to add the required keyword, and then submit the job again.

ARMDBMAC VARIABLE IS NOT DEFINED IN THE CLIST

Explanation: The ARMDBMAC variable contains the data set name where the xxxDOPTS macros reside. This data set is used as the SYSLIB when assembling the options modules.

User response: Ensure that this variable is defined in the CLIST.

REQUIRED DD ddname NOT FOUND

Explanation: The DD name shown was not found, but is required for execution.

User response: Check the JCL and add the required DD.
**BMC93899E**  
**EXPECTED ISPF ERROR - PLEASE NOTE THE FOLLOWING**  
**INFORMATION**  
Program: `programName`  
Received Return Code: `returnCode`  
From ISPF Service: `service`  
ISPF Message: `text`  

**Explanation:** An ISPF function ended abnormally.  
**User response:** Contact BMC Customer Support for the product.

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**Messages BMC93900 through BMC93999**

This group includes messages for the PACLOG for DB2 product.

**BMC93900E**  
**DDNAME: ddname**  

**Explanation:** An error was encountered while attempting to build the BMC message file. The DDNAME and the error string will be printed.  
**User response:** Correct the problem with the BMC message file using the additional information from the message text if possible. Contact BMC Customer Support if you need assistance.

**BMC93901E**  
**INVALID SELECTION XUNCHANGED REQUIRES SITETYPE LOCAL**  

**Explanation:** The EXCLUDE UNCHANGED FROM RECOVERY option analyzes SYSLGRNX in order to identify objects that have not changed between recovery time and current time. This process requires that the site type is local.  
**User response:** Set the site type to local at the RECOVERY MANAGER main menu and retry.

**BMC93902W**  
**LIMIT NOT DETERMINED FOR LIMIT LOGS AUTO - step STEP NOT GENERATED**  

**Explanation:** The product was not able to determine a limit value for the requested LIMIT LOGS AUTO. To avoid causing all logs to be copied with no limit specified, the archive log copy step is not generated.  
**User response:** Review other messages to determine the specific cause for no limit being determined.

**BMC93903E**  
**INVALID COMBINATION: option1 AND option2 WITHOUT option3 SPECIFIED**  

**Explanation:** The first two options above can only be specified together if the third option is also set.  
**User response:** Change the value for one of the options shown.

**BMC93904E**  
**INVALID COMBINATION: PERCENTAGES ENTERED MUST ADD UP TO 100**  

**Explanation:** The percent options (ANPCT, BCPCT, FCPCT, LRPCT and URPCT) must equal 100% when added together.  
**User response:** Check your entries to determine what is causing the mismatch.
**BMC93905E**

**option INVALID text**

*Explanation:* The option chosen is not valid for the reason stated.

*User response:* Select another option.

**BMC93906I**

**LIMIT CHANGED FROM value1 TO value2 FOR LIMIT LOGS AUTO**

*Explanation:* The value for LIMIT LOGS AUTO was reduced as shown in the message above because the larger value would have generated JCL that would attempt to copy uncataloged logs.

*User response:* No action is required. However, the large value could indicate that valid image copies for the system objects could not be found.

**BMC93907W**

**REPORT RECOVERY UNSUCCESSFUL FOR object. RC=returnCode ABEND CODE=abendCode**

*Explanation:* During the process to retrieve the log ranges for the object shown, REPORT RECOVERY failed with the indicated return code or ABEND code. This message has a severity level of W when issued by ARMBSSR.

*User response:* Run a DSNUTILB REPORT RECOVERY `tablespace/indexspace` for the object identified in the message text to facilitate problem diagnosis.

**BMC93907E**

**REPORT RECOVERY UNSUCCESSFUL FOR object. RC=returnCode ABEND CODE=abendCode**

*Explanation:* During the process to retrieve the log ranges for the object shown, REPORT RECOVERY failed with the indicated return code or ABEND code. This message has a severity level of E when issued by ARMBGPV.

*User response:* Run a DSNUTILB REPORT RECOVERY `tablespace/indexspace` for the object identified in the message text to facilitate problem diagnosis.

**BMC93990E**

**messageText**

*Explanation:* The system provides detailed debugging information.

*User response:* Check for previous messages. Contact BMC Customer Support.

**BMC93991E**

**messageText**

*Explanation:* The system provides detailed debugging information.

*User response:* Check for previous messages. Contact BMC Customer Support.

**BMC93992I**

**messageText**

*Explanation:* Detailed debugging information.

*User response:* Check for previous messages.

**BMC93998**

**ERROR CREATING MESSAGE TABLE, RC = returnCode**

*Explanation:* An error was encountered while attempting to build the BMC message file. Return codes and additional information are listed below.
- RC = 150 - DDNAME: ddname - EOF WITHOUT FINDING 'ENDMESSAGE'
- RC = 151 - DDNAME: ddname - EOF WITHOUT FINDING 'BEGINMESSAGE'
- RC = 152 - DDNAME: ddname - EOF WITHOUT FINDING 'ENDTOKEN'
- RC = 153 - DDNAME: ddname - EOF WITHOUT FINDING 'BEGINTOKEN'
- RC = 160 - DDNAME: ddname - INVALID FORMAT SPECIFIER IN LONG MSG
- RC = 161 - DDNAME: ddname - INVALID FORMAT SPECIFIER IN LONG MSG
- RC = 162 - DDNAME: ddname - INVALID FORMAT SPECIFIER IN SHORT MSG
- RC = 163 - DDNAME: ddname - INVALID FORMAT SPECIFIER IN SHORT MSG
- RC = 170 - DDNAME: ddname - INVALID MESSAGE NUMBER - number
- RC = 180 - DDNAME: ddname - FOUND BAD TOKEN (NO DELIMITER)
- RC = 190 - OPEN FAILED FOR ddname

User response: Correct the problem with the BMC message file using the additional information from the message text if possible. Contact BMC Customer Support for the product if you need assistance.

BMC93999E UNEXPECTED CONDITION ENCOUNTERED
Explanation: The product encountered an unexpected condition.
User response: Check for additional messages. Contact BMC Customer Support for the product.

Messages BMC93300 through BMC93399

This group includes messages for the PACLOG for DB2 product.

BMC93300E CAF ERROR: RC = returnCode REASON = reason
Explanation: An error occurred during a DB2 Call Attach Facility command. The return code and reason are shown in the message.
User response: See the IBM DB2 Messages and Codes manual for more information.
**BMC93301E**  
**SQL ERROR:** SQLCODE= sqlCode STMTID= stmtID, DBRM= dbrm  
*Explanation:* An unexpected SQL error occurred during execution of an SQL statement. DB2 error messages follow this message.  
*User response:* See the IBM DB2 Messages and Codes manual for more information about the DB2 messages.

**BMC93302E**  
**UNABLE TO CONNECT TO DB2 SSID = ssid**  
*Explanation:* The product was unable to connect to DB2 through the Call Attach Facility. Call Attach Facility error information messages will follow. If the error was issued when you attempted to run ARMBSRR, the target DB2 subsystem may be inactive. The connection to DB2 will fail if the DSNALI module could not be loaded.  
*User response:* See the IBM DB2 Messages and Codes manual for more information about the Call Attach Facility messages.

**BMC93303E**  
**DISCONNECT FAILED SSID = ssid**  
*Explanation:* The product was unable to disconnect from DB2 through the Call Attach Facility. Call Attach Facility error information messages will follow.  
*User response:* See the IBM DB2 Messages and Codes manual for more information about the Call Attach Facility messages.

**BMC93304E**  
**PLAN OPEN FAILED - PLAN NAME planName**  
*Explanation:* The product was unable to open the DB2 plan through the Call Attach Facility. Call Attach Facility error information messages will follow.  
*User response:* See the IBM DB2 Messages and Codes manual for more information about the Call Attach Facility messages.

**BMC93305E**  
**PLAN CLOSE FAILED - PLAN NAME planName**  
*Explanation:* The product was unable to close the DB2 plan through the Call Attach Facility. Call Attach Facility error information messages will follow.  
*User response:* See the IBM DB2 Messages and Codes manual for more information about the Call Attach Facility messages.

**BMC93306E**  
**MESSAGE RETRIEVAL FAILED RC = returnCode FROM DSNTIAR**  
*Explanation:* A previous SQL error occurred, but the DB2 messages related to it could not be retrieved through DSNTIAR.  
*User response:* Check for related previous messages, and then contact BMC Customer Support for RECOVER PLUS.

**BMC93307E**  
**UNSUPPORTED DB2 VERSION versionNumber**  
*Explanation:* The product does not support the version of DB2 installed.  
*User response:* Install a supported version of DB2. The product supports DB2 Version 7 or later.
BMC93308I  option IGNORED SPACE= space REASON= reason
Explanation:  The specified option will be ignored when generating the JCL, for the stated reason.
User response:  This message is for information only. No action is required.

BMC93309I  CONNECTED TO DB2 SSID = ssid VERSION version
Explanation:  The product successfully connected to the DB2 subsystem and version shown in the message.
User response:  This message is for information only. No action is required.

BMC93310I  MEMBERCAT OPTION INVALID, SWITCHING TO DATASHARE GROUP PROCESSING
Explanation:  The DATASHARE MEMBERCAT option is no longer valid as input to ARMBSRR. ARMBSRR will process the input as if DATASHARE GROUP was specified.
User response:  This message is for information only. No action is required.

BMC93311E  QUIESCE MEMBERS ERROR
Explanation:  There was an error in the QUIESCE MEMBERS list. Either all members in the data sharing group are quiesced, or one of the members specified is not part of the data sharing group.
User response:  Verify and correct the group member names.

BMC93312W  CONTINUING WITHOUT COPY ANALYSIS DUE TO PREVIOUS ERRORS
Explanation:  ARMBSRR was not able to successfully perform Report Recovery utility analysis. It will continue with the JCL generation process, but the tape volume pick list may be incomplete. It will not contain the volumes of the archive log files needed for recovery of the catalog and directory.
User response:  Check for previous messages to determine the cause of the error.

BMC93313E  PROGRAM name FAILED, RC= returnCode
Explanation:  ARMBEXE received a failing return code after attaching the program specified.
User response:  Check output files for messages from the attached program to determine the problem.

BMC93315I  UNABLE TO LOCATE CHECKPOINT PRIOR TO rba/lrsn FOR SSID ssid
Explanation:  When performing INDOUBT analysis, ARMBSRR was unable to locate the last check point before the RBA or LRSN shown. The message also indicates the subsystem ID. The product can continue searching for checkpoints in earlier logs and processing continues.
User response:  You may need to establish a new recovery point. Follow the procedures documented in the disaster recovery chapter of the RECOVERY MANAGER for DB2 User Guide for running ARMBSRR. Collect a Print Log Map
UNABLE TO LOCATE CHECKPOINT PRIOR TO rba/lrsn FOR SSID ssid

Explanation: When performing INDOUBT analysis, ARMBSRR was unable to locate the last check point before the RBA or LRSN shown. The message also indicates the subsystem ID. No checkpoints can be found near the recovery point and processing stops.

User response: You may need to establish a new recovery point. Follow the procedures documented in the disaster recovery chapter of the RECOVERY MANAGER for DB2 User Guide for running ARMBSRR. Collect a Print Log Map report for the subsystem or member, along with the ARMBSRR output and contact BMC Customer Support for the product if you suspect a program error.

SELECT RECOVERY POINT BEFORE GENERATING JCL

Explanation: You requested recover JCL generation, but a recovery point has not been selected. You must select a recovery point at least once, and you must select a recovery point again after generating recover JCL or editing utility options.

User response: Use the recovery point option to select a recovery point.

product VERSION versionNumber DOES NOT SUPPORT OPTION

Explanation: The version of the product contained in the Control Information does not support the option selected. If versionNumber = 000, the version is not set in the Control Information.

User response: Correct the version of the product shown in the Control Information or do not attempt to use the option.

utility VIA set NOT SUPPORTED FOR DATA TYPE type

Explanation: The utility options selected for the data set named in the message specify an invalid utility for this action. The action will not be performed for this data set.

User response: Select a set of utility options with a valid utility for this action.

BMC UTILITY VERSION LOW FOR DB2 VERSION versionNumber

Explanation: The BMC utility shown is at a level that is earlier than the minimum required to support the named version of DB2. An attempt to generate JCL using that utility will cause the product to use DSNUTILB instead.

User response: Review the DB2 and the product's control information. Upgrade the installed BMC utilities where necessary. Otherwise, the message is for information only. See the chart below for the minimum required versions.
BMC93321I  
**DSNUTILB SUBSTITUTED FOR utility ON object INSTANCE instance**

*Explanation:* The BMC utility shown is at a level that is lower than the version required to support the version of DB2 (or the DB2 feature) in use. The product will use DSNUTILB instead of the named utility. The instance value of the object is displayed only when running on DB2 Version 9 or later and not in compatibility mode. See the following chart for the minimum required versions.

<table>
<thead>
<tr>
<th>DB2</th>
<th>COPY PLUS</th>
<th>CHECK PLUS</th>
<th>RECOVER PLUS</th>
<th>PACLOG</th>
<th>Log Master</th>
<th>Apply Plus</th>
</tr>
</thead>
<tbody>
<tr>
<td>V7</td>
<td>6.3.00</td>
<td>3.2.00</td>
<td>3.5.00</td>
<td>1.3.01</td>
<td>2.4.00</td>
<td>1.5.00</td>
</tr>
<tr>
<td>V8</td>
<td>6.5.00</td>
<td>7.2.00</td>
<td>4.2.00</td>
<td>1.3.02</td>
<td>3.2.00</td>
<td>3.2.00</td>
</tr>
<tr>
<td>V9</td>
<td>8.1.00</td>
<td>8.3.00</td>
<td>8.1.00</td>
<td>1.3.02</td>
<td>8.1.00</td>
<td>8.1.00</td>
</tr>
</tbody>
</table>

*User response:* Review the DB2 and the product's control information. Upgrade the installed BMC utilities if necessary. Otherwise, the message is for information only.

BMC93322I  
**DSNUTILB SUBSTITUTED FOR AFRMAIN ON object INSTANCE instance**

*Explanation:* Recovering the named object requires a DFSMS concurrent copy. The product will use DSNUTILB to perform the recovery instead of using RECOVER PLUS. The installed version of RECOVER PLUS does not support DFSMS concurrent copies. The instance value of the object is displayed only when running on DB2 Version 9 or later and not in compatibility mode.

*User response:* This message is for information only. No action is required.

BMC93323E  
**COPY TYPE NOT SUPPORTED FOR USE BY AFRMAIN**

*Explanation:* The installed version of RECOVER PLUS does not support DFSMS concurrent copies.

*User response:* Perform one of the following actions, and then try again:

- Select another recovery point.
- Change the recover utility to DSNUTILB by editing the utility options in force for this object.
**BMC93326E**  ALLOCATION FAILED FOR file.ECODE= ecodes, ICODE= icodes

*Explanation:* Allocation of the file shown failed.

*User response:* Look up the ECODE and ICODE to determine the cause of the failure. The codes are documented in the MVS programming authorized assembler services guide or equivalent manual.

**BMC93327E**  FILE I/O ERROR FOR DDNAME file. RC= returnCode

*Explanation:* An I/O error occurred for the file shown. For VSAM data sets, the return code is the negative VSAM return code (register 15).

Return code 8 is a logical error. Return code 12 is a physical error. The specific error is indicated in the RPL feedback area.

*User response:* Look up the return code to determine the cause of the failure. The codes are documented in the *IBM Macro Instructions for Data Sets* or the equivalent manual.

**BMC93328I**  ERROR DURING operation. REASON= reason

*Explanation:* An I/O error occurred for the operation shown. For VSAM data sets, the reason is the VSAM RPL feedback code.

Reason code 8 is duplicate record. Reason code 16 is record not found.

*User response:* Look up the reason code to determine the cause of the failure. The codes are documented in the *IBM Macro Instructions for Data Sets* or the equivalent manual.

**BMC93333I**  AUTHORIZATION CHECK FOR USERID userID

*Explanation:* The user ID was being processed when an error was detected.

*User response:* See message BMC93335I.

**BMC93334I**  DATASET= dataSet, VOLUME= volume

*Explanation:* The data set and volume were being processed when an error was detected.

*User response:* See message BMC93335I.

**BMC93337W**  UNABLE TO OBTAIN SIZING FOR dataSetName

*Explanation:* The SIZING YES option was selected to obtain a volume usage report, but sizing information could not be obtained for the data set shown. Possible causes of the problem are that the data set is archived or VTOC information is inaccessible. There may be other causes.

*User response:* The message is a warning that sizing information is incomplete. Ascertain why the information is incomplete and take steps to rectify the situation.
BMC93342W   INCOMPLETE LIST ADDITIONAL ENTRIES ARE NOT INCLUDED

Explanation: The requested list reached the maximum allowed size and further additions could not be made. At least one entry was not added to the list.

User response: You may want to use a less generic search if possible.

BMC93349I   NO ADEQUATE BACKUP REGISTERED FOR OBJECT(S) SINCE LAST OPENED FOR UPDATE

Explanation: The product found that these objects had not been backed up since they were last updated.

User response: Consider backing up these objects.

BMC93350I   dataSetName NOT ADDED TO THE LIST

Explanation: The data set name given in the message was found to be either a duplicate or uncataloged during volume group processing. It will not be included in the group. Processing continues.

User response: This message is for information only. No action is required.

BMC93351I   VOLUME = volume DSN = dataSetName

Explanation: The product processed the volume/data set named in the message.

User response: This message is for information only. No action is required.

BMC93352E   TOO MANY SELECTIONS - ONLY ONE ITEM MAY BE SELECTED

Explanation: Only one of the indicated items may be selected on this panel. Processing cannot continue.

User response: Select only one item to allow processing to continue.

BMC93353E   LOG MASTER NOT INSTALLED text

Explanation: Log Master must be installed to use the Transaction Recovery feature. This message is issued either because the version of Log Master is too low or is not installed. If the version is too low, the version is printed in the message. If the product is not installed, the message contains the subsystem id and the name of the missing control option.

User response: Install Log Master and ensure the control option is in place.

BMC93354E   PRODUCT NOT INSTALLED - R+/CHANGE ACCUM NOT IN OPTIONS

Explanation: R+/CHANGE ACCUM is required to use the requested feature. However, according to the control information, the product is not installed.

User response: Either change your selection or install R+/CHANGE ACCUM and set the appropriate flag in the BMC Products panel of the control information. You can access the control information from the product’s Main Menu.
**BMC93355E**  POINT NOT AVAILABLE FOR RECOVERY OF TRANSACTION

*Explanation:* A valid recovery point before the start time could not be found for all spaces included in this transaction. PIT and REDO are not available.

*User response:* Use UNDO to recover this transaction.

**BMC93356E**  MORE THAN nn VOLUMES WERE SPECIFIED

*Explanation:* More than the allowable number of volumes for a single data set was specified.

*User response:* Reduce the number of volumes and register the data set.

**BMC93357E**  INVALID TIMESTAMP ORDER END TIME MUST BE <= CURRENT TIME

*Explanation:* The End Time must be less than or equal to the value of the Current Time. Timestamp format is YYYYDDDHHMMSST. If fewer than 14 digits are specified, trailing zeros are implied.

*User response:* Correct the end time.

**BMC93358E**  2 COPIES ALLOWED FOR FDR

*Explanation:* If you choose FDR as the backup utility, a maximum of two backup copies can be made.

*User response:* Select two or fewer backup copies.

**BMC93359E**  ENDRBA rba1 IS LESS THAN THE STARTRBA rba2

*Explanation:* The RBA or LRSN selected as the end of the quiet range must be greater than the RBA or LRSN selected as the start of the quiet range.

*User response:* Correct the ENDRBA.

**BMC93360I**  QUIET POINT RANGE FROM value1 TO value2 AT value3 IS IN SPECIFIED RANGE

*Explanation:* The indicated quiet point range was found within the time range that you specified.

*User response:* This message is informational. No action is required.

**BMC93361I**  LOGPOINT logPoint IS IN QUIET POINT RANGE FROM value1 TO value2 AT value3

*Explanation:* The indicated log point is located within the specified quiet point range.

*User response:* This message is informational. No action is required.

**BMC93362E**  NO QUIET POINT RANGES WERE FOUND IN THE SPECIFIED RANGE

*Explanation:* The product found no quiet point ranges within the time range that you specified.

*User response:* Select a different time range or choose another operation that does not require a quiet point.
BMC93363W  SPECIFIED LOGPOINT DOES NOT FALL IN A QUIET POINT RANGE

*Explanation:* The log point that you specified does not fall within a quiet point range.

*User response:* Select a different log point or choose another operation that does not require a quiet point.

BMC93364W  QUIET POINT ABOVE DOES NOT HAVE A COMPLETE SET OF COPIES

*Explanation:* The product could not find a valid set of copies for the quiet point that you selected.

*User response:* Verify that the appropriate copies exist or select another quiet point.

BMC93365I  C.D.R. TIMESTAMP *timeStamp* HAS BEEN DELETED

*Explanation:* The indicated coordinated disaster recovery timestamp was deleted from the CDR table.

*User response:* This message is informational. No action is required.

BMC93366I  DSNUTILB SUBSTITUTED REASON= reason FOR type ON object INSTANCE *instance*

*Explanation:* JCL for the DSNUTILB utility is generated. The requested BMC utility cannot create a backup or recovery of the specified object for one of the following reasons:

- **REASON=01:** RECOVER PLUS OUTCOPY ONLY does not support DB2 catalog and directory objects.
- **REASON=02:** COPY PLUS Snapshot does not support copying the DB2 special spaces.
- **REASON=03:** COPY PLUS COPY IMAGECOPY does not support copying the DB2 special spaces.
- **REASON=04:** BMC Utility does not support Varying Index keys PADDING=NO.
- **REASON=05:** BMC Utility does not support Index Keys > 255.
- **REASON=06:** BMC Utility does not support versioned objects.
- **REASON=07:** BMC Utility does not support LOB objects.
- **REASON=08:** BMC Utility does not support a variable CISIZE > 4096.
- **REASON=09:** The BMC utility does not support table-controlled partitioning or data-partitioned secondary indexes (DPSIs).
- **REASON=10:** The BMC utility does not support more than 999 partitions.
REASON=12: The BMC utility does not support Unicode characters that cannot be translated to EBCDIC characters.

REASON=13: BMC Utility does not support encoding scheme of Unicode

REASON=14: BMC Utility does not support cloned objects

Note that the instance value of the object is displayed only when running on DB2 Version 9 or later and not in compatibility mode.

User response:  This message is informational. No action is required.

**BMC93367I**  
**INFLIGHT RESOLUTION PRECLUDED - text**

Explanation: JCL for a recovery TOLOGPOINT with RESOLVE_INFLIGHTS option cannot be generated for the object because the recover utility is not RECOVER PLUS version 5.2.00 or later.

User response:  This message is informational. No action is required.

**BMC93368E**  
**ERROR PROCESSING THE CRRDRPT TABLE, RC = returnCode**

Explanation: RMGR encountered an internal error while processing the CRRDRPT table

User response:  Contact BMC Customer Support.

**BMC93369I**  
**WORKFILE DATABASE OBJECT(S)**

Explanation: This message lists the work file database objects.

User response:  This message is informational. No action is required.

**BMC93370E**  
**SUBSYSTEM MIRRORING MUST BE AT LEAST LEVEL 2**

Explanation: The Recovery Management for DB2 password must be applied and the mirror strategy must be set in the subsystem general recovery options in order to access mirroring functions. You must be mirroring the catalog and directory and the BSDS to access the mirroring function that you have specified.

User response:  Verify that you are using the Recovery Management for DB2 solution password and that you have correctly set the subsystem-level recovery options to support mirroring Level 2.

**BMC93371I**  
**HWLEVEL OVERRIDDEN BY MIRRORING OPTIONS**

Explanation: The HWLEVEL options are overridden by mirroring options that you specified using the Recovery Management for DB2 solution functionality.

User response:  This message is informational. No action is required.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message Text</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC93372I</td>
<td>MIRRORED JCL GENERATION COMPLETE - BEGINNING NON-MIRRORED JCL GEN</td>
<td>The JCL that recovers non-mirrored objects (but does not include mirrored data because that is already available at the recovery site) has been generated. The product is generating the alternate JCL that recovers all data as if no objects are mirrored. This JCL can be used if mirroring fails.</td>
<td>This message is informational. No action is required.</td>
</tr>
<tr>
<td>BMC93373W</td>
<td>object NOT MIRRORED - SWITCHING TO NON-MIRRORED RECOVERY</td>
<td>The product cannot verify that the indicated object is mirrored. It will be included in the recovery JCL.</td>
<td>This message is informational. No action is required.</td>
</tr>
<tr>
<td>BMC93374W</td>
<td>SYSTEM DATA SETS NOT MIRRORED - SWITCHING TO NON-MIRRORED RECOVERY</td>
<td>The product cannot verify that the system objects are mirrored (Level 1 mirroring). It will generate JCL for a non-mirrored recovery.</td>
<td>This message is informational. No action is required.</td>
</tr>
<tr>
<td>BMC93375E</td>
<td>HARDWARE MIRROR SUPPORT NOT ACTIVE</td>
<td>The Recovery Management for DB2 password must be applied and the mirror strategy must be set in the subsystem general recovery options in order to access mirroring functions.</td>
<td>Verify that you are using the Recovery Management for DB2 solution password and that you have correctly set the subsystem-level recovery options to support mirroring.</td>
</tr>
<tr>
<td>BMC93376I</td>
<td>SUBSYSTEM MIRRORING LEVEL level WAS SUCCESSFULLY VERIFIED</td>
<td>The product verified successfully mirroring for the level indicated.</td>
<td>This message is informational. No action is required.</td>
</tr>
<tr>
<td>BMC93377I</td>
<td>REQUIRED SUBSYSTEM DATA SETS ARE NOT MIRRORED</td>
<td>The product could not verify that the system data sets required for the function that you specified are mirrored.</td>
<td>Either correct the mirroring status of the system data sets or select another function.</td>
</tr>
<tr>
<td>BMC93378I</td>
<td>MIRROR VERIFICATION INTERNAL ERROR</td>
<td>The product produced an internal error while attempting to verify the mirroring status of the required objects.</td>
<td>Contact BMC Customer Support.</td>
</tr>
</tbody>
</table>
**INFLIGHT RESOLUTION IGNORED** - *reason*

*Explanation:* Recovery with inflight resolution is not allowed due to the stated reason, and will be ignored. Recovery to the specified recovery point will proceed without resolving inflight transactions. Inflight resolution requires all of the following conditions:

- Recovery Management version 2.2 or later (with valid solution password)
- RECOVER PLUS *for DB2* version 4.2 or later specified as the recover utility

*User response:* Correct the conditions or choose another type of recovery.

**TOTIMESTAMP INVALID** *reason*

*Explanation:* Timestamp recovery is not allowed due to the reason stated. Timestamp recovery requires all of the following conditions:

- Recovery Management version 2.2 or later (with valid solution password)
- RECOVER PLUS *for DB2* version 4.2 or later specified as the recover utility
- data sharing environment

*User response:* Correct the conditions or choose another type of recovery.

**INVALID SELECTION** *option1* WITH *option2* NOT ALLOWED

*Explanation:* The copy or recover option shown cannot be used when LOB table spaces are included in the group. Either remove the LOB spaces from the group or change the copy or recover option shown in the message.

*User response:* No action is required.

**text1 - DS IS text2**

*Explanation:* The data set or member specified either has an organization mismatch with the actual data set or the data set does not exist.

*User response:* Correct the specified data set name or data set and retry.

**ONLY ONE LIKE PARAMETER ALLOWED PER CREATE COMMAND**

*Explanation:* The ARMBGRP CREATE GROUP statement has more than one LIKE option specified.

*User response:* Correct the JCL and resubmit the job.

**NOT A ZOOMABLE FIELD**

*Explanation:* The cursor was not positioned on a field eligible for the ZOOM command.

*User response:* Reposition the cursor on a field that contains a DB2 long name.
**BMC93386E**  INVALID SELECTION PARALLEL YES AND keyword NOT ALLOWED

*Explanation:* The PARALLEL Yes option cannot be specified with the named keyword. The restrictions on the use of PARALLEL YES are:

- The objects must be copied as a group
- Concurrent/DFSMS copies cannot be copied in parallel

*User response:* Either set PARALLEL to No, or do not attempt to use the named option.

**BMC93387E**  INVALID SELECTION option1 AND option2 NOT ALLOWED

*Explanation:* The recovery options, BACKOUT YES and the listed option are mutually exclusive. The following options are not valid with BACKOUT YES:

- INDEPENDENT OUTSPACE
- LOGSCAN
- UNLOADKEYS
- OUTCOPY
- LOGONLY

*User response:* To select BACKOUT YES, change the listed option to NO.

**BMC93388W**  INVALID SELECTION option OVERRIDES BACKOUT AUTO

*Explanation:* The recovery options, BACKOUT AUTO and the option shown in the message are mutually exclusive. The following options override BACKOUT AUTO and change the recovery to BACKOUT NO:

- INDEPENDENT OUTSPACE
- LOGSCAN
- Index All Recovery
- LOGONLY

*User response:* To use BACKOUT AUTO, change the indicated options to NO.

**BMC93389W**  INVALID SELECTION BACKOUT AUTO OVERRIDES option

*Explanation:* The recovery option BACKOUT AUTO and the listed option are mutually exclusive. BACKOUT AUTO overrides the following options:

- OUTCOPY YES
- **UNLOADKEYS**

  If either is specified, BACKOUT AUTO takes precedence, and RMGR changes the indicated option to NO.

  **User response:** No action is required. The selected backup utility will make copies after the BACKOUT AUTO recover.

**BMC93390I**  
**UNRECOVERABLE EVENT**

**Explanation:** The ARMBGPV encountered an object with a BAD TYPE status when printing the Exception Report, which means the object is not recoverable to the selected recovery point. An entry in SYSIBM.SYSCOPY indicates that an event that prevents recovery occurred between the recovery point and the preceding full image copy. Events precluding a recovery are REORG LOG NO, LOAD LOG NO, and LOAD REPLACE LOG NO.

**User response:** You may select an alternate recovery point for the object (action code L) or select Recover again and choose a new recovery point for the entire group. A valid recovery point for the object may not exist.

**BMC93391I**  
**BACKOUT AUTO. CHANGED TO BACKOUT NO FOR objectName INSTANCE instance**

**Explanation:** A LOG(NO) event took place between current time and the recovery point. A BACKOUT AUTO is not possible. BACKOUT AUTO is being changed to BACKOUT NO and forward recovery is being processed. The instance value of the object is displayed only when running on DB2 Version 9 or later and not in compatibility mode.

**User response:** No action is required.

**BMC93392W**  
**INVALID SELECTION BACKOUT AUTO OVERRIDES IX REBUILD ALL**

**Explanation:** The recover option REBUILD INDEX ALL cannot be specified with BACKOUT AUTO. BACKOUT AUTO overrides the INDEX ALL rebuild. Only objects in the group will be recovered.

**User response:** No action is required. However, if you want to rebuild all indexes, change the BACKOUT option to either YES or NO.

**BMC93393E**  
**INVALID SELECTION. option AND type NOT ALLOWED**

**Explanation:** BACKOUT is only valid when recovering to a point in time in a non-disaster recovery scenario. It is invalid when recovering TOCURRENT, TOCOPY, or TORESTARTRBA.

**User response:** Select another recovery point for backout recovery (to quiesce, to a common recovery point, or to a log point) or select BACKOUT NO.
**BMC93394W**  **INVALID SELECTION selection AND LOGONLY NOT ALLOWED**

*Explanation:* Recover option LOGONLY can not be specified with either the BACKOUT AUTO or BACKOUT YES option. BACKOUT AUTO is changed to BACKOUT NO.

*User response:* Either change the LOG ONLY option, or specify a different backout options.

**BMC93395I**  **INVALID SELECTION. BACKOUT AUTO OVERIDES INDEX REBUILD**

*Explanation:* Recover option BACKOUT AUTO and options to rebuild indexes are not valid combinations. BACKOUT AUTO overrides INDEX REBUILD because a backout recovery backs out updates to the indexes as well as the table spaces.

*User response:* No action is required. However, if you do not want BACKOUT AUTO to override INDEX REBUILD, change the option to BACKOUT NO.

**BMC93396I**  **INDEX CANNOT BE REBUILT OR RECOVERED DUE TO TS IN REORP**

*Explanation:* An index could not be rebuilt or recovered because the product found the associated table space is in REORP status.

*User response:* The message is for information only. You may want to investigate why the table space is in REORP status.

**BMC93397I**  **RECOVERY POINT NOT AVAILABLE FOR objects**

*Explanation:* A recovery point matching the user specified point could not be located. The objects indicated are not recoverable to that point.

*User response:* The message is for information only. You may want to select a different recovery point or take an action to make the objects recoverable.

**BMC93398W**  **NO LOG RANGES.**

*Explanation:* No log ranges were found for the selected objects.

*User response:* Run the REPORT RECOVERY utility to verify whether there are log ranges for the object.

**BMC93399E**  **NO LOG RANGES objectName**

*Explanation:* No log ranges were found for the named object. If the product can continue generating JCL, a warning message is issued. Otherwise, an error is issued. The product ignores the XUNCHANGED keyword, if specified.

*User response:* Run the REPORT RECOVERY utility to verify whether there are log ranges for the object.
NO LOG RANGES objectName

Explanation: No log ranges were found for the named object. If the product can continue generating JCL, a warning message is issued. Otherwise, an error is issued. The product ignores the XUNCHANGED keyword, if specified.

User response: Run the REPORT RECOVERY utility to verify whether there are log ranges for the object.
Messages BMC96000 through BMC96399

This chapter includes messages for the RECOVER PLUS for DB2 product, and because RECOVER PLUS is a component of the Recovery Management for DB2 product, for Recovery Management as well.

Messages BMC96000 through BMC96099

For the RECOVER PLUS for DB2 product, this topic explains each message in the designated range.

BMC96001E  INDEX COMPRESSION FAILED

Explanation: Index compression failed.
User response: See accompanying messages to help determine the cause of the failure.

BMC96002E  NO PAGES USED FROM FULL IMAGE COPY.

Explanation: This error occurs when RECOVER PLUS reaches the end-of-file on the full image copy and no pages have been used. Typically, this error indicates a mismatch between the image copy data and the object being recovered.
User response: Verify the contents of the image copy data, and if the problem persists, contact BMC Support.

BMC96003I  ZIIP = [ENABLED | DISABLED] (ZIIP PROCESSOR ENABLEMENT)

Explanation: This message echoes the value set for the ZIIP option.
User response: No action is required.
**BMC96004I** ZIIP [NOT] ENABLED (xbmReturnCode) [USING XBM SUBSYSTEM ssid]

*Explanation:* This message indicates that the utility either enabled zIIP processing successfully or could not enable zIIP processing. If the utility discovered the XBM subsystem, the message displays the ID of that subsystem.

The message displays the return code that XBM issues. If zIIP processing was not enabled, possible return codes are as follows:

<table>
<thead>
<tr>
<th>Return code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>An internal error occurred. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>20</td>
<td>The product is not using the correct XBM API module (that is, XBMXCCIF) for communicating to the specified XBM subsystem. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>115</td>
<td>You specified an XBM subsystem and that XBM subsystem was found. However, the XBM subsystem did not support zIIP enablement or did not have an XBM component that the product requires. Ensure that, if you specify an XBM subsystem, all required XBM components are active (for example, the DB2 and zIIP component) on that subsystem.</td>
</tr>
<tr>
<td>117</td>
<td>The product issued a request to the XBM subsystem. However, the XBM subsystem is not at the correct maintenance level, or a required component is not active. Ensure that the XBM subsystem supports zIIP processing and that any required XBM components are active (for example, the DB2 and zIIP component).</td>
</tr>
</tbody>
</table>

*User response:* If zIIP enablement was successful, no action is required.

If zIIP enablement was not successful and you want to offload processing to a zIIP, correct the problem and restart or rerun the utility job. If you are unable to correct the problem, contact BMC Customer Support.

**BMC96005W** UNABLE TO SET ACHKP BECAUSE REORP IS SET

*Explanation:* REORP and ACHKP set together make a table space inaccessible. To save accessibility, RECOVER PLUS will not set the ACHKP status.

*User response:* Take actions required to reset REORP and ACHKP statuses.
BMC96006W  **RESETRTS IS IGNORED BECAUSE LP COPY IS NOT REGISTERED**

*Explanation:* If the local site primary copy is not created or not registered, you cannot use RESETRTS.

*User response:* If you want to have RECOVER PLUS reset the copy DB2 real-time statistics, correct the request to create and register the local site primary copy.

BMC96007S  **UNABLE TO ACCESS BSDS**

*Explanation:* RECOVER PLUS is unable to access the BSDS because another job is using it.

*User response:* Resubmit your job when the BSDS is available.

BMC96008I  **DUMP OF diagnosticInfo**

*Explanation:* This is a diagnostic message associated with a BMC40571S error.

*User response:* No action is required. BMC Customer Support may ask for AFRPRINT output for problem diagnosis.

BMC96009I  **ALLOCATING CHANGE ACCUM FILE WITH allocationUnit(primary, secondary)**

*Explanation:* This message indicates that R+/CHANGE ACCUM is sizing the output for change accumulation files based on the amount of space that they will actually require.

*User response:* No action is required.

BMC96010I  **solutionName version**

*Explanation:* This message displays in the AFRSUMRY message data set for each solution that is licensed at this site. *solutionName* is the name of the solution and *version* is the version of the solution that is licensed at this site. The message also lists the version of the solution common code (SCC) that you are running with RECOVER PLUS.

*User response:* No action is required.

BMC96011I  **solutionID VERSION NOT DEFINED**

*Explanation:* This message displays in the AFRSUMRY message data set for a solution that is licensed at this site but for which the xxxVERSN load module could not be located. xxx is the 3-character *solutionID* assigned to the solution by BMC.

*User response:* This message is informational and the product will run correctly. However, this message does indicate that the solution was not installed properly or that the load library containing the xxxVERSN load module is not available in the STEPLIB DD or LINKLIST.
BMC96012I  DSN = dataSetName

Explanation: This message accompanies other messages to display the data set name of a file referenced in the other messages.

User response: Refer to the instructions for the accompanying messages.

BMC96013W  NO PROCESSING ATTEMPTED ON THE FOLLOWING OBJECTS.

Explanation: This message indicates that processing was not done on the objects listed in the BMC40301 or BMC40303 messages, which following this message. Processing was not done based on errors that were encountered and given in messages preceding BMC96013.

User response: Correct the error or errors described in the preceding messages and restart the step.

BMC96014I  DB2 VERSION = version SITE TYPE = type MODE = mode [FALLBACK YES]

Explanation: The version of DB2 installed is given as well as the system site type, which is either LOCAL or RECOVERY. Additionally, the DB2 mode is given. If applicable, FALLBACK YES displays after MODE = mode.

User response: No action is required.

BMC96015S  messageText

Explanation: When DB2 Solution Common Code (SCC) errors occur, RECOVER PLUS issues this message, takes a SNAP dump, and produces an AFRTRACE that shows the addresses of the parameters and buffers.

User response: Contact BMC Customer Support and provide the dump and AFRTRACE for problem diagnosis.

BMC96016I  HASH OVERFLOW INDEX

Explanation: RECOVER PLUS issues this informational message and prints it in the OBJECT SUMMARY to indicate that the index is the hash overflow index.

User response: No action is required.

BMC96017E  CANNOT TRANSFORM BECAUSE SOURCE IS AUTO COMPRESSED

Explanation: The transform can not work on a table space that has been auto-compressed.

User response: REORG the source table space prior to transforming it.

BMC96018S  UNABLE TO LOCATE/CREATE EXPLAIN TABLE

Explanation: RECOVER PLUS is unable to locate or create the EXPLAIN table. No 'PLAN-TABLE' exists in the DB2 subsystem.

User response: Create a 'PLAN_TABLE' to use as a skeleton for the EXPLAIN table.
**BMC96019S**  
SCCIENT FAILURE: RETURN CODE = `returnCode`, REASON CODE = `reasonCode`  

*Explanation:* While RECOVER PLUS was attempting to process an index on expression, an internal failure occurred.  
*User response:* Contact BMC Customer Support and have all documentation available.

**BMC96020I**  
USE OF REAL-TIME STATISTICS ENABLED FOR REBUILD SORT ESTIMATION  

*Explanation:* The utility found DSN6SPRM subsystem parameter UTSORTAL=YES. When appropriate, RECOVER PLUS uses the TOTALROWS value from SYSIBM.SYSTABLESPACESTATS for sort file size estimations for index rebuilds.  
*User response:* No action is required.

**BMC96021E**  
PENDING STATUS CANNOT BE SET BECAUSE PER TRACING IS ACTIVE FOR ssidDBM1. DISABLE ANY PER SLIP TRAPS.  

*Explanation:* The utility is unable to set pending status due to active PER tracing.  
*User response:* Disable any PER SLIP traps.

**BMC96022I**  
OBJECT BYPASSED BECAUSE keyword IS SPECIFIED: a.b  

*Explanation:* This message indicates that RECOVER PLUS will not process an OBJECTSET object due to a keyword conflict. For example, RECOVER PLUS bypasses non-clone objects when you specify CLONE in your RECOVER PLUS syntax. a.b represents dbname.tname or ixcreator.ixname.  
*User response:* No action is required.

**BMC96023 S**  
THE PARTITIONED INDEX HAS REACHED ITS MAXIMUM DATA SET SIZE  

*Explanation:* While building a partitioned index, the size of the data set partition reached the maximum data set size. This situation might occur because the index's PCTFREE was altered to a larger size and the keys no longer fit in the partition.  
*User response:* If PCTFREE was altered, alter the value back to a smaller size and rerun the REBUILD.

**BMC96024I**  
END COPY PROCESSING `date time`--COMPLETION CODE `code`  

*Explanation:* This is an informational message that indicates the completion of copy processing.  
*User response:* No action is required.
BMC96025E  CANNOT TRANSFORM THE PAGE SIZE OF AN INDEX WHEN THE SOURCE AND TARGET ARE BOTH COMPRESSED

Explanation: You cannot transform a compressed index to another compressed index with a larger page size.

User response: Rebuild the index.

BMC96037S  INCONSISTENCY FOUND IN SECURITY CHECK, RC = returnCode

Explanation: An internal error has occurred.

User response: Contact BMC Customer Support.

BMC96038E  SECURITY CHECK FAILED, RC = X'hexValue'

Explanation: The BMC security check failed. This can occur when the trial period has expired, when you run a product on an unauthorized CPU, or when you access the wrong authorization module.

User response: See the job log for messages. If the trial period has expired, contact BMC Customer Support for assistance.

BMC96039I  PRODUCT = productName

Explanation: This message identifies the product issuing the BMC96037 or BMC96038 message.

User response: No action is required.

BMC96042W  PLAN NAME planName NOT FOUND IN SYSIBM.SYSPLAN

Explanation: The utility was unable to select a row from SYSIBM.SYSPLAN for the plan name specified in the installation options module PLANACP or PLANARU field. RECOVER PLUS cannot verify that it is using recovery resources consistent with other BMC products. If the job is unable to continue without this verification, subsequent messages provide further explanation. Otherwise, the job ends with condition code 4.

User response: To correct the discrepancy identified, be sure that COPY PLUS for DB2 (PLANACP) and REORG PLUS for DB2 (PLANARU), if they are installed, are using the same recovery resources as RECOVER PLUS. To disable this verification, remove the PLANACp and PLANARU values from the RECOVER PLUS installation options module.

BMC96043W  NO BMCXCOPY SYNONYMS FOUND FOR productName. PLAN = planName

Explanation: The utility was unable to find a BMCXCOPY synonym in SYSIBM.SYSSYNONYM for the product specified. The creator name used is the QUALIFIER column from SYSIBM.SYSPLAN for the specified plan name. RECOVER PLUS cannot verify that it is using recovery resources consistent with other BMC products. If the job is unable to continue without this verification, subsequent messages provide further explanation. Otherwise, the job ends with condition code 4.

User response: To correct the discrepancy identified, be sure that COPY PLUS for DB2 (PLANACP) and REORG PLUS for DB2 (PLANARU), if they are
installed, are using the same recovery resources as RECOVER PLUS. To disable this verification, remove the PLANACP and PLANARU values from the RECOVER PLUS installation options module.

**BMC96044W NO SYSPLANDEP ROW FOR PLAN planName AND SYNONYM synonymName**

*Explanation:* The utility was unable to select a row from SYSIBM.SYSPLANDEP to verify that the plan name specified in the installation options module PLANACP or PLANARU field is using the synonym name displayed. RECOVER PLUS cannot verify that it is using recovery resources consistent with other BMC products. If the job is unable to continue without this verification, subsequent messages will provide further explanation. Otherwise, the job ends with condition code 4.

*User response:* To correct the discrepancy identified, be sure that COPY PLUS for DB2 (PLANACP) and REORG PLUS for DB2 (PLANARU), if they are installed, are using the same recovery resources as RECOVER PLUS. To disable this verification, remove the PLANACP and PLANARU values from the RECOVER PLUS installation options module.

**BMC96045I DYNAMICALLY ALLOCATING INDEPENDENT OUTSPACE DATASET**

*Explanation:* This informational message indicates that data sets for the INDEPENDENT OUTSPACE option are being dynamically allocated.

*User response:* No action is required.

**BMC96046I LOG FILE SEQUENCE ERROR ENCOUNTERED IN BSDS bsdsName**

*Explanation:* RECOVER PLUS encountered a file sequencing error while processing log file entries in the BSDS.

*User response:* Save the complete job output and dump. Execute print log map (DSNJU004) for the named BSDS and save the output. Contact BMC Customer Support.

**BMC96047I ESTIMATED TIME = hh:mm:ss**

*Explanation:* This informational message is in the Plan Summary and gives the estimated elapsed time to perform a step (described in the preceding messages) in the recovery.

*User response:* No action is required.

**BMC96048E PERFORMANCE DATA WILL NOT BE SAVED**

*Explanation:* This message indicates that the utility will not save performance and estimation data during this run. The preceding messages provide more detail. This message is informational if data is actually being recovered. If you
specified ANALYZE ONLY or OPTION SIMULATE YES, the message is a severe error message, and the run ends with return code 8.

*User response:* No action is required. If you want to save performance data in the repository, you can correct the condition identified in the accompanying messages and resubmit the job.

**BMC96049I**

**ACTIVE UTILITY RUN ID idValue IS VERSION repositoryVersionNumber, WHICH DOES NOT MATCH THE CURRENT VERSION repositoryCodeVersionNumber**

*Explanation:* There is a mismatch between the version levels of the repository code and the data stored in the repository. The probable cause of the message is a partial installation.

*User response:* If repositoryCodeVersionNumber is lower than repositoryCodeVersionNumber, you must install the current version of the utility. If repositoryCodeVersionNumber is lower than repositoryCodeVersionNumber, you should run a repository conversion program provided with the installation system.

**BMC96050I**

**NO ACTIVE UTILITY RUN WAS FOUND**

*Explanation:* The utility searched the repository for records (created by an initial run of the RECOVERY MANAGER program, ARMBWDC) that matched this utility run and found no active entries.

*User response:* Check the output from the run to see if it failed or if it did not write a record.

**BMC96051I**

**MORE THAN ONE ACTIVE UTILITY RUN WAS FOUND**

*Explanation:* The utility found more than one run matching the value created by the RECOVERY MANAGER program, ARMBRDC. The probable cause of this message is an inadvertent rerun of the job.

*User response:* If you want to collect performance and estimation data, delete one of the active rows and resubmit the job.

**BMC96052I**

**ESTIMATED PLAN EXECUTION TIME = hh:mm:ss**

*Explanation:* This informational message is in the utility execution summary and gives the estimate of the total elapsed time necessary to run the utility. Note that this estimate may differ greatly from the actual recovery execution time that you experience because of environmental factors such as processor speed, amount of memory available, and system load.

*User response:* No action is required.

**BMC96053I**

**EXECUTION SUMMARY (ESTIMATED)**

*Explanation:* The utility issues this informational message if you specified ANALYZE ONLY. This message precedes other messages that provide the number of spaces that the utility estimates will be recovered.

*User response:* No action is required.
TABLE SPACES (PARTITIONS) TO BE RECOVERED: numberTableSpaces (numberPartitions)

Explanation: The utility issues this informational message if you specified ANALYZE ONLY. This message gives the total number of table spaces that would be recovered if you actually run the recovery job. The number in parentheses is the total number of partitions in all of the partitioned table spaces.

User response: No action is required.

INDEX SPACES (PARTITIONS) TO BE RECOVERED: numberIndexSpaces (numberPartitions)

Explanation: The utility issues this informational message if you specified ANALYZE ONLY. This message gives the total number of indexes that would be recovered (by applying log records to an image copy of each index, instead of rebuilding) if you actually run the recovery job. The number in parentheses is the total number of partitions in all of the partitioned indexes that would be recovered.

User response: No action is required.

LOG RECORDS TO BE APPLIED: numberLogRecords

Explanation: The utility issues this informational message if you specified ANALYZE ONLY. This message gives an estimate of the number of log records that will be applied if you actually run the recovery job. Note that this estimate may differ greatly from the number of log records that are applied if you run the recovery job.

User response: No action is required.

CHANGE ACCUM GROUPS TO BE PROCESSED: numberChangeAccumGroups

Explanation: The utility issues this informational message if you specified ANALYZE ONLY. This message gives the number of change accumulation groups that will be processed if you actually run the recovery job.

User response: No action is required.

OUTPUT IMAGE COPIES TO BE CREATED: numberImageCopies

Explanation: The utility issues this informational message if you specified ANALYZE ONLY. This message gives the number of image copies that will be created if you actually run the recovery job. This number reflects OUTCOPY YES and OUTCOPY ONLY requests.

User response: No action is required.
INDEXES TO BE REBUILT: numberIndexesRebuilt

Explanation: The utility issues this informational message if you specified ANALYZE ONLY. This message gives the number of indexes that will be rebuilt if you actually run the recovery job.

User response: No action is required.

ESTIMATED TIME TO RECOVER PAGESET = hh:mm:ss

Explanation: This informational message is in the Object Summary and presents the estimated elapsed time to recover the object that is described in the Object Summary. The object could be all of the data sets of a nonpartitioned table space or index, or a single partition of a partitioned table space or index. The estimate includes the time to allocate input and output data sets, and to read and write them. The estimate also includes log apply time. Size estimates are based on catalog data. This estimate does not include sort time. (BMC96061 gives key sort time for a table space.)

User response: No action is required.

NET ESTIMATED TIME FOR numberKeySorts KEYSORT(S) = hh:mm:ss

Explanation: This informational message is in the Object Summary for a table space and gives the longest estimated time for the number of concurrent key sorts that are planned for this table space. The utility issues the message only for the last partition of a partitioned table space that will be recovered. In the case where the recovery will run one or more rebuilds without RECOVER TABLESPACE for a partitioned table space, and will use parallel unloads, this message is at the end of each group of partitions that will be unloaded by one subtask.

This message is also in the Object Summary for an index and reflects the one or more key sorts that provide keys to the index rebuild process. Again, the utility reports longest sort time.

User response: No action is required. If you adjust the MAXKSORT value, you will probably change the estimated time.

NET ESTIMATED TIME FOR numberIndexRebuilds INDEX BUILD(S) = hh:mm:ss

Explanation: This informational message is in the Object Summary for a table space and gives the estimated time for the rebuilds of all of the indexes for the table space. The utility issues the message only for the last partition of a partitioned table space. This message reflects the longest estimated time for any build subtask. To find times for individual index builds, look in the Object Summary for the builds.

User response: No action is required.
BMC96063I  ESTIMATED TIME TO RECOVER TABLESPACE AND INDEXES = \texttt{hh:mm:ss}

\textit{Explanation:} This informational message is in the Object Summary for a table space and presents the estimated elapsed time for the recovery of the table space and all of its indexes that are named in the job. The utility issues the message only for the last partition of a partitioned table space. The estimate includes all sort time and considers parallel execution of sorts and phases.

\textit{User response:} No action is required. The intent of this message is to provide a starting point for attempts to reduce recovery time. The table spaces with the highest estimated times as reported in this message are the ones to concentrate on first when tuning recovery. If the utility is saving the estimation data in the repository, the table spaces and their indexes with the highest times are saved (to limit the amount of detail data stored).

BMC96064I  ESTIMATED TIME FOR BUILD = \texttt{hh:mm:ss}

\textit{Explanation:} This informational message is in the Object Summary for an index and gives the estimated elapsed time to perform the index rebuild. This estimate does not include key sort time.

\textit{User response:} No action is required.

BMC96065I  ESTIMATED TIME TO UNLOAD \texttt{numberPartitions PARTITION(S)} = \texttt{hh:mm:ss}

\textit{Explanation:} This informational message is in the Object Summary for a partitioned table space and gives the estimated time to unload a number of partitions in a subtask. The utility issues this message only for the last partition in each group of partitions that are to be unloaded together. This estimate does not include sort time.

\textit{User response:} No action is required.

BMC96066I  NET ESTIMATED TIME TO UNLOAD TABLESPACE = \texttt{hh:mm:ss}

\textit{Explanation:} This informational message is in the Object Summary for a partitioned table space and gives the longest estimated time to unload a number of partitions in a subtask. The utility issues this message only for the last partition in the table space. This estimate does not include sort time.

\textit{User response:} No action is required.

BMC96067I  ESTIMATED TOTAL TIME TO REBUILD INDEX(ES) = \texttt{hh:mm:ss}

\textit{Explanation:} This informational message is in the Object Summary for a partitioned table space and gives the total estimated time to unload all of the partitions, sort all of the keys, and rebuild all of the indexes of the table space. The utility issues this message only for the last partition in the table space.

\textit{User response:} No action is required.

BMC96068I  ESTIMATED TIME FOR \texttt{phaseName PHASE} = \texttt{hh:mm:ss}

\textit{Explanation:} This informational message is in the Plan Summary at the end of the messages describing an execution phase and gives the net elapsed time estimated for the phase. In the case of merges and unloads, the estimate does
not include sort time estimates, even though the utility gives sort estimates in the detail messages for the phase.

User response: No action is required.

**BMC96069I**

PERFORMANCE AND ESTIMATION DATA \textit{mm:dd:yyyy hh:mm:ss}

Explanation: This message is the first line of the heading for the AFRTIME report.

User response: No action is required.

**BMC96070I**

TOP \textit{numberTableSpaces} TABLESPACE(S), IN DESCENDING ORDER BY ELAPSED TIME

Explanation: This message is a secondary heading for the AFRTIME report. This report lists the table spaces for which the highest elapsed times were recorded to recover each table space and all its indexes. If this is an ANALYZE ONLY run, the utility does not issue this message.

User response: No action is required.

**BMC96071I**

(EACH VALUE IS THE TIME TO RECOVER THE TABLESPACE AND ALL ITS INDEXES)

Explanation: This message is the third line of the heading for the AFRTIME report.

User response: No action is required.

**BMC96072I**

TOP \textit{numberTableSpaces} TABLESPACE(S), IN DESCENDING ORDER BY ESTIMATED ELAPSED TIME

Explanation: This message is a secondary heading for the AFRTIME report. This report lists the table spaces for which the highest elapsed times were estimated to recover each table space and all its indexes. In a run in which spaces are actually recovered, the utility issues this message after listing the top table spaces by recovery time.

User response: No action is required.

**BMC96073I**

(EACH VALUE IS THE ESTIMATED TIME TO RECOVER THE TABLESPACE AND ALL ITS INDEXES)

Explanation: This message is the third line of the heading for the AFRTIME report.

User response: No action is required.

**BMC96074I**

TABLESPACE NAME ESTIMATED TIME RECORDED ELAPSED TIME

Explanation: This message is column heading for the part of the AFRTIME report that sorts by elapsed time.

User response: No action is required.
**TABLESPACE NAME ESTIMATED TIME**

*Explanation:* This message is the column heading for the part of the AFRTIME report that sorts by estimated elapsed time.

*User response:* No action is required.

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**databaseName.tableSpaceName hh:mm:ss**

*Explanation:* This message is in the AFRTIME report and gives the estimated time to recover a table space and all its indexes, as well as the recorded time. The utility lists the table spaces in descending order by elapsed time.

*User response:* No action is required.

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**ERROR WRITING LOG ANALYSIS SYSIN, RC= reasonCode**

*Explanation:* The utility encountered an error while preparing SYSIN to analyze the log for inflight transactions.

*User response:* Contact BMC Customer Support.

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**ERROR DURING LOG ANALYSIS, RC= reasonCode**

*Explanation:* The utility encountered an error during log analysis while trying to identify inflight transactions.

*User response:* Examine the log analysis output DD for additional information.

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**ESTIMATION AND PERFORMANCE DATA COULD NOT BE SAVED. CHECK EARLIER MESSAGES FOR DETAILS**

*Explanation:* One or more errors occurred that prevented the utility from saving estimation and performance data in the repository. Earlier messages provide details of the errors. If this run is not actually performing recoveries (if you specified ANALYZE ONLY or SIMULATE YES), this message causes the utility to terminate with a return code. If recoveries are actually being performed, this message is informational.

*User response:* No action is required. If the purpose of the run is to collect estimates or performance statistics, you may want to correct the error condition and resubmit the job.

---

**APPLIED = appliedValue**

*Explanation:* This message follows one of the messages BMC40792, BMC40987, BMC40988, or BMC40989 and shows the number of change accumulation or log records that the utility applied to page images. (The utility does not apply some updates because the PGLOGRBA field on the page is higher than the LRSN or...
RBA of the log record.) This number is always zero in cases where the utility performs change accumulation, but not recovery.

**User response:** No action is required.

**BMC96083I**  
**BACKED OUT numberRecords INFLIGHT LOG RECORD(S) PRIOR TO CONSISTENT POINT**

*Explanation:* The utility resolved inflight transactions by backing out the number of log records indicated.

*User response:* If the space is a table space, it is left in COPY status. If it is an index defined with the COPY YES attribute, it is left in ICOPY status. If you want to update a table space in COPY status, you must first perform a full image copy.

**BMC96084S**  
**ERROR EXPANDING SYMBOLIC VARIABLES FOR ddname**

*Explanation:* The program was unable to expand the symbolic variables to allocate the file identified by `ddname`. A subsequent BMC40302S message displays the specified data set name.

*User response:* Correct the symbolic variables so that the data set name can be resolved. If the symbolic variables appear to be correct, contact BMC Customer Support.

**BMC96085I**  
**{RBA | LRSN} AT POINT OF CONSISTENCY IS logPoint**

*Explanation:* The value displayed is the log point of the log record that the utility determined to be the point of consistency. If the job specified OPTION RECOVERYPOINT TIMESTAMP, the utility has examined the timestamps on log records read to determine this value.

*User response:* No action is required.

**BMC96086S**  
**FIRST (OR ALL) IN GROUP: listPartitionNumbers**

*Explanation:* When RECOVER PLUS unloads partitions in parallel, this message follows BMC96065 (which gives the number of partitions unloaded from a group) and lists up to the first 10 partitions in the group. If less than 10 partitions exist in the group, RECOVER PLUS lists all of the partitions in the group.

*User response:* No action is required.

**BMC96087I**  
**NOTE: AN ASTERISK IN THE ESTIMATED TIME COLUMN INDICATES THAT THE ESTIMATE MAY BE INACCURATE**

*Explanation:* This informational message appears in the AFRTIME report, and is issued if an asterisk appears in one or more of the preceding BMC96076 or BMC96077 messages (which report estimated times). The BMC96087 message is followed by BMC96088. Together, they explain that the total estimate for recovery of the table space and all its indexes will probably not reflect current
statistics because there is at least one page set in the set of the table space and its indexes for which RUNSTATS has not been run.

_User response:_ To improve the accuracy of the estimate, you can run the RUNSTATS utility against the table space and its indexes. Column statistics are not necessary.

**BMC96088I**  
**BECAUSE RUNSTATS HAS NOT BEEN RUN AGAINST ONE OR MORE OBJECTS IN THE TABLESPACE**

_Explanation:_ Refer to the explanation for message BMC96087.

_User response:_ Refer to the explanation for message BMC96087.

**BMC96089I**  
**EXECUTING LOG ANALYSIS TO DETECT INFIGHT UNITS OF RECOVERY**

_Explanation:_ The utility is invoking the Log Master product to perform log analysis because of a RECOVERYPOINT specification.

_User response:_ This message is for information only. No action is required.

**BMC96090E**  
**MODULE moduleName REQUIRED FOR LOG ANALYSIS NOT FOUND**

_Explanation:_ During execution of a RECOVER command including a RECOVERYPOINT specification, the utility has detected that the load module required for log analysis is not present.

_User response:_ Be sure the load library including the appropriate Log Master load module is concatenated in the STEPLIB DD statement.

**BMC96092S**  
**ERROR INITIALIZING DB2 OBJECT ANALYSIS. RC = returnCode**

_Explanation:_ The program has encountered an error initializing an internal process.

_User response:_ Contact BMC Customer Support.

**BMC96093S**  
**UNKNOWN ERROR IN DB2 OBJECT ANALYSIS. RC = returnCode**

_Explanation:_ The utility has experienced a severe error while processing the DB2 Catalog API.

_User response:_ Contact BMC Customer Support.

**BMC96094S**  
**ERROR IN DB2 OBJECT ANALYSIS. RC = returnCode, REASON = reasonCode**

_Explanation:_ The utility has experienced a severe error while processing the DB2 Catalog API. Subsequent messages further describe the problem.

_User response:_ Contact BMC Customer Support.

**BMC96095S**  
**string**

_Explanation:_ This message follows BMC96094 and provides more information about an error while processing the DB2 Catalog API.

_User response:_ Contact BMC Customer Support.
**BMC96096I**  SPACE IN SYSLGRNX NOT IN DB2. DBID dbid PSID psid

*Explanation:* The utility has detected that a space identified by the DBID and PSID displayed is represented in SYSLGRNX but is not defined to the DB2 catalog. This condition can result from dropping a table space without first using the MODIFY utility or the BMC MODIFY command to remove all entries from DSNDB01.SYSLGRNX. For further information, see the section on Deleting SYSLGRNG records for dropped table spaces in the discussion of the DROP statement in the DB2 SQL Reference Manual.

*User response:* No action is required. The presence of a large number of these messages may indicate inefficient space usage in the DSNDB01.SYSLGRNX table space.

**BMC96097E**  TYPE, NUMBER OR LENGTH OF FIXED COLUMNS HAS BEEN ALTERED. USE REBUILD TO RECOVER THE INDEX

*Explanation:* The active versions of the index do not match. There were some ALTERs since the last REBUILD/REORG/LOAD REPLACE. Either columns were added, the type of column was changed, or the length of fixed length column was changed. RECOVER PLUS does not support an index recovery if active versions have such mismatches. However, RECOVER PLUS does support index recovery if a different length of VARCHAR columns result from an ALTER VARCHAR process.

*User response:* REBUILD or REORG the index.

**BMC96098S**  string, CODE = code, DBID = X'hexValue1', ID = X'hexValue2', DSNUM = dsNum

*Explanation:* This is a diagnostic message that is issued when DBD access fails.

*User response:* Contact BMC Customer Support.

**BMC96099I**  EXTERNAL DB2 SECURITY EXIT WILL NOT BE USED

*Explanation:* The external exit returned a code to indicate that it is not to be called again. This will be normal if the default external exit (DSNX@XAC) is installed on the DB2 subsystem.

*User response:* No action is required if you do not intend to use DB2 external security. Otherwise, refer to the IBM manual regarding the authorization exit and make desired changes.

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**Messages BMC96100 through BMC96199**

For the RECOVER PLUS for DB2 product, this topic explains each message in the designated range.
TABLE SPACES WITH MORE THAN 254 PARTITIONS AND ASSOCIATED INDEXES ARE NOT SUPPORTED

Explanation: In this release, RECOVER PLUS does not support the recovery of table spaces with more than 254 partitions and associated indexes.

User response: Use the DB2 RECOVER utility to recover table spaces with more than 254 partitions and associated indexes.

db2Feature NOT SUPPORTED FOR spaceType SPACE databaseName.tableSpaceName

Explanation: In this release, RECOVER PLUS does not support the db2Feature indicated in this message for the specified table space or index space.

User response: Use the IBM DB2 RECOVER utility to recover this object.

source: (NOT) SEGMENTED (SEGSIZE = segSize)

Explanation: This is a diagnostic message, which follows BMC40472. This message indicates whether the image copy is segmented or not segmented, but the DB2 catalog definition does not match.

User response: Determine why the image copy does not match the table space that you are recovering.

source: (NOT) PARTITIONED

Explanation: This is a diagnostic message, which follows BMC40472. This message indicates whether the image copy is partitioned or not partitioned, but the DB2 catalog definition does not match.

User response: Determine why the image copy does not match the table space that you are recovering.

source: (NOT) LARGE

Explanation: This is a diagnostic message, which follows BMC40472. This message indicates whether the image copy is large or not large, but the DB2 catalog definition does not match.

User response: Determine why the image copy does not match the table space that you are recovering.

ciSize IS NOT A VALID CISIZE FOR SPACE

Explanation: This message indicates that the control interval size (CISIZE) specified is not valid. The CISIZE of an index space must always be 4 KB. When you are working with a DB2 version earlier than version 8, the only valid CISIZE for a table space is 4 KB. When you are working with DB2 version 8 and later, valid CI sizes for a table space may be either 4 KB or the page size (4 KB, 8 KB, 16 KB, or 32 KB) of the table space.

User response: Determine why the space does not have a valid CISIZE. An attempt to do a forward recovery of the space using REDEFINE YES (the default) or REUSE will delete and reallocate the space with a valid CISIZE. You will not be able to perform a BACKOUT recovery, a forward recovery with
REDEFINE NO, or use the space as input for a function such as REBUILD INDEX or RECOVER UNLOADKEYS.

**BMC96106E**  **THE LENGTH OF THE INDEX KEY (keyLength BYTES) EXCEEDS THE SUPPORTED MAXIMUM (maxLength BYTES)**

*Explanation:* The total length of the index key is `keyLength`. This release of RECOVER PLUS does not support an index recovery if the total index key length exceeds `maxLength`.

*User response:* Recreate the index and decrease the key length or use the DB2 RECOVER utility. Before running the DB2 RECOVER utility, you might need to start the index because the index might be in a STOP status.

**BMC96107E**  **CHANGE ACCUMULATION IS NOT SUPPORTED WITH OPTION RECOVERYPOINT**

*Explanation:* You cannot use change accumulation (the ACCUM command) when you use the RECOVERYPOINT option.

*User response:* Use recovery resources other than change accumulation files and rerun your job.

**BMC96108E**  **THIS VERSION OF RECOVER PLUS IS NOT SUPPORTED FOR YOUR OPERATING SYSTEM**

*Explanation:* This version of RECOVER PLUS must run under z/OS or OS/390 version 1.3 or higher.

*User response:* Either upgrade your operating system or use a RECOVER PLUS version earlier than RECOVER PLUS version 5.1.

**BMC96109E**  **INPUT SPACE IMAGE HAS NO HEADER PAGE**

*Explanation:* RECOVER PLUS found no header page in the input copy or from the space itself if the recovery is from logs. RECOVER PLUS also issues this message if the input copy is empty.

*User response:* You must use other recovery resources.

**BMC96110E**  **RECOVERY POINT MAY BE INSIDE OF VERSION MODIFICATION RANGE**

*Explanation:* For forward TIMESTAMP recovery, the utility issues this message when the utility determines that updates to system pages after an ALTER TABLE command fall within the inflight range of the requested recovery point. Executing a forward TIMESTAMP recovery to a point that has updates to system pages in the inflight range is invalid.

*User response:* Specify a timestamp point outside of the version modification range or use BACKOUT recovery.
**BMC96111I**  
DEFAULT RESOURCE SELECTION SEQUENCE FOR LOCAL SITE

*Explanation:* The message precedes messages BMC96113 and BMC96114, which give the resource selection sequence to use for image copies and change accumulation files for local site recoveries.

*User response:* This message is for information only. No action is required.

**BMC96112I**  
DEFAULT RESOURCE SELECTION SEQUENCE FOR REMOTE SITE

*Explanation:* The message precedes messages BMC96113 and BMC96114, which give the resource selection sequence to use for image copies and change accumulation files for remote site recoveries.

*User response:* This message is for information only. No action is required.

**BMC96113I**  
COPIES = (resourceSelection1, resourceSelection2) (DEFAULT SEQUENCE FOR IMAGE COPIES)

*Explanation:* This message gives the resource selection sequence to use for image copies for local and remote site recoveries. The default is specified in the AFR$OPTS file. Values for resourceSelection include LP for local primary, LB for local secondary, RP for remote primary, RB for remote secondary, and FC for a FlashCopy, in any order.

*User response:* This message is for information only. No action is required.

**BMC96114I**  
ACCUMS = (resourceSelection1, resourceSelection2) (DEFAULT SEQUENCE FOR CA FILES)

*Explanation:* This message gives the resource selection sequence to use for change accumulation files for local and remote site recoveries. The default is specified in the AFR$OPTS file. Values for resourceSelection include LP for local primary, LB for local secondary, RP for remote primary, and RB for remote secondary, in any order.

*User response:* This message is for information only. No action is required.

**BMC96115E**  
featureName FEATURE REQUIRES solutionName SOLUTION AUTHORIZATION

*Explanation:* The feature identified is invalid without a password for the solution identified.

*User response:* Contact BMC to acquire a password for the solution. Until that password is available, change the syntax for this job so that the feature is not requested.

**BMC96117E**  
RECOVERY OF INDEX databaseName.tsname [DSNUM dsNum] IS INVALID WITH OPTION RECOVERYPOINT

*Explanation:* The utility was requested to recover the index identified in a forward recovery using OPTION RECOVERYPOINT. This function is not supported. If the job specifies INDEXLOG AUTO, this message is issued as
BMC96117I and the product subsequently attempts to convert the request to a REBUILD command.

User response:  If a REBUILD command is acceptable, either specify the INDEXLOG AUTO option or the REBUILD INDEX command.

BMC96118E  SPECIFIED TIMESTAMP MAY BE INSIDE AN EXISTING POINT-IN-TIME RECOVERY RANGE

Explanation:  This message is issued in non-data-sharing environments when the syntax specifies OPTION BACKOUT RECOVERYPOINT TIMESTAMP timestamp and the utility determines that the timestamp specified may fall within an existing point-in-time recovery range. Executing a BACKOUT recovery to a point on the log inside an existing point-in-time recovery range is invalid. Because recovery to a timestamp in non-data sharing causes the utility to do some approximation in analysis, it may be possible to recover to the desired point by specifying OPTION RECOVERYPOINT LOGPOINT X'rba' instead.

This message is followed by other messages to identify the table space or index being processed at the time of the error.

User response:  Either specify RECOVERYPOINT LOGPOINT X'rba' or contact BMC Customer Support for further assistance.

BMC96119S  UNCOMMITTED UPDATE ON INPUT COPY AT RBA/LRSN X'logPoint'

Explanation:  The utility has detected that the input copy used in a forward recovery includes updates from transactions that were inflight at the LOGPOINT or TIMESTAMP specified in the RECOVERYPOINT option. This input copy is not valid for forward recovery to the specified point.

User response:  The utility attempts to fall back to an earlier copy and proceed with the recovery. If that fallback is successful, no further action is required. If it is not successful, specify a RECOVERYPOINT value that is high enough to ensure that no inflight updates exist on the copy. If you require assistance determining that point, contact BMC Customer Support.

BMC96120S  URID X'urid dataSharingMemberID'

Explanation:  This message follows message BMC96119 to identify the unit of recovery inflight at the specified RECOVERYPOINT and with updates on the input copy. If the job was executed in a data sharing group, the data sharing member ID that owns the indicated unit of recovery is also displayed.

User response:  Refer to the Open Transaction report (DDNAME SYS000nn) in the job output to find details about this unit of recovery.
**BMC96121E**  
**SPACES WITH MORE THAN integer PARTS REQUIRE THE OUTPUT COMMAND FOR OUTCOPY PROCESSING**  
*Explanation:* Dynamic allocation of OUTCOPY data sets is required for spaces with more than 254 parts.  
*User response:* Modify SYSIN to contain a valid OUTPUT descriptor that is referred to in the OUTCOPY statement.

**BMC96122S**  
**SPACE MAP USAGE BITS INDICATE PAGE X'pageNumber' IN USE BUT IT IS EMPTY**  
*Explanation:* The utility has detected that the space map indicates that the page identified is in use, but the page is empty. This condition can only occur if there is a problem with the image copy or log records in use.  
*User response:* Contact BMC Customer Support.

**BMC96123W**  
**LOG NO TABLE SPACE SET TO AUXW BECAUSE ONE OR MORE UPDATES FOUND DURING RECOVERY**  
*Explanation:* The utility detected updates for one or more LOBs during recovery of a LOG NO auxiliary table space. The objects updated could not be recovered and are marked invalid.  
*User response:* Any attempt to SELECT the rows associated with the invalid LOBs will result in SQLCODE -904 with reason code 00C900D0. The affected objects are available for update or deletion, and all other LOBs in the table space are unaffected.

**BMC96124W**  
**LOG NO UPDATE FOR ROWID(X'rowID'), VERSION versionNumber**  
*Explanation:* This message indicates that the utility detected an update for the LOB identified by the row ID and version values and that, at the time of the update, the LOB auxiliary table space was defined as LOG NO. The LOB associated with that row ID is invalidated and the auxiliary table space is left in AUXW status. One BMC96124 message is issued for each LOG NO update detected.  
*User response:* Use the row ID displayed to identify the row associated with the invalidated LOB. The LOB column is available for update. Use SQL to update the invalidated LOB to a new value or delete the row. When all such invalid LOBs have been resolved, run the CHECK LOB utility to remove the AUXW status on the auxiliary table space.

**BMC96125I**  
**NUMBER OF LOW LEVEL SPACE MAPS EXAMINED = numberLowLevelSpaceMaps KEYS EXTRACTED = numberKeys**  
*Explanation:* This message presents statistics from key extraction on a LOB table space. The number of keys extracted reflects the key records output, one for each LOB in the space.  
*User response:* No action is required.
**BMC96126S**  
**UNEXPECTED REASON CODE reasonCode RETURNED FROM DYNAMIC BIND PROGRAM. RETURN CODE IS returnCode**  

**Explanation:** This message indicates an internal error in the product. Additional diagnostics are presented in BMC40020 messages following the BMC96126 message.  

**User response:** Contact BMC Customer Support. Have the output of the failing run available.

**BMC96127I**  
**RETURN CODE returnCode FROM DYNAMIC BIND. OUTPUT FROM BIND FOLLOWS:**  

**Explanation:** This message indicates that the utility detected the need for an automatic BIND of a package and has reported the return code from the BIND. The BIND output messages are presented in BMC40020 messages following the BMC96127 message. This message is issued for all binds if you specified MSGLEVEL(2). Otherwise, this message is issued only for nonzero return codes. The message is informational if the BIND return code is 0 or 4. If the return code is 8, the message is an error and the utility terminates with return code 8.  

Note that some BIND return code 4 messages may indicate a serious problem (for example, that an essential table does not exist). In these cases, SQL errors are reported later in the run.  

**User response:** You do not need to do anything if the utility completed successfully. If the error messages indicate that a table or synonym is missing, you can rerun the appropriate part of the utility install on the DB2 subsystem. If you need help correcting the problem, please contact BMC Customer Support.

**BMC96128S**  
**DYNAMIC BIND FAILED BECAUSE VERSION versionNumber OF THE API IS INCOMPATIBLE WITH VERSION versionNumber OF THE CALLING CODE**  

**Explanation:** This message indicates that the dynamic bind API is at a different level than that of the utility (the version numbers reported in the message are relative), and that the two are incompatible. In most cases, this situation occurs because the installation of the utility did not complete successfully.  

**User response:** Please contact BMC Customer Support. Please have the outputs from your install jobs available.

**BMC96129S**  
**DYNAMIC BIND FAILED BECAUSE AN UNKNOWN VERSION OF THE API IS INCOMPATIBLE WITH VERSION versionNumber OF THE CALLING CODE**  

**Explanation:** This message indicates that the dynamic bind API is at a different level than that of the utility (the version number reported in the message is relative), and that the API is at a lower version. In most cases, this situation occurs because the installation of the utility did not complete successfully.  

**User response:** Please contact BMC Customer Support. Please have the outputs from your install jobs available.
**BMC96130S**  
**DYNAMIC BIND FAILED BECAUSE THE API COULD NOT BE LOADED**

*Explanation:* This message means that the dynamic bind API was not loaded. A dump is produced in DDNAME SYSERR. The API consists of two load modules, SCCBLDR and SCCBPKG.

*User response:* Verify that the two load modules are in one of the libraries in your STEPLIB or JOBLIB DD. If they are not, check your install output. They should have been unloaded as part of the utility installation. If the modules appear to be there, please contact BMC Customer Support and be prepared to send the dump.

**BMC96131E**  
**THE UTILITY CANNOT RUN BECAUSE SYNONYM synonymName DOES NOT EXIST FOR ID creatorName**

*Explanation:* This message indicates that a check for a synonym name referenced in the utility code failed. This message is followed by BMC96132. The utility fails with return code 8.

*User response:* Check your installation output to make sure the correct synonym was defined, and that the user ID used to define the synonym was specified as the QUALIFIER in the BIND PLAN command for the utility plan.

**BMC96132E**  
**ID creatorName IS THE QUALIFIER FOR THE UTILITY PLAN planName**

*Explanation:* This message follows BMC96131, to further explain the derivation of the creator name that is mentioned in that message.

*User response:* No action is required.

**BMC96133E**  
**AN INTERNAL OR ENVIRONMENTAL ERROR HAS OCCURRED IN THE DYNAMIC BIND API (REASON CODE IS reasonCode). CONTROL BLOCK DUMPS FOLLOW**

*Explanation:* An unexpected condition has been detected during the dynamic bind process. This message is intended to provide information to BMC Customer Support personnel to help them resolve the problem as quickly as possible. Several messages follow to dump the specific control blocks involved in the API call. A dump is taken to the SYSERR DD at the time of this error message.

*User response:* Collect all of the output from the failing run including the dump. Contact BMC Customer Support.

**BMC96134E**  
**A SQL ERROR HAS OCCURRED IN THE DYNAMIC BIND API. DETAILS FOLLOW**

*Explanation:* This message indicates that SQL to extract environmental information in the dynamic bind API has failed. Several BMC40020 messages follow containing DSNTIAR output to explain the SQL error. The utility fails with return code 8. The most likely reason for this error is a problem in the installation and configuration of the utility. The SQLCODE -805 or -818 shown in the following messages probably indicates that the plan for the utility was
not bound correctly. The plan must refer only to PKLIST and not to any MEMBER specifications.

User response: If the SQLCODE is one of those referred to above, check your install output and make sure the plan was bound correctly, and that it is the plan displayed in the BMC40924I message at the beginning of utility execution. In this case, make any necessary corrections, BIND the plan, and retry utility execution.

If the SQLCODE is not one of those referred to above, or if the above procedure does not cause the utility to work, contact BMC Customer Support. Please have the output from the utility and your install output available.

BMC96135E  A DB2 ATTACHMENT ERROR HAS OCCURRED IN THE DYNAMIC BIND API. DETAILS FOLLOW

Explanation: An unexpected condition was detected during the dynamic bind process. This message is intended to provide information to BMC Customer Support to help them resolve the problem as quickly as possible. Several messages will follow to dump more specific error messages.

User response: Collect all of the output from the failing run. Contact BMC Customer Support.

BMC96136E  AN ERROR IN FILE PROCESSING HAS OCCURRED IN THE DYNAMIC BIND API. DETAILS FOLLOW

Explanation: An unexpected condition was detected during the dynamic bind process. This message is intended to provide information to BMC Customer Support to help them resolve the problem as quickly as possible. Several messages will follow to dump more specific error messages.

User response: Collect all of the output from the failing run. Contact BMC Customer Support.

BMC96137S  CATASTROPHIC ERROR IN THE DYNAMIC BIND API, LEAVING CATALOG UPDATE ENABLED (SPRMCTU BIT)

Explanation: An abend or other unexpected condition occurred during the dynamic bind process. This message is a warning that the SPRMCTU bit in DSNZPARM is on which allows users with the correct DB2 authorization to update any catalog tables and columns. The utility ends with return code 12.

User response: Collect all of the output from the failing run. Contact BMC Customer Support. Your options are to bring DB2 down and back up, clearing the condition, to tolerate the risk of unwanted catalog updates until DB2 is next planned to be brought down, or to attempt other recovery actions suggested by BMC Customer Support.

BMC96138S  YOU CAN TRY BRINGING DB2 DOWN AND BACK UP, OR CONTACT BMC SUPPORT

Explanation: This is an explanatory message that follows BMC96137.

User response: Refer to the instructions for message BMC96137.
**BMC96139E** A SERIOUS ERROR HAS OCCURRED IN THE DYNAMIC BIND API, LEAVING A SYSTABLES ROW WITH INVALID IDS

*Explanation:* This message indicates a failure in the dynamic bind process. A row in SYSIBM.SYSTABLES was left with invalid values for DBID and OBID. This may cause failures in the install of other BMC products that share the table. Several explanatory messages follow.

*User response:* Contact BMC Customer Support immediately. Please have all of the output from the failing utility available.

**BMC96140E** CONTACT BMCSUPPORT FOR RECOVER PLUS  for DB2

*Explanation:* This is an explanatory message that follows BMC96139.

*User response:* Refer to the instructions for message BMC96139.

**BMC96141I** SET ACHKP FOR DBID = dbid PSID = psid partNum

*Explanation:* The utility detected that a LOB auxiliary table space was recovered to a previous point in time, but the base table space was not recovered. In this case, RECOVER PLUS sets the base table space, identified by DBID/PSID, to ACHKP status. RECOVER PLUS also issues this message any time that you recover a NOT LOGGED XML base or auxiliary table.

*User response:* Execute the DB2 CHECK DATA utility on the base table space and respond to any messages it issues.

**BMC96142E** YOUR PLAN MUST BE BOUND WITH THE SAME COLLECTION ID THAT IS CONTAINED IN YOUR PKLIST: collidName

*Explanation:* This message is issued when a -805 SQLCODE is returned after a BIND PACKAGE was attempted during dynamic bind processing. The most common reason for this is that the COLLID in the install options does not match any collection ID named in the PKLIST parameter of the BIND PLAN.

*User response:* Either change the COLLID in the installations options to match the PKLIST (and reassemble the module) or free the plan. Rerun the utility specifying MSGLEVEL(2). If this does not correct the problem, contact BMC Customer Support. Please have the output from your install and the second run available.

**BMC96142E** MAKE SURE THAT YOUR PLAN IS BOUND TO A COLLECTION ID WITH THE SAME NAME AS THE PLAN

*Explanation:* This message is issued when a -805 SQLCODE is returned after a BIND PACKAGE was attempted during dynamic bind processing. The most common reason for this is that the BIND PLAN command issued during the install of the utility was altered so that the first collection ID named in the PKLIST parameter does not have the same name as the plan. The dynamic bind process assumes that these two names are the same.

*User response:* Check the output form your install to ensure that one of the PKLIST parameters of BIND PLAN is the same as the PLAN parameter. If not, correct it, rerun the BIND PLAN and rerun the utility specifying
MSGLEVEL(2). If this does not correct the problem, contact BMC Customer Support. Please have the output from your install and the second run available.

**BMC96143W**  
**AN ALTER TABLE STATEMENT MAY INVALIDATE INDEX**

_Explanation:_ This message indicates that the utility has detected an ALTER TABLE statement that may invalidate the index identified by a subsequent BMC40345 message. If an ALTER TABLE statement changes a column in a non-unique index, DB2 may set that index to PSRBDP status but allow updates to the indexed columns to continue. A subsequent RECOVER INDEX command will not restore index updates made while the space was in PSRBDP status. After the recovery, the index is left in CHKP status.

_User response:_ Run the CHECK INDEX utility. If the index is valid, the CHECK INDEX utility will remove the CHKP status. If the index is invalid, use the REBUILD INDEX command to recover the index.

**BMC96144I**  
**FOUND PAGE FLAGS X’flags’ INDICATING LOB HEADER PAGE AT PAGE NUMBER X’pageNum’**

_Explanation:_ The system was accessing or recovering a space. An inappropriate page number or page flag was found. The page flags indicated a LOB header page. See the accompanying message for the page type expected.

_User response:_ If you are in an UNLOAD step (see previous message in the output) and the space was not recovered, check the space or recover it. If the space was recovered by RECOVER PLUS, contact BMC Customer Support. If you are in a merge step, check the copy or copies being used.

**BMC96145I**  
**FOUND PAGE FLAGS X’flags’ INDICATING LOB HLSM PAGE AT PAGE NUMBER X’pageNum’**

_Explanation:_ The system was accessing or recovering a space. An inappropriate page number or page flag was found. The page flags indicate a LOB high-level space map page. See the accompanying message for the page type expected.

_User response:_ If you are in an UNLOAD step (see previous message in the output) and the space was not recovered, check the space or recover it. If the space was recovered by RECOVER PLUS, contact BMC Customer Support. If you are in a merge step, check the copy or copies being used.

**BMC96146I**  
**FOUND PAGE FLAGS X’flags’ INDICATING LOB LLSM PAGE AT PAGE NUMBER X’pageNum’**

_Explanation:_ The system was accessing or recovering a space. An inappropriate page number or page flag was found. The page flags indicate a LOB low-level space map page. See the accompanying message for the page type expected.

_User response:_ If you are in an UNLOAD step (see previous message in the output) and the space was not recovered, check the space or recover it. If the space was recovered by RECOVER PLUS, contact BMC Customer Support. If you are in a merge step, check the copy or copies being used.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message Description</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC96147I</td>
<td>FOUND PAGE FLAGS X'flags' INDICATING LOB MAP PAGE AT PAGE NUMBER X'pageNum'</td>
<td>The system was accessing or recovering a space. An inappropriate page number or page flag was found. The page flags indicate a LOB Map page. See the accompanying message for the page type expected.</td>
<td>If you are in an UNLOAD step (see previous message in the output) and the space was not recovered, check the space or recover it. If the space was recovered by RECOVER PLUS, contact BMC Customer Support. If you are in a merge step, check the copy or copies being used.</td>
</tr>
<tr>
<td>BMC96148I</td>
<td>EXPECTING LOB HEADER</td>
<td>The system was accessing or recovering a space. A LOB header page was expected but another type of page was encountered. See the preceding message for more information.</td>
<td>If you are in an UNLOAD step (see previous message in the output) and the space was not recovered, check the space or recover it. If the space was recovered by RECOVER PLUS, contact BMC Customer Support. If you are in a merge step, check the copy or copies being used.</td>
</tr>
<tr>
<td>BMC96149I</td>
<td>EXPECTING LOB HLSM</td>
<td>The system was accessing or recovering a space. A LOB high-level space map page was expected but another type of page was encountered. See the preceding message for more information.</td>
<td>If you are in an UNLOAD step (see previous message in the output) and the space was not recovered, check the space or recover it. If the space was recovered by RECOVER PLUS, contact BMC Customer Support. If you are in a merge step, check the copy or copies being used.</td>
</tr>
<tr>
<td>BMC96150I</td>
<td>EXPECTING LOB LLSM</td>
<td>The system was accessing or recovering a space. A LOB low-level space map page was expected but another type of page was encountered. See the preceding message for more information.</td>
<td>If you are in an UNLOAD step (see previous message in the output) and the space was not recovered, check the space or recover it. If the space was recovered by RECOVER PLUS, contact BMC Customer Support. If you are in a merge step, check the copy or copies being used.</td>
</tr>
<tr>
<td>BMC96151I</td>
<td>EXPECTING LOB MAP</td>
<td>The system was accessing or recovering a space. A LOB Map page was expected but another type of page was encountered. See the preceding message for more information.</td>
<td>If you are in an UNLOAD step (see previous message in the output) and the space was not recovered, check the space or recover it. If the space was recovered by RECOVER PLUS, contact BMC Customer Support. If you are in a merge step, check the copy or copies being used.</td>
</tr>
</tbody>
</table>
YOUR PLAN BIND MUST INCLUDE A PKLIST PARAMETER FOR 'BMSCCC.*' AND AN ID WITH THE SAME NAME AS THE PLAN

Explanation: The dynamic bind code has received a -805 SQLCODE.

User response: Check the output from the BIND of your plan. The BIND command should not include a MEMBER specification but must include a PKLIST specification. If the plan name is, for example, AFRR5200, the PKLIST specification would be PKLIST(AFRR520.*, BMSCCC.*).

UNIVERSAL TABLE SPACE tableSpaceName

Explanation: This message provides the name of a universal table space involved in RECOVER PLUS processing. If the table space uses hash organization, HASH ORGANIZATION is displayed in the message text.

User response: This message is for information only. No response is required.

PARTITIONED BY GROWTH tableSpaceName

Explanation: This message provides the name of a partitioned-by-growth table space involved in RECOVER PLUS processing. If the table space uses hash organization, HASH ORGANIZATION is displayed in the message text.

User response: This message is for information only. No response is required.

integer IS INVALID. END OF RANGE MUST BE GREATER THAN START OF RANGE

Explanation: When you specify a DSNUM or PART range, you must specify an end-of-range number that is larger than the beginning-of-range number.

User response: Correct the range and re-submit the job.

LOB PAGE TYPE CHECKING DISABLED

Explanation: This message is issued during recovery of a LOB auxiliary data set if the first data set is not recovered in the same job step, and if the auxiliary index is not rebuilt in the same job step.

User response: None is required if the job completes successfully. RECOVER PLUS disabled some page checking code because LOB information in the header page on data set 1 was not available.

RECOVER WILL CLEAR THIS PARTITION DUE TO THE ABOVE SYSCOPY ENTRY

Explanation: The utility determined that this partition was added with an ALTER ADD PARTITION command after the point to which you are attempting to recover the partition. Because the partition did not exist at that time, it will be created but left empty.

User response: No action is required although a REORG may be required as indicated by the REORP status.
**BMC96158I**  
CURRENT VERSION = version1 OLDEST VERSION = version2  
*Explanation:* This message is displayed in the Object Summary report for any table space that has been altered to change its version number.  
*User response:* This message is for information only. No action is required.  

**BMC96160I**  
PAGE SIZE = integerK  
*Explanation:* This message is displayed in the Object Summary report to indicate the page size.  
*User response:* This message is for information only. No action is required.  

**BMC96161S**  
CANNOT DETERMINE MIGRATION MODE - CANNOT FIND SCOM  
*Explanation:* RECOVER PLUS cannot determine the DB2 processing mode (COMPAT, ENFM, NFM) because it could not find a key DB2 control block.  
*User response:* Determine if there is a problem with the DB2 address space. If you find no problem, contact BMC Customer Support.  

**BMC96162S**  
CANNOT DETERMINE MIGRATION MODE - CANNOT FIND SSCT  
*Explanation:* RECOVER PLUS cannot determine the DB2 processing mode (COMPAT, ENFM, NFM) because it could not find a key DB2 control block.  
*User response:* Determine if there is a problem with the DB2 address space. If you find no problem, contact BMC Customer Support.  

**BMC96163W**  
THE MODIFIED PAGE INDICATORS ON THE OUTPUT IMAGE COPY WILL NOT BE RESET  
*Explanation:* For DB2 version 7 or later, if you are recovering one data set of a multi-data-set LOB and that data set is not the first data set, and output copies are being made, RECOVER PLUS does not reset the modified page indicators and issues this message.  
*User response:* This message is for information only. No action is required.  

**BMC96166I**  
CABINET COPY, SEQUENCE NUMBER = seqNumber  
*Explanation:* This message appears in the object summary for an image copy. The message indicates that the image copy is part of a COPY PLUS cabinet copy and displays the sequence number (relative position) of the image copy within the cabinet copy.  
*User response:* This message is for information only. No action is required.  

**BMC96167E**  
THE COLLID collID IS NOT IN THE PACKLIST FOR PLAN planName  
*Explanation:* RECOVER PLUS code received a -805 SQLCODE, which is described in messages preceding this one. The most likely reason for this error is that the COLLID option in the options module has been changed. The collection ID reported in this message is the one from the options module.  
*User response:* Free the plan and package "collID.*.", and then rerun the utility. If that does not correct the problem, contact BMC Customer Support.
ENCOUNTERED A LOG RECORD THAT MAKES THIS OBJECT UNRECOVERABLE

Explanation: When you are creating a change accumulation file, this message is issued when a pseudo CLR log record is encountered. This type of log record is created when you perform a point-in-time recovery with DSNUTILB to an inconsistent point. The record is stored in the change accumulation file, but RECOVER PLUS cannot process the log record.

User response: Create a new image copy for this object.

optionName INSTALLATION OPTION WILL BE REMOVED IN A FUTURE RELEASE

Explanation: The installation option identified will be removed in a future release of RECOVER PLUS. For further information about the option to be removed, refer to the section on RECOVER PLUS installation options in the RECOVER PLUS for DB2 Reference manual.

User response: If there is no requirement for the option, no action is required. Otherwise, please contact BMC Customer Support.

SWITCHING TO NOSYSLGRNG BECAUSE OF A MODIFY UTILITY FOR

Explanation: This message indicates that the SYSLGRNX rows required for the table space or index that was identified by subsequent messages were eliminated by the MODIFY utility. Since the required DSNDB01.SYSLGRNX records are not present, RECOVER PLUS switches to OPTION NOSYSLGRNG processing.

User response: To avoid this situation, do not run the MODIFY utility specifying a range that might later be used for recovery. There may be some situations where the table space or index is unrecoverable.

PLAN planName CANNOT BE OPENED - THE PLAN MUST BE BOUND MANUALLY

Explanation: The AFRR plan does not exist and the dynamic bind feature is turned off. (DYNAMICBIND was set to NO.) The BMC40200I message identifies the reason why the plan could not be bound.

User response: You can either manually bind the plan or set DYNAMICBIND to YES and rerun the job.

SET AREO FOR BASE TABLESPACE DBID dbid PSID psid

Explanation: During SYSCOPY analysis, RECOVER PLUS found an event that altered the inline length attribute of a LOB column. Since this is a partial recovery, the base partition is set to AREO status.

User response: You could run REORG to reset the AREO status.
RECOVER PLUS TECHNOLOGY IS PROTECTED BY U.S. PATENTS
7,133,884 AND 7,769,718
Explanation: This message provides RECOVER PLUS patent information.
User response: No action is required. This message is for information only.

DB2 LOG FILE RANGES OVERLAP
Explanation: During analysis of BSDS entries, the utility found overlapping DB2 log file ranges. This overlapping of DB2 log file ranges is most often the result of an errant CLI.
User response: Examine diagnostic information in the following BMC96175S messages. Correct the BSDS entries as appropriate and rerun the utility.

START LRSN: lsrn END LRSN: lsrn DSN: dataSetName
Explanation: This message is a diagnostic message associated with BMC96174S.
User response: Refer to BMC96174.

FOUND TABLE SPACE WITH INDEXES BEING TRANSFORMED AND REBUILT
Explanation: When doing transformation, all indexes associated with a table space must be either transformed or rebuilt. There cannot be a combination of related indexes being transformed or rebuilt.
User response: Change the syntax so that all related indexes are performing the same action.

TRANSFORM WAS SPECIFIED WITH MULTIPLE INCOPY DATA SETS
Explanation: When transforming an object, the INCOPY specification can only refer to one data set. Incremental image copies are not allowed.
User response: Change the syntax so that the INCOPY specification names a single full copy.

CANNOT TRANSFORM BECAUSE SOURCE OBJECT CONTAINS MORE THAN ONE TABLE
Explanation: If the source table space is segmented or partitioned-by-growth, it can only contain one table.
User response: You must use an alternative method, such as unload/drop/create/load, to perform the DDL transformation.

THE INCOPY MODEL DSNAME MUST CONTAIN THE SYMBOLIC &DSNUM OR &LDSNUM
Explanation: Because transformation is done at the DSNM ALL level and Snapshot Copies are created by data set, the INCOPY data set name must contain a symbolic variable for the data set number.
User response: Correct the INCOPY data set name.
BMC96180E  TRANSFORM WAS SPECIFIED WITHOUT INCOPY

Explanation: You must specify INCOPY with the name of the source data set when transforming an object. This data set must be a snappable full image copy.

User response: Supply the INCOPY data set name in the SYSIN.

BMC96181E  THE SOURCE OBJECT TOTAL NUMBER OF PARTS DOES NOT MATCH THE TARGET OBJECT

Explanation: When transforming the DDL of a partitioned-by-range object, the number of partitions for the source object must match the number of partitions of the target object.

User response: Redefine the target object so the number of partitions match. If the target object has the desired number partitions, then a TRANSFORM cannot be performed. You must perform an unload/drop/create/load.

BMC96182E  CANNOT TRANSFORM A PARTITIONED BY RANGE OBJECT INTO A PARTITIONED BY GROWTH OBJECT

Explanation: The source object is either a compressed partitioned-by-range table space or a partitioned index on a partition-by-range table space. The target is a partitioned-by-growth object. If the source is a compressed table space, the transformation cannot be done since the source object could have a different compression dictionary for each partition. If the source is a partitioned index, the target must be nonpartitioned. This transformation requires that you rebuild the index.

User response: If the source is a compressed table space, you must perform an unload/drop/create/load.

If the source is a partitioned index, you must rebuild the index. You can do this in the same step used to transform the table space. If there are other nonpartitioned indexes defined to the table space, they can be transformed with the table space, but you must do the rebuild of the partitioned indexes in a separate step.

BMC96183E  THE ROW FORMAT OF THE SOURCE AND TARGET OBJECT DIFFER

Explanation: When transforming an object, the source and target object must both be basic row format or reordered row format.

User response: Reorganize the source object before performing the transformation, or perform an unload/drop/create/load.

BMC96184E  SOURCE NUMBER OF PARTS = integer  TARGET NUMBER OF PARTS = integer

Explanation: Refer to the previous message for an explanation.

User response: No action required.
BMC96185E  TARGET TABLE SPACE MUST BE SEGMENTED

Explanation: Transformation supports only segmented table spaces.

Redefine the target table space with a segment size.

User response: No action is required.

BMC96186E  SOURCE OBJECT IS PARTITIONED BY GROWTH BUT TARGET OBJECT IS NOT

Explanation: A partitioned-by-growth object can only be transformed into a partitioned-by-growth object.

User response: You must perform an unload/drop/create/load.

BMC96187E  THE SOURCE OBJECT attribute SIZE IS GREATER THAN THE TARGET OBJECT attribute SIZE

Explanation: In order to perform a transformation, the target page size and data set size must be greater than or equal to the source page size. attribute is either PAGE or DATA SET SIZE.

User response: You must perform an unload/drop/create/load.

BMC96188E  SOURCE attribute SIZE = integer TARGET attribute SIZE = integer

Explanation: Refer to the previous message for an explanation. attribute is either PAGE or DATA SET SIZE.

User response: No action required.

BMC96189E  ALTERED TABLE SPACE CANNOT BE TRANSFORMED PRIOR TO A REORG

Explanation: A version 0 entry was found in the table space being transformed, meaning the table space had been altered and a REORG has never been performed since the first alter. A versioned table space can be transformed as long as it has been reorganized at least once since the first ALTER.

User response: Reorganize the table space prior to transforming or unload/drop/create/load the table space.

BMC96190E  CANNOT REBUILD INDEXES DURING TRANSFORMATION OF A VERSIONED TABLE SPACE

Explanation: The indexes of a versioned table space cannot be rebuilt in the job that transforms the table space.

User response: Transform the index during the transform of the table space. If you want to do a rebuild, you must first run the REPAIR VERSIONS utility on the transformed table space to reflect the oldest version of the source.
CANNOT TRANSFORM NON-LARGE INDEX (4-BYTE RID)

Explanation: It is not possible to transform a non-large index to a large index. Increasing the RID size from 4-bytes to 5-bytes could exceed the capacity of the index page.

User response: You must rebuild the index.

MAXLSORT = integer (MAX CONCURRENT LOG Sorts)

Explanation: This message displays the value of the MAXLSORT option.

User response: No action is required. This message is for information only.

TABLE SPACE MUST BE TRANSFORMED WHEN TRANSFORMING AN INDEX

Explanation: When transforming an index, the table space must also be transformed. Otherwise, table space RIDS within the index cannot be translated.

User response: Include a transform of the table space in the SYSIN.

UNABLE TO EXTRACT KEY VALUE FOR XML INDEX

Explanation: The original XML document was split into several rows of a XML table. At least one row of the XML table does not contain all the elements required to generate the value for the specified XML index. The index can not be rebuilt.

User response: Increase the page size of the table space, or redesign the index or XML documents.

UNABLE TO GET XML STRINGID FOR 'string'

Explanation: An attempt to get the STRINGID for 'string' from SYSIBM.SYXXMLSTRINGS failed. Previous messages should provide details about the root of the problem.

User response: Determine what the problem is from the previous messages, make appropriate changes, and rerun the job.

TARGET COLUMN IS TOO SHORT TO KEEP THE INDEX VALUE

Explanation: The index is defined AS SQL VARCHAR with a specific length. The specified length is treated as a constraint. The document existing in the table has nodes, required for the index, with values that are longer that the specified length.

User response: Redesign index to increase the length or to avoid the usage of long nodes.
BMC96197E  **RECOVER UNLOADKEYS or BUILDINDEX COMMAND IS INVALID FOR creatorID.ixName INDEX**

*Explanation:* The recovery request should be passed to DSNUTILB but DSNUTILB will not accept this command.

*User response:* If you want to rebuild the index, submit a REBUILD INDEX command in a separate job step.

BMC96198E  **CLONE IS SPECIFIED BUT SPACE IS NOT CLONED**

*Explanation:* The recovery command specified the CLONE option but object is not cloned.

*User response:* If the space is not cloned, resubmit the RECOVER PLUS job without the CLONE option specified.

BMC96199E  **RELATED OBJECTS MUST HAVE THE SAME CLONE SPECIFICATION**

*Explanation:* The CLONE specification does not match for the related objects.

*User response:* Check related objects and resubmit RECOVER PLUS job when the related objects have the same CLONE specification.

**Messages BMC96200 through BMC96299**

For the RECOVER PLUS for DB2 product, this topic explains each message in the designated range.

BMC96201E  **optionName OPTION PREVENTS RECOVERY OF OBJECT databaseName.SpaceName**

*Explanation:* RECOVER PLUS passed the recovery request to DSNUTILB, but DSNUTILB will not accept this option. The option is invalid for the named object.

*User response:* Remove the option from the recovery request.

BMC96202W  **DB2 RECOVER WILL BE ATTEMPTED FOR databaseName.tableSpaceName, BUT optionName WILL BE IGNORED**

*Explanation:* RECOVER PLUS will invoke the DB2 RECOVER utility to recover the named space. However, the DB2 RECOVER utility will ignore the named option.

*User response:* No action is required.
BMC96203I  LARGE OBJECT (LOB) databaseNameSpace or creatorID.ixname LOG NO LOBs

Explanation: The message provides the name of the table space or index in the recovery job. The table space is a LOB and the index is associated with a LOB space.

User response: This message is for information only. No action is required.

BMC96204I  DB2 DSNUTILB RECOVER or REBUILD

Explanation: This message prints in the Object Summary indicating that DSNUTILB is used for the RECOVER or REBUILD.

User response: This message is for information only. No action is required.

BMC96205I  messageText

Explanation: This message echoes the RECOVER, REBUILD, REPAIR, and CHECK statements sent to DSNUTILB.

User response: This message is for information only. No action is required.

BMC96206I  STATEMENTS SENT TO DSNUTILB:

Explanation: This message precedes BMC96205 messages, which list DSNUTILB statements.

User response: This message is for information only. No action is required.

BMC96207I  OUTPUT FROM DSNUTILB:

Explanation: This message precedes BMC40020 messages, which list the output (SYSPRINT) from DSNUTILB.

User response: This message is for information only. No action is required.

BMC96208S  UNABLE TO CLOSE dataSetName

Explanation: An attempt to close a data set required for DSNUTILB processing failed.

User response: Contact BMC Customer Support.

BMC96209S  DSNUTILB RETURNED WITH codeType CODE codeNumber

Explanation: This message provides the code type and number returned from DSNUTILB. codeType may be SYSTEM, USER, COMPLETION, or CONDITION. The default severity indicator is S, but the severity indicator could be I, W, E, or S. If the severity indicator is anything other than I, look at the output from DSNUTILB in AFRPRINT (or SYSPRINT) to determine the reason for the return code from DSNUTILB.

User response: See the DSNUTILB output to determine a.
**BMC96210I**  
**DSNUTILB NOT CALLED DUE TO OPTION SIMULATE YES**

*Explanation:* RECOVER PLUS will not call DSNUTILB if you have specified the SIMULATE YES option.

*User response:* Remove the SIMULATE YES option to execute the recovery and invoke DSNUTILB.

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**BMC96211W**  
**ACCUM FOR LARGE OBJECT (LOB) TABLESPACE**

*dataBaseName.tableSpaceName WILL BE IGNORED*

*Explanation:* A change accumulation file was requested for a Large Object (LOB), but the LOB is passed to DSNUTILB for recover. DSNUTILB does not support change accumulation files.

*User response:* RECOVER PLUS ignores the request.

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**BMC96212I**  
**MAXIMUM NUMBER OF ERRORS (n) EXCEEDED**

*Explanation:* This message is issued if the maximum number of severe errors is encountered. (This number is larger than ERRCONT.) Processing stops.

*User response:* Correct problems associated with the severe errors and resubmit the job.

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**BMC96213E**  
**ROW LENGTH IN BMCUTIL IS NOT VALID FOR THIS RELEASE**

*Explanation:* The length of the row in the BMCUTIL table for your utility ID does not match the length that is required for this version of RECOVER PLUS. This situation is usually caused by a restart that used a RECOVER PLUS version that was different than the version used for the original job.

*User response:* Either remove the objects that have been successfully processed and start the utility using the NEW utility parameter, or use the RESTART utility parameter with the RECOVER PLUS version that was used in the original job.

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**BMC96214W**  
**UNABLE TO RETRIEVE ALL SYSTEM PAGES: OUTPUT COPY CONVERTED TO SYSTEMPAGES NO**

*Explanation:* RECOVER PLUS was unable to retrieve all system pages for the table space or partition. This prevents the creation of a SYSTEMPAGES YES output copy. The output copy will be created in SYSTEMPAGES NO format. The most likely cause for this problem is that an input image copy (either full or incremental) was a SYSTEMPAGES NO copy. For a non-partitioned table space being recovered LOGAPPLY ONLY, this problem might occur because the system page exists in a data set other than the one currently being recovered and that data set is not available or is being recovered by a method other than LOGAPPLY ONLY.

*User response:* No action is required. However, the generated output copy will not be suitable for use by the UNLOAD utility and may result in a longer recovery time for RECOVER PLUS if the copy is used to recover the table space and rebuild indexes in the same job step.
**BMC96215 S  UNABLE TO RETRIEVE DICTIONARY PAGES**

*Explanation:* RECOVER PLUS was unable to retrieve all compression dictionary pages for the table space. Processing will terminate. This problem can occur when the table space is auto-compressed (compressed on INSERT), a REBUILD is requested, and one of the following occur:

- The input image copy was a SYSTEMPAGES NO copy or a DSN1COPY.

- You are recovering other than the first data set for a multi-data-set, nonpartitioned table space.

*User response:* Perform the REBUILD in a separate step after all data sets have been recovered.

**BMC96216E  UNABLE TO TRANSLATE ROW rowID FROM VERSION versionNumber1 to VERSION versionNumber2 - KEY EXTRACTION TERMINATED**

*Explanation:* While extracting key values during a MERGE or UNLOAD phase, RECOVER PLUS was unable to translate the row at rowID (page number and record ID) from versionNumber1 to versionNumber2 (the current version of the table). If the phase was an UNLOAD, the phase will be terminated. If the phase was a MERGE, it will continue with recovery of the table space or partition but no additional key values will be extracted. The indexes listed in the following messages will not be rebuilt. The most likely cause for this problem is that an input image copy (either full or incremental) was a SYSTEMPAGES NO copy.

For a nonpartitioned table space being recovered LOGAPPLY ONLY or being processed by an UNLOAD phase, this problem might occur because the system page containing the desired table version definition exists in a data set other than the one currently being recovered and that data set is not available or is being recovered by a method other than LOGAPPY ONLY.

*User response:* After recovery of the table space or partition has been completed, it should be possible to rebuild all associated indexes. This can be done automatically by RECOVER PLUS via the automatic restart process or manually by submitting a job with the RESTART parameter. To prevent this problem in the future, make sure that image copies are created with the SYSTEMPAGES YES parameter specified for the COPY utility.

**BMC96217W  UNABLE TO RETRIEVE HEADER PAGE: OUTPUT COPY CONVERTED TO SYSTEMPAGES NO AND WILL NOT CONTAIN A HEADER PAGE**

*Explanation:* RECOVER PLUS was unable to retrieve a current image of the header page for a non-partitioned table space. This prevents the creation of a SYSTEMPAGES YES copy. The output copy will be created in SYSTEMPAGES NO format and will not contain a header page as the first page on the copy. This problem can occur when doing a DSNUM N recovery of a multi-data-set table space where the first data set is not being recovered or where a change accumulation file created by a release of RECOVER PLUS earlier than V5.1 is
used as input and the first data set recovered is not the first data set of the table space.

User response: No action is required. However, the generated output copy will not be suitable for use by the UNLOAD utility and may result in a longer recovery time for RECOVER PLUS if the copy is used to recover the table space and rebuild indexes in the same job step. If this error occurs for a partitioned table space, please contact your BMC Customer Support.

**BMC96218S**  
SCCOBDB FAILURE: RETURN CODE = returnCode, REASON CODE = reasonCode

*Explanation:* An internal failure has occurred while attempting to process a system page or translate a table row to the current version. The return code is given by `returnCode` and the reason code is given by `reasonCode`.

*User response:* Please contact your BMC Customer Support with all documentation.

**BMC96219W**  
THE OLDEST VERSION FOR THIS TABLE SPACE OR INDEX CANNOT BE DETERMINED: OUTPUT COPY CANNOT BE REGISTERED

*Explanation:* This problem may occur when a DSNUM N recovery is requested for a non-partitioned table space or index and not all data sets are recovered in the same job step. If RECOVER PLUS is unable to determine the oldest version of the object from the header page and is unable to retrieve all system pages or directory pages for the object, the OLDEST_VERSION column in SYSCOPY cannot be set accurately for the image copy so the copy cannot be registered.

*User response:* After the recovery completes, run COPY PLUS or the DB2 COPY utility to create an image copy that can be registered in SYSCOPY. To avoid this error in the future, run the recovery without OUTCOPY or recover all data sets in the same job step.

**BMC96220W**  
THE CURRENT DEFINITION OF THE TABLE SPACE OR INDEX MAY NOT BE COMPATIBLE WITH THE VERSION OF THE DATA

*Explanation:* RECOVER PLUS has determined that some rows of the table space or index key values may be defined in a version that is not compatible with the current definition of the table space or index. This can occur when a DROPRECOVERY operation is performed or when INCOPY was used to specify the input copy.

*User response:* Run the DB2 REPAIR VERSIONS utility to synchronize the catalog and directory definition of the table space or index with the data that has been recovered into the table space or index by RECOVER PLUS.

**BMC96221I**  
AUTOSIZE = YES (AUTO SIZE ACCUM OUTPUT FILES)

*Explanation:* This message indicates whether dynamic sizing of change accumulation files is turned on or off. This value is set at installation time with the AUTOSIZE installation option, or you can set it at run time using the AUTOSIZE option on the OPTIONS command.

*User response:* This message is for information only. No action is required.
**INCOPY REQUESTED FOR DEFINE NO SPACE databaseName.spaceName**

*Explanation:* All table spaces and index spaces with the DEFINE NO attribute are identified in this message when you request INCOPY. RECOVER PLUS terminates with RC=8.

*User response:* In order for the job to complete, you must define the underlying table spaces and index spaces and then re-run the job.

---

**BEGIN FORWARD PROCESSING FOR BACKOUT AUTO**

*Explanation:* RECOVER PLUS is starting forward processing for the BACKOUT AUTO strategy.

*User response:* This message is for information only. No action is required.

---

**DATAMVR = programName (DATAMOVER NAME)**

*Explanation:* This message displays the value of the DATAMVR installation option. This option provides XBM with the name of the program to use to copy a data set if the data set is not on snappable DASD.

*User response:* This message is for information only. No action is required.

---

**BKTOFWD NO LONGER SUPPORTED. REGENERATE JCL FOR BACKOUT AUTO**

*Explanation:* RECOVER PLUS version 8.1.00 and later no longer support the BKTOFWD keyword.

*User response:* Use RECOVERY MANAGER for DB2 to generate BACKOUT AUTO JCL and submit the job.

---

**THE FOLLOWING OBJECTS ARE ACCEPTED FOR FORWARD PROCESSING:**

*Explanation:* This message provides a list of objects that are accepted for BACKOUT AUTO forward recovery.

*User response:* This message is for information only. No action is required.

---

**COMPRESSED INDEX**

*Explanation:* This message identifies a reason BACKOUT AUTO processing passes an object to forward recovery.

*User response:* This message is for information only. No action is required.

---

**HIGH USED RBA IS ZERO**

*Explanation:* When connecting to the Online Consistent Copy data set, RECOVER PLUS found a high used RBA of zero, meaning the data set is empty. All Online Consistent Copy data sets should have at least a header page and a space map.

*User response:* Check the data set MODEL and make sure it resolves to the correct data set name. If the MODEL is correct, recreate your data set and resubmit the job.
<table>
<thead>
<tr>
<th>Message ID</th>
<th>Description</th>
<th>Explanation</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC96230I</td>
<td><strong>KSORTSHARE = YES/NO (KEY SORTS SHARED BY ALL TASKS)</strong></td>
<td>This message displays the value of the KSORTSHARE option.</td>
<td>This message is for information only. No action is required.</td>
</tr>
<tr>
<td>BMC96231E</td>
<td><strong>LOGMARK logmark NOT FOUND USING SYNONYM prefix.BMCALP_ALPMARK</strong></td>
<td>A recovery statement requested a point-in-time recovery to the specified log mark created by Log Master, but RECOVER PLUS could not find the log mark in the ALPMARK name using the synonym shown.</td>
<td>Check to make sure that the log mark name is correct and that the log mark is in the ALPMARK table. Make sure that the synonym for the ALPMARK table is correct. If the synonym is not correct, contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC96232W</td>
<td><strong>SPACE IS NOT RECOVERABLE BUT COPY PENDING RESET DUE TO NOCOPYPEND OPTION</strong></td>
<td>Even though the space is not recoverable, RECOVER PLUS reset COPY-pending status to RW status due to specification of the NOCOPYPEND option.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC96233I</td>
<td><strong>BACKOUT = backoutValue (DEFAULT POINT-IN-TIME RECOVERY STRATEGY)</strong></td>
<td>This message displays the value of the BACKOUT installation option.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC96234W</td>
<td><strong>TABLE SPACE IS VERSIONED BUT NO TABLES ARE VERSIONED: OUTPUT COPY CONVERTED TO SYSTEMPAGES NO</strong></td>
<td>When generating an output copy for a versioned table space that no longer has a versioned table, RECOVER PLUS issues this message and generates the copy in SYSTEMPAGES NO format.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC96235I</td>
<td><strong>AUX = value (INCLUDE XML/LOB/HISTORY AUXILIARY OBJECTS)</strong></td>
<td>This message displays the value of AUX coded in the AFROPTS installation options module. Valid values for AUX are NO, YES, XML, LOB, or HISTORY. AUX specifies if the auxiliary objects related to the base table space will be processed.</td>
<td>No action is required.</td>
</tr>
</tbody>
</table>
BMC96236E DATABASE databaseName DOES NOT EXIST

Explanation: If an AUX option other then NO is specified, a recovery request was made for an object that does not exist in the DB2 catalog.
User response: Check the DB2 subsystem and the object name. Correct the object name and submit the job again.

BMC96237I objectName FINISHED.

Explanation: RECOVER PLUS reports what objects finished processing.
User response: No action is required.

BMC96238I THE FOLLOWING OBJECTS WERE NOT PROCESSED SUCCESSFULLY:

Explanation: RECOVER PLUS reports the objects that it could not recover. The objects that failed are displayed in AFRSUMRY.
User response: To find out why the recovery failed for an object, look in AFRERR.

BMC96239E PARTITIONED BY GROWTH TARGET TABLE SPACE HAS MORE THAN ONE DATA SET

Explanation: When you are doing a transformation and the target table space is a partition-by-growth space, the target table space cannot have more than one data set.
User response: Delete and recreate the target table space.

BMC96240E TIME ZONE RULE Mm.w.d/hh:mm:ss,Mm.w.d/hh:mm:ss IS INVALID

Explanation: The time zone rule supplied in the installation options module is incorrect. The month m should be between 1 and 12. They day d must be between 0 (Sunday) and 6. The week w must be between 1 and 5; week 1 is the first week in which day d occurs, and week 5 specifies the last d day in the month.
User response: Correct the options module and resubmit the job.

BMC96241I USEACCUM SET TO NO BECAUSE CHANGE ACCUM TABLES ARE NOT INSTALLED

Explanation: If USEACCUM YES is specified, RECOVER PLUS checks to see if the R+/CHANGE ACCUM tables are available. If they are not, RECOVER PLUS changes USEACCUM to NO and issues this informational message.
User response: No action is required.

BMC96298E INDEX MUST BE TRANSFORMED OR REBUILT WHEN TRANSFORMING A TABLE SPACE

Explanation: The index must be transformed or rebuilt when the table space is transformed.
User response: Change job to transform or rebuilt the index.
**BMC96299I** SPECIFIED SSID IS NULL. USING DEFAULT.

*Explanation:* DB2 subsystem ID is not coded in the runtime parameters on the JCL EXEC statement for the utility. The default value from the DSNHDECP that is in the STEPLIB concatenation will be used.

*User response:* No action is required.

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**Messages BMC96300 through BMC96399**

For the RECOVER PLUS for DB2 product, this topic explains each message in the designated range.

**BMC96300S** EXECUTION SUBTASK subtaskNumber TERMINATED WITH SYSTEM ABEND CODE codeNumber

*Explanation:* This message indicates that a subtask that was processing a build for an index or an unload for a table space terminated with the specified abend code.

*User response:* Collect documentation and contact BMC Customer Support.

**BMC96301E** VALUE FOR {MAXKSORT | MAXLSORT} MUST BE IN THE RANGE 1 TO 999

*Explanation:* This message indicates the valid values for the MAXKSORT and MAXLSORT options.

*User response:* This message is for information only. No action is required.

**BMC96302W** WORKDDN WILL BE IGNORED FOR INDEX creatorID.ixName BECAUSE MAXKSORT IS GREATER THAN 1

*Explanation:* This warning indicates that RECOVER PLUS does not use WORKDDN because the value of MAXKSORT is greater than 1. (A MAXKSORT value greater than 1 indicates that RECOVER PLUS performs index sorts and rebuilds concurrently.)

*User response:* If you do not want to use WORKDDN and you do want to use concurrent index key sorts and rebuilds (as specified by the MAXKSORT value), no change is necessary. In order to use WORKDDN, you must change the value of MAXKSORT to 1 to disable concurrent index sorts and rebuilds.

**BMC96303I** KEY SORT FOR INDEX GROUP indexGroup WILL USE THREAD sortThread

*Explanation:* This message indicates that indexes assigned to group indexGroup for the associated table space will use the specified sortThread to sort index keys. You can find the index group to which the utility assigns an index in the Object Summary listing for the index. The sortThread is an internal value that the utility assigns to the key sort. The sortThread is in the DD name for the sort message data set and sort work data sets.

*User response:* This message is for information only. No action is required.
BMC96304I  THIS PHASE WILL RUN IN EXECUTION SUBTASK taskNumber

Explanation: The utility issues this message in the build and unload phases to indicate which subtask is running the phase. The taskNumber has a value from 1 to MAXKSORT.

User response: This message is for information only. No action is required.

BMC96305E  A TASK REQUESTED TO WAIT FOR A RESOURCE BUT THE REQUEST WAS DENIED TO AVOID DEADLOCK

Explanation: An UNLOAD or BUILD phase that was running in a subtask requested exclusive control of a resource but the request was denied because granting the request would create a "deadlock" or endless wait condition.

User response: This error is most likely to occur because an error condition was detected for some other object. If you are able to locate that error condition, respond as directed by that error message. If you are unable to find any other errors, contact BMC Customer Support.

BMC96306I  \{MAXSORT | MAXLSORT\} REDUCED FROM value1 TO value2 DUE TO MEMORY CONSTRAINTS

Explanation: RECOVER PLUS determined that memory resources are not sufficient for the specified MAXSORT or MAXLSORT value (value1) and reduced the value to the value given in value2.

User response: No action is required. To determine how RECOVER PLUS calculates the maximum MAXSORT value, see the section “Determining the Optimum Value for MAXSORT” in Chapter 5 of the RECOVER PLUS Reference Manual.

BMC96307I  phaseType PHASE IS IN PROGRESS IN EXECUTION SUBTASK n FOR:

Explanation: A BUILD or UNLOAD (phaseType) phase is running in an execution subtask (subtask number n). RECOVER PLUS issues this message periodically for long-running phases to let you know that the phase is proceeding normally. Messages follow this message to identify the table space or index being processed by the phase. RECOVER PLUS issues this message only if MSGLEVEL is set to 1 or higher in the EXEC parameters.

User response: This message is for information only. No action is required.

BMC96308I  ESTIMATED NUMBER OF TRACKS FOR ALL INDEX KEY SORT WORK DATA SETS FOLLOWS:

Explanation: The product issues this message when you have one or more sort work DD statements in the JCL. This message precedes one or more BMC96309 messages, which detail the amount of sort work space required for all sort work data sets in this job.

User response: This message is for information only. No action is required.
<table>
<thead>
<tr>
<th>Message</th>
<th>Text</th>
</tr>
</thead>
</table>
| BMC96309I  | **S nnnWK**: z (TRACKS)**  
*Explanation:* This message specifies the number of tracks (z) that are required for sort work data sets with a DD name prefix of S nnnWK**, where nnn is a value between 1 and the value specified for MAXKSORT. There is one message for each sort work data set required in this job.  
*User response:* This message is for information only. No action is required. You can use the information provided by this message to allocate sort work data sets. |
| BMC96310I  | **PROCESSING IS INCOMPLETE FOR THIS PHASE**  
*Explanation:* RECOVER PLUS has not completed all steps for recovery of the object being processed in this phase of execution. This situation can occur if either a subtask or the main task abends.  
*User response:* Contact BMC Customer Support. |
| BMC96330I  | **THE FOLLOWING OBJECTS WILL BE PROCESSED FOR RECOVERY MANAGER GROUP creator.name**  
*Explanation:* Following this message is a list of objects that RECOVER PLUS will process as the result of an OBJECTSET specification in a RECOVER, REBUILD, or LOGSCAN statement.  
*User response:* No action is required. |
| BMC96331S  | **DYNAMIC GROUP API FAILURE: FUNCTION = function, RC = rc, REASON = reason**  
*Explanation:* RECOVER PLUS issues this message when an error occurs when RECOVER PLUS attempts to access a group requested by an OBJECTSET specification in a RECOVER, REBUILD, or LOGSCAN statement. The values for function, rc, and reason are for internal use, and you should provide them to BMC Customer Support. One or more BMC40020 messages might follow this message to give additional information about the error.  
*User response:* Contact BMC Customer Support. |
| BMC96332E  | **OBJECTSET creator.name DOES NOT EXIST**  
*Explanation:* You specified a group that does not exist in the OBJECTSET clause in a RECOVER, REBUILD, or LOGSCAN statement.  
*User response:* Determine the correct group name and correct the job. |
| BMC96333W  | **AUX OPTION WILL BE IGNORED FOR THIS RECOVERY MANAGER GROUP**  
*Explanation:* You specified an OBJECTSET clause in a RECOVER, REBUILD, or LOGSCAN statement that also contained the AUX option, or AUX was specified on an OPTIONS statement, or AUX was set to some value other than NO in the product options module. When RECOVER PLUS processes objects... |
from a group, it ignores the AUX option and operates as if AUX NO was specified.

*User response:* No action is required. If you want to have auxiliary objects processed, either include them in the group specified by OBJECTSET or do not use OBJECTSET.

**BMC96334E**  
*CANNOT DEFAULT DATA SET SIZE - DSSIZE MUST BE SPECIFIED*  
*Explanation:* The header page of the INCOPY does not contain the data set size.  
*User response:* Include the DSSIZE parameter and resubmit the job.

**BMC96335W**  
*OBJECTSET objectSetName - NO OBJECTS FOUND*  
*Explanation:* The object set that you specified does not contain any table spaces.  
*User response:* Add table space objects to the object set or use a different object set that contains the desired table spaces. Also, make sure that you spelled the object set name correctly and that you specified the correct DB2 subsystem ID.
Messages BMC097000 through BMC097999

This chapter includes messages for the Log Master for DB2 product, and because Log Master is a component of the Recovery Management for DB2 product, for Recovery Management as well.

Messages BMC097000 through BMC097099

This group includes messages for the Log Master for DB2 product.

**BMC097000**

INVALID RANGE DATE SPECIFIED - FOUND invalidDateString - EXPECTING MM/DD/YYYY OR DD.MM.YYYY

*Explanation:* The log scan FROM or TO range date is invalid.

*User response:* Correct the date and submit the job again.

**BMC097001**


*Explanation:* The time value in your log scan FROM or TO range is not valid. You can specify a time value from 00:00:00:000000 to 23:59:59:999999.

*User response:* Correct the time and submit the job again.

**BMC097002**

SORT WORK NUM > 255 SPECIFIED, 255 ASSUMED

*Explanation:* The WORKOPTS NUM parameter in the SORTOPTS statement (or the WORKNUM installation option) specifies more than 255 data sets. The product allows a maximum of 255 data sets.

The product sets the parameter or option to 255 and processing continues.

*User response:* No action is required.
BMC097003  INVALID keyword PARAMETER SPECIFIED invalidValue - EXPECTING AN INTEGER IN THE RANGE FROM nn TO nn
Explanation: The value specified for the keyword must be within the specified range.
User response: Correct the keyword parameter specification and submit the job again.

BMC097004  INVALID keyword PARAMETER SPECIFIED invalidValue - EXPECTING 1 to nnn ALPHANUMERIC/NATL CHARACTERS
Explanation: The value specified for the keyword is invalid.
User response: Correct the specification and submit the job again.

BMC097005  INVALID DELIMITER, EXPECTING A COMMA
Explanation: The syntax is expecting a valid “,” delimiter.
User response: Correct the syntax and submit the job again.

BMC097006  INVALID PREDICATE TYPE filterType
Explanation: The filter predicate type (for example, JOB NAME) is invalid.
User response: Correct the predicate and submit the job again.

BMC097007  INVALID PREDICATE OPERATOR invalidOperator
Explanation: The filter operator (such as =, <>, or >) is invalid.
User response: Correct the predicate and submit the job again.

BMC097008  *** Log Master for DB2 Vv.rr.mmm COPYRIGHT BMC SOFTWARE INC. 1995-2008
Explanation: This informational message provides the version of the product that you are running.
User response: No action is required.

BMC097009  UNKNOWN CONNECTION TYPE string SPECIFIED IN FILTER PREDICATE
Explanation: The product does not recognize the connection type string reported in this message. The product recognizes common connection types (for a list, see the product's technical documentation). Processing continues; however, your filter might not select the log records that you expect.
User response: If an invalid connection type was entered, correct and submit the job again. If a valid connection type is specified, contact BMC Customer Support.
BMC097010  **keyword** KEYWORD HAS ALREADY BEEN SPECIFIED WITH **text**

*Explanation:* A keyword can be specified only once, as in the case of specifying LLOG and LOGSCAN. See messages BMC097015 and BMC097016 in the job output for additional details.

*User response:* Remove the redundant occurrence of the keyword indicated and submit the job again.

BMC097011  **INVALID PREDICATE VALUE** **predicateValue**

*Explanation:* The value specified is invalid for the predicate type associated with this value in the WHERE clause. See messages BMC097015 and BMC097016 in the job output for additional details.

*User response:* Correct the value in the message against the predicate type and submit the job again. (Predicate types include PLAN NAME, AUTH ID, OBID, and so forth.)

BMC097012  **INVALID MARK GENERATION SPECIFIED - FOUND** **value** **- EXPECTING AN INTEGER IN THE RANGE (-9999 TO 0)**

*Explanation:* The mark generation must be in the indicated range. See messages BMC097015 and BMC097016 in the job output for additional details.

*User response:* Correct the range and submit the job again.

BMC097013  **INVALID MEMBER NAME** **memberName**

*Explanation:* The specified partitioned data set member name is invalid. See messages BMC097015 and BMC097016 in the job output for additional details.

*User response:* Correct the member name and submit the job again.

BMC097014  **INVALID STATEMENT - FOUND** **text** **- EXPECTING** **text**

*Explanation:* The statement is syntactically incorrect. The expected token is shown in the message. See messages BMC097015 and BMC097016 in the job output for additional details.

*User response:* Correct the statement and submit the job again.

BMC097015  **STATEMENT WITH** **text** **BELOW**

*Explanation:* This general message indicates that other text and messages will follow.

*User response:* Refer to the messages that follow.

BMC097016  **INPUT STATEMENTS:**

*Explanation:* This general message lists the SYSIN control card images.

*User response:* No action is required.
**BMC097017**  
*imageCopyText*

*Explanation:* The product displays this informational message when it is opening or closing an image copy during processing. The message provides information about the image copy, including the name of the image copy data set, the ICTYPE, the SHRLEVEL, the RBA/LRSN when the copy was created, and the number of the partition included in the copy (DSNUM).

*User response:* No action is required.

**BMC097018**  
*(ERROR AT OR NEAR POINT ABOVE "*)

*Explanation:* This general message identifies a syntax error in the preceding SYSIN statements.

*User response:* Refer to the preceding error statements to determine a course of action.

**BMC097019**  
*inputStatement*

*Explanation:* This message identifies the input statement.

*User response:* No action is required.

**BMC097020**  
*INVALID MARK NAME markName*

*Explanation:* An invalid mark name was found in the statement.

*User response:* Correct the mark name and submit the job again.

**BMC097021**  
*INVALID GDG GENERATION SPECIFIED - FOUND value - EXPECTING AN INTEGER IN THE RANGE (value TO value)*

*Explanation:* The GDG generation must be in the indicated range. See messages BMC097015 and BMC097016 in the job output for additional details.

*User response:* Correct the GDG specification and submit the job again.

**BMC097022**  
*LENGTH OF GDG BASE (35) EXCEEDED: gdgName*

*Explanation:* The length of the name of the GDG is longer than the 35 characters allowed.

*User response:* Verify the GDG name, especially symbolics used in name, and shorten the name as necessary.

**BMC097023**  
*function STARTING dateValue timeValue*

*Explanation:* The phase of processing indicated by *function* began running at the date and time shown.

*User response:* No action is required.
**BMC097024**  
*function* FINISHED. ELAPSED TIME = *time*, TIME SINCE UTILITY START = *time*

*Explanation:*  The phase of processing indicated by *function* finished running. The elapsed time (in hours, minutes, and seconds) for the phase and the product are shown.

*User response:*  No action is required.

**BMC097025**  
*processType* IS NOT ALLOWED WHEN FILTER METHOD IS DYNAMIC

*Explanation:*  Either the SYSIN syntax of your job specifies the FILTER METHOD keyword as DYNAMIC or the value of the FLTRMTHD installation option is DYNAMIC. However, your job also specifies a type of processing that is incompatible with dynamic filter processing, such as:

- generating separate load output files for all tables selected by a filter (the GENERATE EMPTY FILES keyword)
- selecting a common quiesce point as the REDO recovery point (LASTQUIESCE value of the REDO FROM keyword)

*User response:*  Edit the SYSIN syntax to either process the filter statically (set the value of the FILTER METHOD keyword to STATIC) or remove the incompatible syntax. Submit the job again.

**BMC097026**  
DUPLICATE *syntaxElement* SPECIFIED IN SYSIN

*Explanation:*  The product has detected a duplicate syntax element in the SYSIN syntax. The product's response depends on whether it can safely ignore one of the duplicate elements.

- If the product can ignore one of the elements (for example, if the duplicate elements are MARK or EXECSQL statements), the product continues processing.
- If the product cannot safely ignore one of the elements (for example, if the duplicate element is an INPUT clause of a LOGSCAN statement, or a duplicate PDS data set name), the product issues this error message and halts processing.

*User response:*  For a duplicate MARK or EXECSQL statement, remove the duplicate statement from the SYSIN deck to avoid this message in future runs. If the duplicate syntax causes the product to halt processing, edit the SYSIN syntax (or redefine the work ID with the online interface) to resolve the duplication, and submit the job again.

**BMC097027**  
SPECIFIED SCANNED POINT X'\logPoint01' SET PRIOR TO OLDEST LOG POINT X'\logPoint02'

*Explanation:*  The product is warning that your scan range (time frame) specifies a point in the log that is older than the oldest log record sequence
number (LRSN) that the product has found in the bootstrap data set (BSDS). The product displays this message only in a data sharing environment and only when you have specified relative byte address (RBA) or LRSN values. The product frequently displays this message when you have mistakenly entered RBA values instead of LRSN values. Processing continues, but the log scan might not select any valid log records.

User response: Examine your output to determine if you have specified your scan range (time frame) correctly. If necessary, correct your scan range and submit the job again.

**BMC097028**  
LINEAR QUEUE MANAGER DID NOT INITIALIZE, PROCESSING TERMINATED

*Explanation:* The product is attempting to initialize the log record buffer, but has encountered an error condition. Several different error conditions can trigger this message, including memory allocation failure and other errors. The product displays additional messages indicating error conditions. Processing terminates.

*User response:* Examine your job's output for operating systems messages or other product internal errors. If possible, correct the problem that is preventing the product from initializing the buffer. If you cannot resolve the condition, contact BMC Customer Support.

**BMC097029**  
VERSION MISMATCH - PROGRAM IS VERSION versionNumber01, OPTIONS IS VERSION versionNumber02

*Explanation:* The product is reading the installation options module specified on the EXEC statement in your JCL. The module is not compatible with the current version of the product. Processing terminates.

*User response:* Verify that the installation options module you specified is compatible with the current version of the product. Either specify the module created when the current version of the product was installed, or reassemble the module by using the member named HLQ.DBSAMP($C30DOPT), where the HLQ value represents a qualifier that your environment assigns during installation. After a valid installation options module is specified, submit the job again.

**BMC097030**  
UNABLE TO LOAD MODULE moduleName

*Explanation:* An attempt to load the module with the specified name failed.

*User response:* Ensure that the module is contained in a data set in the STEPLIB concatenation and submit the job again.

**BMC097031**  
BLDL FOR programName FAILED: RC= returnCode, REASON= reasonCode

*Explanation:* The product encountered an internal error when it issued a BLDL for the named program.

*User response:* Contact BMC Customer Support.
**BMC097032**  
**UNEXPECTED SQLCODE = SQLCode DSNTIAR TEXT FOLLOWS:**

*Explanation:* An SQL statement used by the product received an error.  
*User response:* Examine other messages to determine the effect on your product run. Contact BMC Customer Support.

**BMC097033**  
**text**

*Explanation:* The text shown is output from a facility used by this product (for example, DB2 SQL, DB2 Call Attachment Facility, or IDCAMS).  
*User response:* Consult the technical documentation for the facility that issued the original message.

**BMC097034**  
**ERROR EXTRACTING DSNTIAR DATA CODE = returnCode ANY AVAILABLE TEXT FOLLOWS:**

*Explanation:* The product encountered an SQL error, but an attempt to call DSNTIAR to explain the error failed.  
*User response:* Contact BMC Customer Support with value of returnCode shown in the message and any accompanying text.

**BMC097035**  
**CATALOG COL NUM SPEC INCONSISTENT FOR TABLE creator.tableName**

*Explanation:* The product has looked up values in the DB2 catalog tables SYSIBM.SYSTABLES and SYSIBM.SYSCOLUMNS during the analyze phase of an action against the listed table. The COLCOUNT column in SYSIBM.SYSTABLES disagrees with the number of rows found in SYSIBM.SYSCOLUMNS for this table.  
*User response:* Use SPUFI to determine if the catalog is broken. If it is, follow IBM instructions to recover the catalog. If the catalog is not broken, an internal error has occurred. Contact BMC Customer Support.

**BMC097036**  
**INVALID COLUMN TYPE 'type' IN TABLE creator.tableName**

*Explanation:* The value found for a row in the COLTYPE column of the SYSIBM.SYSCOLUMNS table in the DB2 catalog is not recognized by the product. The value found is shown in the message.  
*User response:* Use SPUFI to determine if the catalog is broken and if the value displayed matches what is returned by SPUFI. If the catalog is broken, follow IBM instructions to recover the catalog. If the catalog is not broken and the value displayed is valid or does not match SPUFI, contact BMC Customer Support.

**BMC097037**  
**INVALID FIELDPROC COLUMN TYPE 'value' IN TABLE creator.tableName**

*Explanation:* This product has found a value for an entry in the FLDTYPE column of the SYSIBM.SYSFIELDS table of the DB2 catalog that it does not recognize.  
*User response:* Use SPUFI to determine if the catalog is broken and if the value displayed matches what is returned by SPUFI. If the catalog is broken, follow IBM instructions to recover the catalog. If the catalog is not broken and the
value displayed is valid or does not match SPUFI, Contact BMC Customer Support.

**BMC097038** DATABASE `databaseName` DOES NOT EXIST

*Explanation:* A database named in your filter or WHERE clause does not exist in the DB2 catalog of the current subsystem. This message can be a warning or an error message, depending on whether you specified the missing database individually or as part of a set of objects (by using the IN keyword in your filter). If you specified the missing database as part of a set of objects, processing continues. If you specified the database individually, processing terminates. If your input source is a logical log file, the displayed database name is not included in the logical log control and data file, even though it might exist in the DB2 catalog.

*User response:* Verify database name against the DB2 subsystem (or the logical log control file). Correct any errors and submit the job again.

**BMC097039** DATABASE DBID `dbid` DOES NOT EXIST

*Explanation:* The database DBID named in a filter or WHERE clause does not exist in the DB2 catalog on the system on which you are running. If INPUT was a logical log instead of BSDS or DB2LOG, the DBID specified was not included in the logical log (and control file) even though it might exist in the DB2 catalog.

*User response:* Verify the DB2 subsystem (or logical log control files) and DBID specified. Correct and submit the job again.

**BMC097040** TABLESPACE `databaseName.tableSpaceName` DOES NOT EXIST

*Explanation:* The table space `databaseName.tableSpaceName` that is named in a filter or WHERE clause does not exist in the DB2 catalog on the system on which you are running. If INPUT was a logical log instead of BSDS or DB2LOG, the table space specified was not included in the logical log (and control file) even though it might exist in the DB2 catalog.

*User response:* Verify the DB2 subsystem (or logical log control files) and table space name specified. If `databaseName` was not specified, it defaults to DSNDB04. Correct and submit the job again.

**BMC097041** TABLESPACE DBID.PSID `dbid.psid` DOES NOT EXIST

*Explanation:* The table space `dbid.psid` named in a filter or WHERE clause does not exist in the DB2 catalog on the DB2 subsystem where you are running. If your input was logical log files instead of BSDS or DB2LOG, the `dbid.psid` specified was not included in the logical log (and control file) even though it might exist in the DB2 catalog.

*User response:* Verify the DB2 subsystem (or logical log control files) and `dbid.psid` specified. Correct and submit the job again.
**BMC097042**  
**TABLE creator.tableName DOES NOT EXIST**

*Explanation:* The table `creator.tableName` named in a filter or WHERE clause does not exist in the DB2 catalog on the DB2 subsystem where you are running. If INPUT was a logical log instead of BSDS or DB2LOG, the `tableName` specified was not included in the logical log (and control file) even though it might exist in the DB2 catalog.

*User response:* Verify the DB2 subsystem (or logical log control files) and `tableName` specified. If `creator` was not specified, it defaults to the SQL AUTH ID of the Batch Job. Correct and submit the job again.

**BMC097043**  
**TABLE DBID.OBID dbid.obid DOES NOT EXIST**

*Explanation:* The product can issue this message as a warning or an error. The message informs you that one of the following conditions exists:

- If your job reads input from the DB2 log (INPUT BSDS or INPUT DB2LOG), the product has searched all of its available sources, but cannot find any information about the table represented by `dbid.obid`. (The sources can include the DB2 catalog, the Repository, or an old objects data set, depending on whether you are running in current or overtime mode.)
  
  If the table represented by `dbid.obid` is specified in your filter, the product issues this message as an error and stops processing. If the table is not specified in your filter (for example, if you filter on authorization ID or plan name), the product issues the message as a warning and continues processing.

- If your job reads input from a logical log file (INPUT LLOG), the product could not find any information about the table represented by `dbid.obid` in the logical log control file or logical log data file.

- If the log scan range includes a URID that contains activities for temporarily declared tables, the tables represented by the `dbid.obid` are not recorded in the DB2 catalog. In this case, the message is issued as a warning.

*User response:* Depending on the situation and the table represented by `dbid.obid`, your response can vary:

- If your job reads input from the DB2 log and the table is specified in your filter, verify the table represented by `dbid.obid` against your filter, resolve the conflict (either by correcting the filter or by recovering the table), and submit the job again.

  If the table is not specified in your filter, determine whether you need log records related to the table in your job's output. In some situations (particularly in overtime mode), the product can search for information about tables that are only indirectly related to the DB2 objects defined by your filter. Depending on your environment, you might be able to use the job's output as is, or you might need to resolve the conflict and submit the job again.
- If your job reads input from a logical log file, verify the table represented by `dbid.obid` against your filter, resolve the conflict (either by correcting the filter or by re-creating the logical log file), and submit the job again.

- No action is required.

**BMC097044**

**COLUMN columnName DOES NOT EXIST IN TABLE creator$tableName**

*Explanation:* The column `columnName` named in a filter, column INCL/EXCL clause, or WHERE clause does not exist in the specified table `creator$tableName` of the same clause. If INPUT was a logical log instead of BSDS or DB2LOG, the column specified was not included in the logical log (and control file) even though it might exist in the DB2 catalog.

*User response:* Verify the DB2 subsystem and `creator$tableName.columnName` specified. If a `creator` was not specified, it defaults to the SQL AUTH ID of the batch job. Correct and submit the job again.

**BMC097045**

**MULTIPLE OCCURRENCES OF INPUT STATEMENT HAVE BEEN DEPRECATED**

*Explanation:* The SYSIN syntax of your job specifies the same input source (BSDS, specific DB2 log files, or logical log files) more than once. The product can read input from only one source. Usually the product issues this message when you have specified more than one log scan and used the INPUT keyword on more than one LOGSCAN statement.

Because the different input specifications define the same input source, the product continues processing.

BMC recommends that you use the job level INPUT statement instead of the INPUT keyword of the LOGSCAN statement. (The statement defines the input source for the entire job. The keyword defines the input source for an individual log scan, but the input source must be the same for all log scans within a job.) The INPUT keyword provides compatibility with earlier versions of the product and might be removed from future versions.

*User response:* If convenient, edit the SYSIN syntax (or redefine the work ID with the online interface) to use the job level INPUT statement.

**BMC097046**

**MARK 'markName (versionNumber)' SPECIFIED IN THE RANGE DEFINITION DOES NOT EXIST**

*Explanation:* The log mark name and version in the message was specified in the Range Definition of the FROM or TO clause of a LOGSCAN statement. However, either the log mark or the version of the log mark does not exist in the product's Repository.

*User response:* Verify the FROM MARK and TO MARK specification on the LOGSCAN statements in the SYSIN to the batch job and to specify a mark that exists in the Repository. Correct and submit the job again.
FILTER 'userId.filterName' SPECIFIED IN THE FILTER CLAUSE DOES NOT EXIST

Explanation: The userId.filterName in the message that was specified in the FILTER clause of a LOGSCAN statement does not exist in the product's Repository.

User response: Verify the filters named on the LOGSCAN statements in the SYSIN to the batch job and to specify a userId.filterName that exists in the Repository. If a user ID is not specified, it defaults to the SQL AUTH ID of the batch job. Correct and submit the job again.

FILTER 'userId.filterName' HAS NO SEARCH CONDITIONS IN THE REPOSITORY

Explanation: The userId.filterName in the message exists in the Filter Header Table of the product's Repository, but has no search conditions stored in the Filter Line Table.

User response: Verify the filters named on the LOGSCAN statements in the SYSIN to the batch job and to specify a userId.filterName that has valid search criteria in the Repository. If the correct filter name was specified, ensure that the Repository contains search criteria for the specified filter. Correct and submit the job again.

FAILURE IN DBD ACCESS FOR databaseName.tableSpaceName, REASON CODE= reasonCode.

Explanation: The product cannot obtain information about the specified databaseName.tableSpaceName from DB2's database descriptor (DBD). Processing cannot continue.

User response: Submit the job again. If the failure is not resolved, contact BMC Customer Support.

UNSUPPORTED TABLE TYPE: 'db2TableType'

Explanation: The product displays this informational message when one of the tables defined in your filter or WHERE clause is an unsupported type of table. (For example, the product does not process log records related to tables that are implicitly created by DB2 when you define an XML column in a base table.)

This message includes the table type value from SYSIBM.SYSTABLES in the DB2 catalog. A subsequent BMC097175 message displays the name of the unsupported table. Processing continues, but the product does not process any log records related to the displayed table.

User response: No action is required.

columnType DATASET ALLOCATION FAILED. ALLOCATION LIMIT HAS BEEN EXCEEDED

Explanation: The product displays this message as it allocates VSAM files to store the data of DB2 columns that contain large volumes of data (such as XML
columns or LOB columns). To allocate another data set, the product would have to exceed the number of data sets defined by the applicable installation option or batch syntax keyword. See preceding messages to determine which column requires the additional space. The product saves any temporary VSAM files permanently to disk, and terminates processing.

**User response:** Increase the maximum number of VSAM data sets or reduce the amount of column data that your log scan selects. To increase the maximum number, use the applicable syntax keyword. To reduce the amount of column data, change the range or filter of your log scan to select fewer log records containing large volume column data. Submit the job again.

**BMC097052**
**UNSUPPORTED TYPE tableSpaceType TABLESPACE databaseName.tableSpaceName IN FILTER**

**Explanation:** The product displays this warning message when one of the table spaces defined (directly or indirectly) in your filter is an unsupported type of table space. (For example, the product does not process log records related to large object (LOB) table spaces.) Processing continues, but the product does not process any log records related to the displayed table space.

**User response:** No action is required.

**BMC097053**
**OPERATING SYSTEM LEVELS DO NOT MEET MINIMUM REQUIREMENTS**

**Explanation:** To take advantage of beneficial features of the operating system, the product relies on a minimum level of an IBM mainframe operating system (such as z/OS or its successors). This requirement is documented in the product’s technical documentation. The current operating environment does not meet this requirement.

**User response:** Run your job or job step on an operating system that meets the documented requirement. If the operating system appears to meet the minimum requirement, contact BMC Customer Support.

**BMC097054**
**LOADING dictionaryType DICTIONARY FROM REPOSITORY: databaseName.tableSpaceName. DSNUM: partitionNumber, STARTRBA: X'startRbaValue', BUILTRBA: X'builtRbaValue'**

**Explanation:** The product displays this informational message as it reads a compression dictionary or auto compression dictionary from the specified source (table space, image copy, DB2 log, or Log Master Repository).

**User response:** No action is required. In some situations, you might be need to provide this information to BMC Customer Support to help diagnose a problem.

**BMC097055**
**CANNOT FIND CLONE TABLE FOR EXCHANGE RECORD RBA X'rbaValue', BASE TABLE creator.tableName**

**Explanation:** The product displays this message when it runs in overtime mode and it encounters a log record that reflects an exchange action between an existing table and a clone table. The clone table either:
- does not exist in either the Old Objects table of the Repository, or an old objects data set

- exists in one of these locations as another instance of the same table (the create RBA value of the table does not match)

The message displays the RBA value of the exchange log record and the name of the existing table.

*User response:* Use the product to update the Repository with the structure definition for the clone table as it existed during the exchange action. Submit the job again. If the failure is not resolved, contact BMC Customer Support.

**BMC097056**

BAD RETURN CODE returnCode FROM SMS CODE. SMS RC= smsReturnCode, REASON = reasonCode

*Explanation:* The product attempted to determine if Data Facility Storage Management Subsystem (DFSMS) is installed. An internal error has occurred.

*User response:* Contact BMC Customer Support.

**BMC097057**

BAD RC returnCode CHECKING dataSetName FOR SMS CONTROL. SMS RC= smsReturnCode, REASON= reasonCode.

*Explanation:* The product attempted to determine if the data set dataSetName is DFSMS-controlled. An internal error has occurred.

*User response:* Contact BMC Customer Support.

**BMC097058**

SMS MODULE moduleName NOT FOUND, RC=X’returnCode’, REAS=X’reasonCode’.

*Explanation:* The table space being recovered is under DFSMS control, but the DFSMS load module (module) cannot be found.

*User response:* If any of the following conditions exists, DFSMS is not active:

- The module is IGWASYS and DFP is level 3.3 or later (or DFSMS PTFs are applied to DFP level 3.2).

- The module is IGWAQSMS and DFP is level 3.2.

If either condition is true, contact your systems programmer to determine the status of DFSMS. If DFSMS is active, this product can access these modules.

**BMC097059**

SMS NOT ACTIVE.

*Explanation:* The product cannot detect that DFSMS is active.

*User response:* See message BMC097058.
NO SYSIN STATEMENTS TO PROCESS.

Explanation: The product did not find any valid SYSIN statements that specify the work to be done.

User response: Correct the error and submit the job again.

ESTAE SETUP FAILED RC= returnCode.

Explanation: An internal error has occurred in establishing an ESTAE.

User response: Contact BMC Customer Support.

THE UTILITY IS NOT APF AUTHORIZED - CONTACT YOUR SYSTEMS PROGRAMMING STAFF.

Explanation: This message indicates that the product found itself unauthorized. The product must run from an APF authorized library and all libraries in the STEPLIB concatenation must also be APF authorized.

User response: Ensure all libraries in the STEPLIB concatenation are authorized. Contact your systems programming staff, if necessary, to have the product copied to an authorized library.

OS RELEASE= opSysLevel, OS PID= opSysID, DF/SMS RELEASE= dfsmsLevel

Explanation: The product examines system control blocks to determine the current system software levels for the system on which it is running. opSysLevel is the level of the operating system, opSysID is the product name, and dfsmsLevel is the DFS level.

User response: No action is required.

AVAILABLE REGION BELOW 16M= regionSize, AVAILABLE REGION ABOVE 16M= regionSize, NUMBER OF CPUS= nn

Explanation: The product examines system control blocks to determine the available region (in KB) above and below the 16-MB line. The number of CPUs for this system is also displayed.

User response: No action is required.

UTILITY EXECUTION STARTING dateValue timeValue BMC SOFTWARE SUPPORT IS 1-800-537-1813.

Explanation: This is the start message for the Log Master for DB2 product. The system date and time are given.

User response: No action is required.

symbolicName SYMBOLIC IN MARK NAME CANNOT BE RESOLVED BECAUSE NO WORKID STATEMENT WAS CODED

Explanation: A log mark name in the batch SYSIN syntax of your job includes either the &WORKID or the &WORKUSER symbolic substitution. However, the SYSIN syntax does not include a WORKID statement to identify a work ID.
The product cannot resolve the symbolic substitution, and processing terminates.

**User response:** Either add a WORKID statement to your job's batch SYSIN syntax, or remove the work ID-dependent symbolic substitution from the log mark name. Submit the job again.

**BMC097067**

**UTILITY EXECUTION COMPLETE** `dateValue timeValue`, **RETURN CODE**=`returnCode`.

**Explanation:** The run of the product has completed.

**User response:** No action is required.

**BMC097068**

**UTILITY EXECUTION TERMINATING** `dateValue timeValue`, **RETURN CODE**=`returnCode`.

**Explanation:** The product terminated with an error or warning.

**User response:** If this return code is 4, indicating a warning, search for WARNING messages in your output. This product might continue to process even if a warning was issued. If the return code is greater than 4, search for ERROR messages, correct the problem as indicated, and submit the job again.

**BMC097069**

**OUTPUT FROM COMMAND 'commandType' FOLLOWS:**

**Explanation:** A DB2 command (`commandType`) was issued. Output from this command follows this message.

**User response:** If an error has occurred, use the information from the command output to resolve the error.

**BMC097070**

**NO OUTPUT FROM COMMAND 'commandType'.**

**Explanation:** A DB2 command (`commandType`) was issued, but returned no output.

**User response:** This is an internal error. Contact BMC Customer Support.

**BMC097071**

**MEMPERCENT STOREOPTS OPTION SPECIFIED, URID AND LOGRECORD KEYWORDS ARE REQUIRED WHEN USING THIS OPTION.**

**Explanation:** The SYSIN syntax of your job specifies the MEMPERCENT keyword of the STOREOPTS statement, but does not specify the URID and LOGRECORD keywords. These keywords correspond to working storage areas called key stores. To operate, the product must allocate memory to at least these two key stores.

**User response:** Edit the SYSIN syntax to add the required keywords and submit the job again. To avoid confusion, enter a value for all key stores, even if you are not changing the default percentage. All percentages must add up to 100 percent.
BMC097072  PARAMETER SSID ‘ssid’ EXCEEDS 4 CHARACTERS IN LENGTH

*Explanation:* The SSID parameter, *ssid*, supplied in the JCL exceeds the DB2 limit of 4 characters.

*User response:* Correct the error and submit the job again.

BMC097073  THE ‘parameterValue’ PARAMETER IS MISSING FROM THE JCL.

*Explanation:* The required runtime execution parameter specified is missing from the JCL.

*User response:* Correct the error and submit the job again.

BMC097074  MEMPERCENT VALUES (INCLUDING DEFAULT) <> 100. INCORRECT VALUE = nn.

*Explanation:* The SYSIN syntax of your job specifies the MEMPERCENT keyword of the STOREOPTS statement, including percentage values for different working storage areas called key stores (for example, URID, LOGRECORD, and so on). However, the percentage values you have specified do not add up to 100 percent.

The product includes the default percentages for any MEMPERCENT values that you do not specify in the percentage total, along with the percentages that you do specify. This situation can result in a percentage total greater than 100 percent.

*User response:* Edit the SYSIN syntax so that the specified percentages add up to 100 percent. To avoid confusion, enter a value for all key stores, even if you are not changing the default percentage. Specify values for at least the URID and LOGRECORD key stores. Submit the job again.

BMC097075  INVALID UTILITY PARM: parameterValue

*Explanation:* The value shown has no meaning in the execution parameters for this product.

*User response:* Verify the order and values of the execution parameters. Correct and submit the job again.

BMC097076  DB2 DATASHARING GROUP NAME memberName SPECIFIED FOR A NON DATASHARING SYSTEM

*Explanation:* The product displays this message only when it is processing input from specific DB2 log files (INPUT DB2LOG). The message warns you that you have specified a data sharing member name to define a group of DB2 log files as the logs of one data sharing member, but the product is not currently running in a data sharing environment.
The product continues processing. The product merges (does not sort) the input DB2 log files.

User response: If you have specified the member name in error, remove the member name and submit the job again.

**BMC097077**
**ATTEMPTING TO CONNECT TO DB2 SUBSYSTEM /GROUP ssid, USING PLAN planName.**

Explanation: The product has attempted to connect to the DB2 subsystem or data sharing group shown with the plan name shown.

User response: No action is required. A succeeding message will be generated indicating successful or unsuccessful connection.

**BMC097078**
**SUCCESSFUL CONNECT TO ssid (RELEASE n.n of DB2) USING PLAN planName.**

Explanation: This message gives the DB2 subsystem ID (ssid), version (n.n), and the plan name (planName) in use.

User response: No action is required.

**BMC097079**
**UNSUCCESSFUL CONNECT TO DB2 SUBSYSTEM/GROUP ssid, USING PLAN planName.**

Explanation: The subsystem and plan name for an attempted connection to DB2 are shown. The product was unable to connect.

User response: Review the accompanying DB2 Call Attachment Facility (CAF) messages. The plan might not be bound on the specified subsystem given, or you are not authorized to execute the plan. If the plan name appears incorrect, verify the installation options module assembled for the utilities to determine the plan name.

**BMC097080**
**UNSUCCESSFUL DISCONNECT FROM THE DB2 SUBSYSTEM/GROUP ssid, CONNECTED WITH PLAN planName.**

Explanation: As part of its termination process, the product attempted to disconnect from the specified DB2 subsystem or data sharing group to which it was connected through the specified plan name. The disconnect action was unsuccessful.

User response: No action is required. Termination of the product was in progress and all other product actions are complete. You can review the accompanying DB2 Call Attachment Facility (CAF) messages to determine if the DB2 subsystem has a problem that will need to be addressed.

**BMC097081**
**PROCESSING LOG RANGE:**

Explanation: This is the heading produced at the start of log processing.

User response: No action is required.
BMC097082  FROMRBA = X’rbaValue01’  TORBA = X’rbaValue02’

Explanation:  This message is produced in various places, always preceded by a message that indicates the actual situation.

User response:  No action required.

BMC097083  phase2Text

Explanation:  This informational message displays statistics relating to the optimized row completion processing that the product can perform for DSNUM0 image copies or multiple image copies stored on magnetic tape (stacked tape).

User response:  No action required.

BMC097084  INDEXSPACE databaseName.indexSpaceName DOES NOT EXIST.

Explanation:  The index space databaseName.indexSpaceName does not exist in the DB2 catalog on the system on which you are running.

User response:  A processing error has occurred building index information from the DB2 catalog. Contact BMC Customer Support.

BMC097085  ERROR READING LOG - dataSetName, CODE = errorCode

Explanation:  An I/O error has occurred trying to read the log.

User response:  Contact BMC Customer Support.

BMC097086  LOG RBA CHECK DISCREPANCY ON dataSetName

Explanation:  The relative byte address or log record sequence number (RBA/LRSN) value expected in a page within a DB2 log data set was not found. It is possible that an active DB2 log file wrapped between the time that the job started and the log was read.

User response:  Determine if an archive log was created at the same time as the job ran. If so, submit the job again. If the problem reoccurs or if no archive was created, contact BMC Customer Support.

BMC097087  UNEXPECTED SEGMENT CODE IN LOG AT X’rbaValue’

Explanation:  The product displays this warning message when it encounters a partial log record as it scans the DB2 log. The product does not display this message when it processes logical log input files. In this context, a partial log record can occur when the end of one page within a log data set contains the starting segment of a log record, but the next page does not contain the remaining segment of that record. The product ignores the partial log record and continues scanning the log.

User response:  Examine your output to determine whether the loss of the partial log record affects your output. For assistance in determining the content of the partial log record, contact BMC Customer Support.
BMC097088  ACCUMULATED LOG RECORD TOO LONG AT X'raValue'

Explanation:  After combining the segments of a log record, the resulting record overflows the record buffer.

User response:  Contact BMC Customer Support.

BMC097089  DSN = dataSetName

Explanation:  This message displays the name of a data set associated with another message.

User response:  This message does not require an immediate action. Your overall response depends on the content of the associated messages.

BMC097090  UNABLE TO OPEN DATASET DDNAME = ddname

Explanation:  An open attempt failed for the ddname specified. This message is followed by message BMC097089 showing the data set name.

User response:  The product attempts to use a different copy of the data set if available. If unavailable, the product will terminate processing. The operating system should display system messages (such as IEC141I) associated with the data set.

BMC097091  UNABLE TO CLOSE DATASET DDNAME = ddname

Explanation:  An attempted close failed for the ddname specified. This message will be followed by message BMC097089 showing the data set name.

User response:  Use associated system messages (that is, IEC141I).

BMC097092  UNABLE TO READ JFCB, DDNAME = ddname, RC = returnCode

Explanation:  An attempt to obtain job file control block (JFCB) information for a data set failed.

User response:  Contact BMC Customer Support.

BMC097093  UNABLE TO RETRIEVE DEVICE TYPE, DDNAME = ddname, RC = returnCode

Explanation:  An attempt to obtain device type information failed.

User response:  Contact BMC Customer Support.

BMC097094  ERROR DURING AUTHORIZATION SWITCH, RC= returnCode, FUNCTION= function

Explanation:  The product's installation options indicate that the product should use DB2's RACF security authority to open DB2 data sets. A failure has occurred in attempting to switch to DB2's authority.

User response:  If your security system is not RACF, change the option in the installation options module and ensure that the user of the product has authority on all of the data sets. If you are using RACF, follow the same procedure.
BMC097095  ERROR DURING JSCB ACCESS, RC = returnCode, FUNCTION= function
Explanation: An internal error has occurred.
User response: Contact BMC Customer Support.

BMC097096  READ REQUEST ERROR, RC = returnCode
Explanation: An I/O error has occurred.
User response: Contact BMC Customer Support.

BMC097097  NUMBER OF ENTRIES n FOR listName HAS BEEN EXCEEDED: value
Explanation: The number of entries in the specified list has been exceeded.
User response: Correct the number of entries and submit the job again.

BMC097098  INTERNAL FAILURE IN LOOKUP OF CURRENT RBA, RC = returnCode
Explanation: A failure occurred while attempting to obtain the current log RBA/LRSN value from the DB2 subsystem.
User response: Ensure that the DB2 subsystem did not go down after the connection of this job to it. If this is not the case, contact BMC Customer Support.

BMC097099  LENGTH OF VALUE n FOR text HAS BEEN EXCEEDED: value
Explanation: The length of the specified value has been exceeded.
User response: Correct the value and submit the job again.

Messages BMC097100 through BMC097199

This group includes messages for the Log Master for DB2 product.

BMC097100  INPUT dataSetType DATASETS DO NOT MATCH PRIOR LOGSCAN STATEMENT
Explanation: The input (dataSetType -- LLOG or DB2LOG) data sets do not exactly match on all LOGSCAN SYSIN statements.
User response: Ensure that all data sets specified on the INPUT clause of all LOGSCAN statements in a single job step match exactly.

BMC097101  INTERNAL TYPE ERROR, CODE= errorCode
Explanation: An error has occurred in the DB2 BSDS and LOG internal interface.
User response: Contact BMC Customer Support.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC097102</td>
<td><strong>INVALID BSDS DATASET NAME</strong> - <code>dataSetName</code></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The product encountered an error as it attempted to read the named bootstrap data set.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC097103</td>
<td><strong>INVALID INFO RECORD LENGTH IN BSDS</strong> <code>dataSetName</code>, DDNAME <code>ddname</code>, LENGTH <code>rcdLength</code></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> An error has occurred accessing the BSDS for log processing.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC097104</td>
<td><strong>INVALID RECORD LENGTH BSDS</strong> <code>dataSetName</code>, DDNAME <code>ddname</code>, KEY=<code>key</code>, LENGTHS=<code>rcdLength freeLength dataLength</code></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> An error has occurred accessing the BSDS for log processing.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC097105</td>
<td><strong>CANNOT FIND DATASET</strong> <code>dataSetName</code> <strong>IN THE ICF CATALOG</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The <code>dataSetName</code> shown is the cluster name for the BSDS or an active log, but a catalog call to obtain information for it has failed.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC097106</td>
<td><strong>INVALID BSDS</strong> (<code>dataSetName</code>) <strong>STATUS</strong> <code>statusValue</code></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The product encountered an error as it attempted to read the bootstrap data set <code>dataSetName</code> with an error status shown.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC097107</td>
<td><strong>ERROR READING BSDS</strong> <code>dataSetName</code>, DDNAME <code>ddname</code>, KEY=<code>key</code>, RC=<code>macro</code>, VSAM RTN=<code>vsamReturnCode</code>, VSAM RSN=<code>vsamReasonCode</code></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> An error occurred accessing the BSDS for log processing.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC097108</td>
<td><strong>BSDS</strong> <code>dataSetName</code> <strong>UNAVAILABLE</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The product encountered an error as it attempted to read the bootstrap data set.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC097109</td>
<td><strong>ERROR OBTAINING DSCB INFORMATION FOR</strong> <code>dataSetName</code></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The product encountered an error as it attempted to obtain information about the named log file.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Contact BMC Customer Support.</td>
</tr>
</tbody>
</table>
BMC097110  UNABLE TO READ DSCB FOR DSN= dataSetName, VOLUME= volser, RC= returnCode
Explanation: The product encountered an error as it attempted to process the specified log file.
User response: Contact BMC Customer Support.

BMC097111  RETURN CODE returnCode FROM SWAREQ - TRY INCREASING REGION SIZE
Explanation: An invalid return code was issued when the product issued a SWAREQ to the operating system.
User response: Contact BMC Customer Support.

BMC097112  LOG dataSetName TOO SHORT FOR RBAS REQUIRED
Explanation: The specified log file does not appear to contain the required RBA/LRSN values.
User response: Contact BMC Customer Support.

BMC097113  LOG dataSetName, VOLSER volser TOO MANY EXTENTS (extents)
Explanation: An error exists in the control blocks for the disk log file shown.
User response: Contact BMC Customer Support.

BMC097114  UNABLE TO SELECT A BSDS FILE
Explanation: A usable BSDS file could not be found.
User response: Contact BMC Customer Support.

BMC097115  UNABLE TO OBTAIN LOG FILE INFORMATION FROM THE BSDS
Explanation: A preceding error made it impossible to obtain log file information.
User response: Contact BMC Customer Support.

BMC097116  SWITCHING TO ALTERNATE BSDS COPY DUE TO PRECEDING ERRORS
Explanation: The product encountered errors accessing a copy of the BSDS.
User response: The product switches to the alternate BSDS. If this switch is successful, no action is required for this run. However, you might want to verify whether DB2 is running in single-BSDS mode.

BMC097117  SYSLGRNX TABLE UNAVAILABLE
Explanation: The product encountered an internal error as it attempted to read the SYSIBM.SYSLGRNX table of the DB2 Directory.
User response: Contact BMC Customer Support.
BMC097118  FORMAT rptFormatType SUMMARY REPORT LRECL POTENTIALLY TOO SMALL, SHOULD BE maxRecLength. RECORD recNumber TRUNCATED, LENGTH actualRecLength

Explanation: The product is generating either a Summary report or an Object Activity Summary report. Your job specifies an alternate format for the report (either CSV or SDF, indicated by rptFormatType). The product has determined that the length of the longest possible record in the report (maxRecLength) is greater than the logical record length (LRECL) of your report output.

- If the report format is SDF, the product issues this message as an error message, and processing terminates before the product generates report output. The product takes this action because the SDF format requires fixed-length records and it cannot write a valid record using the current LRECL value.

- If the report format is CSV, the product issues this message as an informational message, and report output processing continues. If one of the actual records that the product generates is longer than the LRECL value, the product truncates the record, issues the message again as a warning message, and includes the second portion of the message to provide the record number (recNumber). Processing continues. In this situation, the product issues one message for each truncated record.

User response:

- If the report format is SDF, adjust the LRECL value of your output report and submit the job again.

- If the report format is CSV and the message is issued as an informational message, verify the output file. If necessary, adjust your LRECL value before the next run of your job. If the message is issued as a warning message, and the missing portions of any truncated report records are required, either adjust your LRECL value or use the product's default value. Submit the job again.

BMC097119  OPTION USELGRNG CONVERTED TO NO BECAUSE FILTER METHOD IS DYNAMIC

Explanation: The SYSIN syntax of your job specifies the USELGRNG installation option as YES, but also specifies the filter method as DYNAMIC. These two processing types require the product to access the DB2 catalog differently, so the product does not honor both specifications in the same job. The product retains your filter method, but does not honor the USELGRNG installation option. Processing continues.

User response: Your response depends which type of processing you require more.
If you require the USELGRNG installation option, edit the SYSIN syntax (or redefine the work ID with the online interface) to change your filter method and submit the job again.

If you require dynamic filtering, no action is required. To avoid confusion, consider editing the SYSIN syntax when convenient to change the value of USELGRNG.

**BMC097120**  
**LRECL recLength TOO SMALL FOR outputType OUTPUT WITH RECFM VB. A STATEMENT IS LONGER THAN THE LRECL.**

*Explanation:* The SYSIN syntax of your job specifies that the product should use a record format of VB (variable, blocked) to write either an SQL output file or an SQL template. However at least one item in the generated SQL or the template exceeds the logical record length (LRECL) defined for your job. (You can define the LRECL either explicitly or by default.) Processing terminates.

*User response:* Edit the SYSIN syntax (or redefine the work ID with the online interface) to change the LRECL for the SQL output file and submit the job again. Consider using the product's default values for both forms of output.

**BMC097121**  
**FAILURE IN CONNECT OF DATASET dataSetName, RC = returnCode**

*Explanation:* The product attempted to access the specified data set, but was unable to do so. Further processing will depend on log record completion requirements.

*User response:* Examine the job log for more information. If you understand the problem, correct it, and then submit the job again. Otherwise, contact BMC Customer Support.

**BMC097122**  
**FAILURE IN DISCONNECT OF DATASET dataSetName, RC= returnCode**

*Explanation:* The product requested a disconnect and received the return code shown. The data set name appears in an accompanying message.

*User response:* Contact BMC Customer Support.

**BMC097123**  
**syntaxElement STORAGE LIMIT (memValue01) SMALLER THAN MINIMUM ALLOWED (memValue02)**

*Explanation:* The product is attempting to allocate memory for an internal data structure (for example, the log record buffer), but the amount of memory that your job specifies is smaller than what the product requires. This message displays the amount your job specifies as `memValue01`, and the required minimum as `memValue02`. Processing terminates.

*User response:* Increase the memory available to the product. If you are dealing with the log record buffer, you might be able to reduce the amount of memory that the product requires by changing the value of either the QBLRBUF installation option or the LOGRECORD BUFSIZE keyword of the OPTION statement. For assistance with memory allocation, contact BMC Customer Support.
**BMC097124**  
**logPointType OF PREVIOUS RUN IS X’rbaValue’**

*Explanation:* The product displays this informational message as it processes an ongoing log scan. The product is obtaining information from the Repository about the ongoing run immediately before the current run (or before an previous run that you have specified by using a run sequence number). The product uses this information to adjust the start point of the current log scan.

*User response:* No action is required.

**BMC097125**  
**DBID: dbid OBID: obid CREATE RBA: X’rbaValue’**

*Explanation:* This message displays information about a DB2 object that is involved in a condition described in preceding or succeeding messages. This message lists the database identifier (DBID) and data object identifier (OBID) of the DB2 object, along with the relative byte address (RBA) when the object was created. The action of the product depends on the context described by the preceding or succeeding messages.

*User response:* This message requires no action. To determine an appropriate course of action, examine the related messages.

**BMC097126**  
**ECB ABNORMAL COMPLETION CODE=X’returnCode’**

*Explanation:* A read operation on a data set completed with the abnormal return code shown. The data set name appears in an accompanying message.

*User response:* Contact BMC Customer Support.

**BMC097127**  
**UNABLE TO OBTAIN CATALOG HIGH LEVEL, CODE= returnCode**

*Explanation:* The product failed to obtain the high-level node for your DB2 subsystem.

*User response:* Contact BMC Customer Support.

**BMC097128**  
**UNABLE TO OBTAIN BSDS NAME, CODE= returnCode**

*Explanation:* The product failed to obtain the name of the boot strap data set (BSDS) from your DB2 subsystem.

*User response:* Ensure that the DB2 subsystem did not go down after connection to it. If this is not the case, contact BMC Customer Support.

**BMC097129**  
**INTERNAL ERROR: errorCode**

*Explanation:* The product encountered an internal error in processing.

*User response:* Contact BMC Customer Support with the module information given in the following message.

**BMC097130**  
**INTERNAL COND ERROR: errorCode**

*Explanation:* The product encountered an internal error in processing.

*User response:* Contact BMC Customer Support with the module information given in the succeeding message.
### BMC097131
**LOG DATA SET dataSetName (type) IS MISSING FROM THE ICF CATALOG**

**Explanation:** A log data set required for the given log range is not in the operating system's catalog. The `type` value represents either an active log or an archive log.

**User response:** Determine why the log data set is not cataloged.

### BMC097132
**LOG FILE SPANNING RBA'S X'startRba' TO X'endRba' HAS NO USABLE COPIES**

**Explanation:** The log range shown had no copies available after the operating system's catalog was examined.

**User response:** If the run was unsuccessful, attempt to locate and catalog the logs for the range shown.

### BMC097133
**BSDS dataSetName SELECTED**

**Explanation:** The BSDS shown is used as a reference for this run.

**User response:** No action is required.

### BMC097134
**INVALID text PARAMETER SPECIFIED text - EXPECTING 1 to nnn ALPHANUMERIC CHARACTERS**

**Explanation:** An invalid parameter has been specified.

**User response:** Correct the parameter value and submit the job again.

### BMC097135
**INVALID text SPECIFIED text - EXPECTING A SHORT INT OR HEX VALUE FROM X'0000' to X'FFFF'**

**Explanation:** An invalid parameter has been specified.

**User response:** Correct the parameter and submit the job again.

### BMC097136
**INVALID text SPECIFIED text -- EXPECTING A VALUE FROM X'000000000000' TO X'FFFFFFFFFFFF'**

**Explanation:** An invalid parameter has been specified.

**User response:** Correct the parameter and submit the job again.

### BMC097137
**INVALID text SPECIFIED text -- EXPECTING SHORT INT OR HEX VALUE FROM X'0000' to X'FFFF'**

**Explanation:** An invalid parameter has been specified.

**User response:** Correct the parameter and submit the job again.

### BMC097138
**NO objType ARE CURRENTLY FOUND FOR TABLESPACE databaseName.tableSpaceName IN THE DB2 CATALOG**

**Explanation:** The product cannot find any objects (tables or indexes) defined in the DB2 catalog for the table space listed in the message. Processing continues.

**User response:** You might want to verify that the specified table space has no tables or indexes currently defined (by using SPUFI or a select against the DB2
catalog). If a table or index does exist but was not found by this product, contact BMC Customer Support.

BMC097139 FAILURE IN DYNAMIC ALLOCATION OF DATASET dataSetName

Explanation: The data set name in the message text could not be allocated.

User response: If the message is displayed as a warning, processing continues. If it is displayed as an error, processing terminates. This message is followed by messages BMC097141 and BMC097142 which detail the exact cause of the error.

BMC097140 FAILURE IN DYNAMIC UNALLOCATION OF DATASET dataSetName

Explanation: The data set name in the message text could not be unallocated. It will remain allocated to the current task until the task terminates.

User response: No action is required.

BMC097141 dynamicAllocationMsgText

Explanation: The message explains a failure in dynamic allocation.

User response: No action is required.

BMC097142 UNABLE TO RETURN ALLOCATION MESSAGES, RETURN CODE returnCode, REASON CODE reasonCode, FUNCTION ID function

Explanation: This message explains a failure in dynamic allocation.

User response: No action is required.

BMC097143 UNABLE TO ALLOCATE ANY OF THE DB2 LOG FILES ASSOCIATED WITH THE LOG FILE RANGE X'startRbaValue' TO X'endRbaValue'

Explanation: In trying to process a required DB2 log range, the product was unable to allocate any of the log file copies associated with the RBA/LRSN range in the message text. Processing terminates.

User response: The exact reasons the requisite log file copies could not be allocated can be found in preceding BMC097140 messages. Determine the reason that the required log file copy could not be allocated, correct the error, and submit the job again.

BMC097144 SPECIFIED dateType DATE/TIME dateValue/timeValue HAS NO CORRESPONDING LOG FILE IN THE BSDS FOR THIS DB2 SUBSYSTEM

Explanation: The TO or FROM date/time specified in the batch SYSIN syntax is not found within the list of DB2 logs in the BSDS for the subsystem against which the product is running.

User response: Correct the date/time if in error. Run the DSNJU004 utility against the BSDS to verify existence or nonexistence of the date/time in question. If no DB2 log corresponds to the date/time, use RBA/LRSN specifications to run the product. If there is a valid DB2 log for the date/time specified, an internal error has occurred within the product. Contact BMC Customer Support.
INTERNAL ERROR IN KEYSTOR COMPONENT: REASON= reasonCode, SOURCE= sourceFileName, MOD= moduleName, LINE= lineNumber, INFO= informationCode

Explanation: An internal error has occurred. There might be succeeding error messages.
User response: Contact BMC Customer Support.

PAGE pageNumber01 EXPECTED, FOUND pageNumber02 ON PAGE AT memoryAddress

Explanation: An internal error has occurred.
User response: Contact BMC Customer Support.

UNEXPECTED FREESPACE IN PAGE AT memoryAddress, FREESLOT= id, FIRSTFREE= id

Explanation: An internal error has occurred.
User response: Contact BMC Customer Support.

OUT OF MEMORY

Explanation: An out-of-memory situation has occurred during GETMAIN for a key storage work area.
User response: Contact BMC Customer Support.

keyword KEYWORD MAY APPEAR ONLY ONCE IN EACH SYSIN

Explanation: A keyword can only be specified once, as in the case of specifying LLOG and LOGSCAN. See messages BMC097015 and BMC097016 in the job output for additional details.
User response: Remove the redundant occurrence of the keyword indicated and submit the job again.

FAILURE IN IDCAMS

Explanation: See preceding messages.
User response: Contact BMC Customer Support.

DYNAMIC ALLOCATION FAILURE, DSNAME= dataSetName, ECODE= errorCode, ICODE= informationCode

Explanation: An internal error has occurred.
User response: Contact BMC Customer Support.

FAILURE IN DATA-IN-VIRTUAL CALL

Explanation: An internal error has occurred.
User response: Contact BMC Customer Support.
**BMC097153**  
**Dynamic Unallocation Failure, DDNAME= ddname, ECODE= errorCode, ICODE= informationCode**  
*Explanation:* An internal error has occurred.  
*User response:* Contact BMC Customer Support.

**BMC097154**  
**Invalid WorkID Name workIDName -- Expecting 1 to 18 Alphanumeric or National Characters**  
*Explanation:* An invalid work ID name has been specified.  
*User response:* Correct the name and submit the job again.

**BMC097155**  
**Predicate Value predicateText Matches Catalog or Directory Entry db2DirText, This Entry Will Be Ignored.**  
*Explanation:* While resolving a wildcarded LIKE clause on a DBNAME or TABLESPACE NAME specification, a match against the DB2 catalog for database DSNDB01, DSNDB06, or DSNDB07 was found. This matched entry will be ignored.  
*User response:* No action is required; processing continues. Correct the LIKE specification in future runs to avoid matches against the DB2 Directory, catalog, and Temporary Databases and thus suppress this message.

**BMC097156**  
**Relational Integrity Error in Keyed Storage**  
*Explanation:* A logical error has occurred in a key store memory area. Either a duplicate key was found on an insert or a record was not found on a delete.  
*User response:* Contact BMC Customer Support.

**BMC097157**  
**Order By order Is Invalid for Report Type type**  
*Explanation:* Reports have a valid set of ORDER BY keywords. This message identifies an invalid ORDER BY keyword associated with a report.  
*User response:* Correct the input statements and submit the job again.

**BMC097158**  
**Order By CreatorBA Can Only Be Specified After TBNName Or OBID**  
*Explanation:* The SYSIN input of your job requested that a report be sorted by the RBA/LRSN value when the DB2 objects were created. However, to use this ordering field, your report definition must specify either TABLE NAME or OBID as one of your ordering fields before you specify CREATE RBA.  
*User response:* Edit the SYSIN syntax of your job. Either add a table-specific ordering field, or change the syntax so that the table-specific field occurs before the CREATE RBA specification. Submit the job again.

**BMC097159**  
**blockSize Block Size Is Not Multiple Of 4096, DSNAME = dataSetName**  
*Explanation:* An internal error has occurred.  
*User response:* Contact BMC Customer Support.
<table>
<thead>
<tr>
<th>BMC097160</th>
<th><strong>UNABLE TO READ DSCB, DDNAME= ddname, RC= returnCode</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>An internal error has occurred. The product could not read the data set control block for <code>ddname</code>.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Contact BMC Customer Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMC097161</th>
<th><strong>OPEN FAILURE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The product is unable to open a data set.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Review output for any accompanying messages that might offer assistance in defining the problem. If no explanation can be found, contact BMC Customer Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMC097162</th>
<th><strong>INVALID URID STATUS, TRYING TO SET STATUS newStatus, FOUND STATUS oldStatus</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During log scan processing, a unit of recovery record was found out of sequence (that is, end commit before begin commit).</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Contact BMC Customer Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMC097163</th>
<th><strong>LOGSCAN STATEMENT HAD NO WHERE OR FILTER CLAUSES, ALL DATA WITHIN THE SPECIFIED RANGE WILL BE USED</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A LOGSCAN statement was specified with no WHERE clause or filter to limit data selection. All data within the specified ranges will be used.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>No action is required.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMC097164</th>
<th><strong>SPECIFIED FROM/TO RBA/LRSN (x'rbaValue01') IS GREATER THAN THE CURRENT SUBSYSTEM RBA/LRSN (x'rbaValue02')</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The FROM or TO RBA/LRSN value specified in the LOGSCAN statement (explicitly or by using a log mark) is greater than the current subsystem RBA (or LRSN for a data sharing group.)</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Correct the error by specifying an RBA/LRSN less than the current subsystem RBA/LRSN and submit the job again.</td>
</tr>
</tbody>
</table>

| BMC097165 | **THE (SPECIFIED | SELECTED) FROM RBA (X'rbaValue01') IS GREATER THAN OR EQUAL TO THE TO RBA X('rbaValue02').** |
|-----------|--------------------------------------------------------|
| **Explanation:** | The explanation depends on whether you selected an RBA from the BSDS or explicitly specified one in your LOGSCAN statement. |

- **Selected:** The FROM RBA/LRSN, either specified or a resolved (FROM DATE) via the BSDS, is greater than or equal to the TO RBA/LRSN specified or resolved (TO DATE/CURRENT). |
Specified: The FROM RBA/LRSN specified in the LOGSCAN statement (explicitly or via FROM MARK) is greater than or equal to the TO RBA/LRSN.

User response: Correct the error by specifying a valid RBA/LRSN range and submit the job again.

**BMC097166**

**THE fromSource FROM DATE/TIME (dateValue01/timeValue01) IS operator THE SPECIFIED TO DATE/TIME (dateValue02/timeValue02)**

Explanation: The product displays this message in two situations:

- The FROM date and time value that you specified in your LOGSCAN statement is greater than your TO date and time value. (The fromSource is SPECIFIED and the operator is GREATER THAN.)

- For an ongoing run, the start point value that the product obtained from the ALPURID table of the Repository is equal to the specified TO date and time value. (The fromSource is ONGOING and the operator is GREATER THAN OR EQUAL.)

The product cannot select a meaningful range of log records. Processing terminates.

User response:

- Correct the error by specifying a time frame with a FROM value is less than the TO value, and submit the job again.

- Change the TO value of your time frame and submit the job again.

**BMC097167**

**LUW FILTERS ARE NOT AVAILABLE FOR LOGICAL LOG FILES CREATED PRIOR TO V910**

Explanation: The product displays this message when it reads input from a logical log file. The filter or WHERE clause for your job selects log records based on logical unit of work (LUW) fields in the header of each logical log data record, but the records in your logical log data file do not contain these fields. The version of the product that generated the logical log file did not support LUW filtering. The product cannot select the log records you have requested and processing terminates.

User response: Change your filter to select log records based on different selectable fields. Alternately, if the required resources are available, generate a new logical log file by using a 9.1.00 or later version of Log Master.

**BMC097168**

**function REQUIRED AN ELAPSED TIME OF timeValue**

Explanation: The specified function (for example, COMPLETION SYSLGRNX SCAN) required the amount of elapsed time shown in the message. This message is repeated for different stages of the product's internal processing.
This message is produced with message level 2 or higher. Use the elapsed time values to determine if performance is being adversely affected.

User response: No action is required.

BMC097169 INVALID LOGICAL LOG CONTROL RECORD TYPE FOUND: type

Explanation: The product found either an unknown control record type or a known control record type in a logical log control file.

User response: Determine the cause of the invalid data, correct the problem, and submit the job again. If the data is valid or the cause of the invalid data cannot be determined, contact BMC Customer Support.

BMC097170 REQUIRED LOGICAL LOG CONTROL RECORD TYPE NOT FOUND: type

Explanation: The product requires a specific control record type in a logical log control file, but did not find a record of that type in the logical log data set.

User response: Determine the cause of the invalid data, correct the problem, and submit the job again. If the data is valid or the cause of the invalid data cannot be determined, contact BMC Customer Support.

BMC097171 MULTIPLE LOGICAL LOG CONTROL RECORDS FOUND, TYPE: type

Explanation: The product expects to find only one occurrence of the control record type specified, but multiple records were found in the logical log data set. Message BMC097173 contains an image of the second or subsequent record in error.

User response: Determine the cause of the invalid data, correct the problem, and submit the job again. If the data is valid or the cause of the invalid data cannot be determined, contact BMC Customer Support.

BMC097172 LOGICAL LOG COLUMN DESCRIPTION RECORD FOUND WITH NO MATCHING TABLE DESCRIPTION RECORD FOR dbid.obid.

Explanation: A Logical Log Column Description record was encountered in the logical log control files with no matching Table Description Record for the dbid.obid specified. Message BMC097173 contains an image of the record in error.

User response: Determine the cause of the invalid data, correct the problem, and submit the job again. If the data is valid or the cause of the invalid data cannot be determined, contact BMC Customer Support.

BMC097173 LLOG CONTROL RECORD nnn : recordImageText

Explanation: This is a print image of the logical log control record in error associated with the preceding message.

User response: Determine the cause of the invalid data, correct the problem, and submit the job again. If the data is valid or the cause of the invalid data cannot be determined, contact BMC Customer Support.
The following logical logs have overlapping RBA/DATE ranges

**Explanation:** Multiple logical logs were specified as input for this run of the product. However overlapping RBA/LRSN or date ranges exist. The overlapping control files are displayed in succeeding messages.

**User response:** Correct the input to the job so that it does not contain logical logs with overlapping RBA/LRSN or date ranges, and submit the job again.

**BMC097175**

**FOR objectType: owner. objectName**

**Explanation:** This informational message displays the type and name of a DB2 object that is involved in a condition described by preceding or succeeding messages. The action of the product depends on the context described by the preceding or succeeding messages.

**User response:** This message requires no action. To determine an appropriate course of action, examine the related messages.

**BMC097176**

**WITH RBA RANGE X'startRbaValue' - X'endRbaValue'**

**Explanation:** These messages report the RBA/LRSN range for the logical log control file in a preceding BMC097175 message.

**User response:** Correct the input to the job so that it does not contain logical logs with overlapping RBA/LRSN or date ranges, and submit the job again.

**BMC097177**

**AND DATE RANGE 'dateValue01' - 'dateValue02'**

**Explanation:** This message reports the DATE range for the logical log control file in a preceding BMC097175 message.

**User response:** Correct the input to the job so that it does not contain logical logs with overlapping RBA/LRSN or date ranges, and submit the job again.

**BMC097178**

**FIELD IN ERROR: fieldName**

**Explanation:** This message reports the field in error encountered while processing a logical log control file as input.

**User response:** Determine the cause of the incorrect data in the field reported. Correct and submit the job again if possible. Contact BMC Customer Support.

**BMC097179**

**WORKID 'userID.workIDName' HANDLE handleNumber RUNSEQNO runSeqNumber SPECIFIED FOR ONGOING HANDLE DOES NOT EXIST**

**Explanation:** No entries in the product's Repository correspond to the specified work ID with the ongoing handle ID and run sequence number listed in the message text.

**User response:** This is a normal condition for first time runs that specify an ONGOING HANDLE. However, if this run should have found previous entries in the Repository, determine the cause of the failure (syntax, repository error, and so on), correct and submit the job again. Contact BMC Customer Support.
BMC097180  WORKID 'userID.workIDName' HANDLE handleNumber RUNSEQNO runSeqNumber HAD NO OPEN URIDS.

Explanation: The product searched its Repository for open transactions related to the specified work ID with the ongoing handle ID and run sequence number listed in the message text. The product did not find any open transactions for this work ID.

User response: This message is primarily informational. However, if the product should have found previous Open Transactions, contact BMC Customer Support.

BMC097181  SPECIFIED outputType DATASET FAILED ICF CATALOG VERIFICATION

Explanation: The product attempted to verify a data set of the output type reported (for example, load file, logical log, or SQL) with the operating system's catalog. The operating system reported an error during verification. Associated messages describing the failure precede this message.

User response: Correct the problem and submit the job again.

BMC097182  DATASET dataSetName SPECIFIED WITH DISP NEW BUT ALREADY EXISTS IN THE ICF CATALOG

Explanation: The SYSIN input of your job requested that an output data set be created with a disposition of NEW. However, this data set already exists in the operating system's catalog on the system on which the job is being run.

User response: Correct the problem and submit the job again.

BMC097183  LOGICAL LOG TABLE DESCRIPTION RECORD FOUND WITH NO MATCHING TABLE SPACE DESCRIPTION RECORD FOR creator.tableName

Explanation: While processing logical log control file input, the product encountered a control record that described a table, but has not encountered the associated table space control record.

User response: Contact BMC Customer Support.

BMC097184  REPOSITORY DATA ERROR (MISSING OR EXTRANEOUS DATA) IN TABLE tableName

Explanation: Information is missing from one of the product's Repository tables (the individual table is displayed in the message).

User response: Verify the work ID, correct it (if required), and save the work ID again.

BMC097185  GDG BASE gdgBaseName DOES NOT EXIST IN THE ICF CATALOG

Explanation: The specified GDG base name does not exist in the operating system's catalog on the system on which you are running.

User response: Verify and correct the data set name, or create the GDG base, and submit the job again.
BMC097186  **CLAUSE field01 operator field02 DID NOT MATCH ANY SPECIFIC ENTRY**

*Explanation:* The clause specified from either the WHERE clause or the filter had no matches in the DB2 catalog for BDS0 or DB2LOG input, or had no matches in the logical log control files specified for logical log input. This message can be generated for clauses that specify DB2 object names or synonyms and aliases for DB2 object names. Processing terminates.

*User response:* Verify your specified object names (or synonyms or aliases) against the current DB2 subsystem (or the content of the logical log control files). For TABLESPACE NAME specifications, the DBNAME defaults to DSNDB04. For TABLE NAME specifications, when a user ID is not explicitly coded in the WHERE clause or filter, the value defaults to the user ID of the person submitting the current job. Correct the specified object names and submit the job again.

BMC097187  **EXECSQL dataSetName IS OUTPUT OF A LOGSCAN STATEMENT IN THE CURRENT STEP**

*Explanation:* The product displays this informational message when a LOGSCAN statement in the current job step has caused the product to generate an additional EXECSQL statement (that writes to the displayed `dataSetName`).

*User response:* No action is required.

BMC097188  **COLUMN userId.tableName.columnName DOES NOT SUPPORT NULL VALUES**

*Explanation:* Syntax from the WHERE clause or filter specified a predicate type of NULL or NOT NULL for the named column, but the column does not support NULL values.

*User response:* Correct the selection criteria, and submit the job again.

BMC097189  **MISMATCHED DB2 SYSIDS ON LOGICAL LOG INPUT: ssid AND ssid.**

*Explanation:* Multiple control data sets were specified on the logical log INPUT clause that were not created with the same DB2 subsystem ID. The product does not support mixing logical logs from multiple systems.

*User response:* Ensure that all of the logical logs specified as input are for the same DB2 Subsystem.

BMC097190  **MISMATCHED COLUMNS ON LOGICAL LOG INPUT:**

*Explanation:* This message (along with message BMC097191) informs you that your job specified multiple logical log control files and that different logical log files contain column information that does not match. For example, a column name for a specified `owner.tableName` had different column numbers in their control records. The columns and numbers that caused the error are printed in succeeding BMC097191 messages.

*User response:* Determine the source of problem, correct it, and submit the job again.
BMC097191 COLUMN NAME userID.tableName.columnName NUMBER columnNumber.
Explanation: See message BMC097190 for details.
User response: Determine the source of problem, correct it, and submit the job again.

BMC097192 MISMATCHED TABLES ON LOGICAL LOG INPUT:
Explanation: This message (along with message BMC097193) informs you that your job specified multiple logical log control files and that different logical log files contain table information that does not match. For example, a table name specified in one control file does not have the same DBID.OBID for the same table name in a different control file. The tables and DBID.OBIDs that caused the error are printed in succeeding BMC097193 messages. Processing terminates.
User response: Determine the source of problem, correct it, and submit the job again.

BMC097193 TABLE: owner.tableName DBID: dbid OBID: obid
Explanation: This informational message displays the name, database identifier (DBID), and data object identifier (OBID) of a DB2 table that is involved in a condition described in preceding or succeeding messages. The action of the product depends on the context described by the preceding or succeeding messages.
User response: This message requires no action. To determine an appropriate course of action, examine the related messages.

BMC097194 MISMATCHED TABLESPACES ON LOGICAL LOG INPUT:
Explanation: This message (along with message BMC097195) informs you that your job specified multiple logical log control files and that different logical log files contain table space information that does not match. For example, a table space name specified did not have the same DBID and PSID values for the same table space name in a different control file. The table spaces and DBID and PSID values that caused the error are printed in succeeding BMC097195 messages.
User response: Determine the source of the problem, correct it, and submit the job again.

BMC097195 TABLESPACE NAME databaseName.tableSpaceName DBID.PSID dbid.psid.
Explanation: See message BMC097194 for details. This message is also used in conjunction with BMC097205 and BMC097354.
User response: See message BMC097194 for details.
BMC097196  ERROR DURING operation OF LOGICAL LOG DATA SET errorText

Explanation: The product encountered an error while performing the operation indicated in the message text. The product was reading an input logical log file. The text at the end of the message further defines the nature of the error.

User response: This message should be preceded by other messages indicating the exact cause of the failure. Refer to these messages for corrective action.

BMC097197  CANNOT USE ACTIVE LOG FILE DSN: dataSetName

Explanation: The product is running in a non-data sharing environment and attempting to read an active log data set, but the active log is an extended format data set (including data striping). In these circumstances, the product cannot read the data set because of an internal IBM restriction. (In data sharing environments, this restriction is removed and the product can read extended format active log files.) Processing continues and the product attempts to obtain the required log records from an alternate source (such as an archive log file). If the product finds an alternate source it displays message BMC097433. If it cannot find an alternate source, processing eventually terminates with message BMC097421 (unavailable log range).

User response: If the product finds an alternate source, no action is required. If processing terminates, either wait until the required log records are available in an archive log file or contact BMC Customer Support.

BMC097198  startLogPoint = X'rbalrsnValue01'endLogPoint = X'rbalrsnValue02'

Explanation: This informational message displays the starting and ending values for a range of DB2 log records that is associated with another message. The RBA/LRSN values in the message are displayed as hexadecimal values. In a non-data sharing environment, the value is a relative byte address (RBA). In a data sharing environment, it is a log record sequence number (LRSN). The startLogPoint and endLogPoint strings indicate whether the hexadecimal values represent RBAs or LRSNs.

User response: No action is required. Your overall response depends on the content of the associated messages.

Messages BMC097200 through BMC097299

This group includes messages for the Log Master for DB2 product.

BMC097200  LOGSCAN ERROR, CODE= errorCode, INFO= additionalInfoText

Explanation: This message is produced by the log scan module when an unexpected condition is encountered in the log.

User response: Contact BMC Customer Support.
BMC097201
LOGICAL LOG RECORD SIZE \((n\text{n}n\text{n})\) COMPUTED TO BE LARGER THAN MAXIMUM ALLOWED FOR THIS VB FILE \((n\text{n}n\text{n})\)

Explanation: This message indicates that you specified (or the product defaulted to creating) a variable blocked (VB) logical log. However a DB2 log record, to be described in a succeeding message, caused the creation of a record larger than the LRECL computed for this output. Usually this will be caused by a record on a table space with a page size of 32 KB.

User response: Submit the job again, specifying RECFM VBS on the LLOG Clause.

BMC097202
DB2 SUBSYSTEM \(ss\text{id}\) IS IN V8 ENABLING-NEW-FUNCTION MODE.
RESULTS OF DDL GENERATION OR OVERTIME MODE ARE UNPREDICTABLE

Explanation: The SYSIN syntax of your job results in at least one of the following actions:

- generating a DDL output file
- running in overtime mode and encountering DB2 catalog activity
- generating a Catalog Activity report
- updating the Repository with object structure definitions (REPOS UPDATE)

These actions require use of the DB2 catalog. The product has detected that the current DB2 subsystem is running in the enabling-new-function mode of DB2 version 8.1.00. The product does not support these actions in this mode. (The product does support these actions in compatibility or new-function mode.)

Processing continues, but the mixed migration state of the DB2 catalog can cause unpredictable results.

User response: Monitor the job carefully to watch for unusual behavior. Examine your output carefully to ensure that it contains the data that you need.

BMC097203
UNABLE TO COMPLETE THE FOLLOWING LOG RECORD:

Explanation: The log record listed could not be completed because of the presence of a LOAD replace, a REORG syscopy entry, or because the data has not been externalized by the DB2 subsystem.

User response: Contact BMC Customer Support.

BMC097204
RBA X'\text{logRbaValue}', TIMESTAMP timeValue, URID X'\text{unitOfRecoveryID}', RID X'\text{rowIDValue}'

Explanation: This message follows message BMC097203 and provides additional information about a specific log record.

User response: No action is required.
**BMC097205** LOG RECORD(S) CANNOT BE COMPLETED FOR THE FOLLOWING SPACE DUE TO A REORG OR LOAD REPLACE:  
*Explanation:* One or more log records for the table spaces listed in message BMC097195 are incomplete due to the presence of a LOAD replace or a REORG record in the SYSIBM.SYSCOPY table of the DB2 catalog.  
*User response:* No action is required.

**BMC097206** LIKE DSN (dataSetName) NOT IN THE ICF CATALOG  
*Explanation:* The data set listed in the message was specified in the LIKE keyword in a data set allocation clause, and the data set does not exist.  
*User response:* Correct the problem, and submit the job again.

**BMC097207** USER SPECIFIED INDEX. owner.indexName FOR TABLE owner.tableName NOT IN DB2 CATALOG  
*Explanation:* The index specified was found in the product's Repository for the table listed. However, the index for this table was not found currently in the DB2 catalog. The product will default to use the table's primary index for SQL generation.  
*User response:* No action is required. To avoid generating this message in the future, determine the cause of the message and correct the information in the Repository.

**BMC097208** NAME TOO LONG FOR OBJTYPE objectType:objectName  
*Explanation:* The named object type (that is, table space or table) is too long.  
*User response:* Correct the error and submit the job again.

**BMC097209** INVALID NAME FOR OBJTYPE objectType:objectName  
*Explanation:* The named object type (that is, table space or table) is invalid.  
*User response:* Correct the error and submit the job again.

**BMC097210** OBJTYPE objectType MAY NOT BE DELIMITED: objectName  
*Explanation:* The command processor expected an object (for example, a table space name) of the type shown. The object encountered is delimited, which is not allowed.  
*User response:* Correct the error and submit the job again.

**BMC097211** TOO MANY NODES IN OBJTYPE objectType:objectName  
*Explanation:* The named object type (that is, table space or table) has too many nodes specified. For example, a table should be 2 nodes-- userID.tablename.  
*User response:* Correct the error and submit the job again.
**BMC097212** objectType SPECIFICATION OF SYSTEM OBJECT objectName IS NOT SUPPORTED

*Explanation:* The named object type (that is, table space or table) was a system object that is not supported in this release of the product.

*User response:* Correct the error and submit the job again.

**BMC097213** REQUESTED LOGSCAN OUTPUT(S) REQUIRE TABLE/TABLESPACE SPECIFIC WHERE AND/OR FILTER CLAUSE

*Explanation:* Your log scan specifies a form of output that requires a filter that refers to at least one DB2 object. For example, a REDO SQL file, a Quiet Point report with the quiesce option, or a report that is sorted by primary key requires this type of filter. However, your filter either does not specify any DB2 objects, or specifies them only in OR relationships with predicates that do not refer to objects (such as plan names or job names).

*User response:* Correct your WHERE clause or filter so that it refers to at least one specific DB2 object (database name, table space name, table name, or column name) directly or by using an AND relationship. Submit the job again.

**BMC097214** USING INDEX owner.indexName FOR TABLE owner.tableName AS SPECIFIED IN THE REPOSITORY

*Explanation:* The product found an index for the displayed table in the product’s Repository. The product can use this index for key resolution. The index will be used for all index-related processing on this table.

*User response:* No action is required.

**BMC097215** TOTAL LOGICAL LOG RECORDS PROCESSED = nnnnnn

*Explanation:* This message displays the number of logical log records processed in the current SQL generation step.

*User response:* No action is required.

**BMC097216** LOW RBA PROCESSED = rbaValue01, HIGH RBA PROCESSED = rbaValue02

*Explanation:* This message displays the RBA/LRSN range processed by the current SQL generation step.

*User response:* No action is required.

**BMC097217** UNDO RECORDS USED = nnnnnn, REDO RECORDS USED = nnnnnn, MIGRATE RECORDS USED = nnnnnn

*Explanation:* This message displays statistics about the logical log input records for the current SQL generation step.

*User response:* No action is required.
BMC097218  UNDO RECORDS SKIPPED = nnnnnn, REDO RECORDS SKIPPED = nnnnnn, MIGRATE RECORDS SKIPPED = nnnnnn

**Explanation:** This message displays information about logical log records that were ignored for the current SQL generation step.

**User response:** No action is required.

BMC097219  INSERT SQL STMTS = nnnnnn, DELETE SQL STMTS = nnnnnn, UPDATE SQL STMTS = nnnnnn, EXCHANGE SQL STMTS = nnnnnn

**Explanation:** This message displays information about the number of SQL statements generated.

**User response:** No action is required.

BMC097220  recordType OUTPUT:RECORDS PROCESSED = nnnnnn FOR dataSetName

**Explanation:** This message displays statistics about specific record types for a given SQL data set.

**User response:** No action is required.

BMC097221  SQLLINES = nnnnnn, TEMPLATES = nnnnnn

**Explanation:** Paired with BMC097220, this message tells more about generated SQL for a given SQL data set.

**User response:** No action is required.

BMC097222  TABLE tableName TOTAL RECORDS PROCESSED = nnnnnn

**Explanation:** This messages provides table level statistics for SQL generation.

**User response:** No action is required.

BMC097223  LOW RBA PROCESSED = rbaValue01, HIGH RBA PROCESSED = rbaValue02

**Explanation:** Paired with BMC097222, this message provides information about the RBA/LRSN range processed for the specified table.

**User response:** No action is required.

BMC097224  UNDO RECORDS USED = nnnnnn, REDO RECORDS USED = nnnnnn, MIGRATE RECORDS USED = nnnnnn

**Explanation:** This message (along with message BMC097222) provides information about logical log records processed for the specified table during SQL generation.

**User response:** No action is required.
**BMC097225**

**INSERT SQL STMTS = nnnnnn, DELETE SQL STMTS = nnnnnn, UPDATE SQL STMTS = nnnnnn, EXCHANGE SQL STMTS = nnnnnn**

_Explanation:_ This message (along with message BMC097222) provides information about statements generated for the specified table during SQL generation.

_User response:_ No action is required.

**BMC097226**

**RECORDS WITH LONG DATA = nnnnnn, UPDATES ELIMINATED = nnnnnn**

_Explanation:_ The product displays this informational message when it has generated SQL statements relating to the table indicated in an associated BCM97222 message. The message tells you:

- how many of the SQL statements were INSERT statements that contained character string values longer than the maximum string constant supported by your version of DB2
  
  _Details:_ When the product must generate an INSERT statement with a string constant longer than the limit allowed by DB2, the product generates an INSERT statement that includes a series of CONCAT operators in its VALUE clause to add as many substrings as are necessary to include the entire string value.

- how many UPDATE statements were not included in the generated SQL because the net results of the update actions did not change the affected table rows
  
  _Details:_ The product can omit UPDATE statements in several situations. For example: when your work ID excludes columns from the generated SQL statements, and an UPDATE action in the DB2 log changes only the excluded columns.

_User response:_ No action is required.

**BMC097227**

**sqlStepType STARTED**

_Explanation:_ This message indicates the start of SQL generation/execution.

_User response:_ No action is required.

**BMC097228**

**sqlStepType COMPLETE**

_Explanation:_ This message indicates the end of SQL generation/execution.

_User response:_ No action is required.

**BMC097229**

**DB2 VERSION versionNumber IS NOT SUPPORTED BY THIS UTILITY**

_Explanation:_ The product displays this message when it is run against a version of DB2 that is earlier than the earliest supported version. For information on the supported versions of DB2, see the product’s technical documentation.

_User response:_ Run the product against a supported version of DB2.
LOW RBA = X'\text{rbaValue01}', HIGH RBA = X'\text{rbaValue02}', NUM PAGES = \text{numOfPages}, POINT PAGES = \text{numOfPointPages}

Explanation: The product displays this message only when a message level of 2 or greater is specified for the job run. It is a continuation of message BMC097346. It indicates the range of RBAs/LRSNs that will be read from the DB2 log file being processed. The RBA/LRSN range is converted into a page count and the number of blocks to be used as a point value for log files on direct access storage devices.

User response: No action is required.

HEX FORMAT USED FOR COLUMN DATA WITH UNTRANSLATABLE CHARACTERS IN SQL/REPORT, COLUMN \text{columnName} TABLE \text{owner.'\text{tableName}}

Explanation: The product displays this warning message as it tries to convert the Unicode characters in a column value to EBCDIC before writing the value to an SQL or report output file. At least one of the characters is an untranslatable Unicode character. For SQL statements, the product includes hexadecimal representation (for example, x'434F4C8B7370677F89' ) of the column's data in the SQL statement and continues processing. For reports, the product includes a substitute character (for example, x'3F' ) in the data and adds extra lines to the report that include the hexadecimal representation of the original column data.

User response: No action is required.

PROCESSING LOG RESCAN FOR SYSOBD INFORMATION

Explanation: The product displays this informational message when it encounters a log record that reflects a version of a DB2 object that is different than the version of that object that is stored in the current table space. Neither the table space nor the image copies available to the product contain information about the previous version found in the log record. The product performs rescan processing to search the DB2 log for information about the structure of the previous version of the DB2 object. In rescan processing, the product reads log records that are older than the start point of your log scan or re-reads log records within the range of your log scan.

User response: No action is required.

ERROR IN INITIALIZATION OF EDITPROC \text{editProcedure}, RC= \text{returnCode}

Explanation: Initialization of the named EDITPROC failed.

User response: Verify the presence of the EDITPROC in a library in the STEPLIB concatenation.

EDITPROC \text{editProcedure} WILL BE USED FOR TABLE \text{owner.'\text{tableName}}

Explanation: The message gives the name of the EDITPROC that is used.

User response: No action is required.
BMC097235  ERROR IN CALL OF EDITPROC editProcedure, RET= returnCode, REASON= reasonCode
Explanation: The EDITPROC returned an error code.
User response: Consult the EDITPROC documentation.

BMC097236  ERROR IN TERMINATION OF EDITPROC editProcedure, RC= returnCode
Explanation: A problem occurred during EDITPROC termination.
User response: Contact BMC Customer Support.

BMC097237  ERROR IN INITIALIZATION OF FIELDPROC fieldProcedure, RC= returnCode
Explanation: Initialization of the named field procedure failed.
User response: Verify the presence of the field procedure in the STEPLIB concatenation.

BMC097238  SYSOBD RECORD FOUND IN LOG:
Explanation: The product displays this informational message when it encounters log records that reflect a change in the structure of a DB2 object and that create a different version of that object. (The product refers to these log records as “SYSOBD records”). The product has determined that this information might relate to the objects selected by your filter and is storing the versioning information for possible future use. The product subsequently displays message BMC097248 to provide the object ID (OBID) information and version number that are reflected in the SYSOBD log records.
User response: No action is required.

BMC097239  FIELDPROC fieldProcedure fpFunction ERROR RT= returnCode RS= reasonCode MSG =msgText
Explanation: A field procedure has reported an error. The function within the field procedure, the return code, the reason code, and the error message are displayed for your reference.
User response: Consult the field procedure documentation.

BMC097240  ERROR IN TERMINATION OF FIELDPROC fieldProcedure, RC= returnCode
Explanation: The field procedure could not be terminated.
User response: Contact BMC Customer Support.

BMC097241  BAD ENCODED FIELD TYPE FOR FIELDPROC fieldProcedure, TYPE= dataType
Explanation: The data type value found in SYSIBM.SYSFIELDS was not valid for a field procedure.
User response: Correct the field procedure definition in the DB2 catalog.
BAD DECODED FIELD TYPE FOR FIELDPROC fieldProcedure, TYPE=dataType

Explanation: The data type value found in SYSIBM.SYSCOLUMN was not valid for a field procedure.

User response: Correct the column definition in the DB2 catalog.

COUNTERS FOR LOAD OUTPUT SELECTION/SORT PROCESSING

Explanation: The messages that follow contain the counters accumulated during load output selection processing.

User response: No action is required.

LOGICAL LOG: INPUT RECORDS = nnnnnn, DISCARDED RECS = nnnnnn, TO LOAD PIPE = nnnnnn

Explanation: This informational message displays the number of logical log records that the product encounters at the beginning of load selection processing. It also displays the number of records that the product discards during selection processing, and the number of records passed on to succeeding output processing.

User response: No action is required.

LOAD PIPE RECS: INSERT RECS = nnnnnn, DELETE RECS = nnnnnn, UPDATE RECS = nnnnnn

Explanation: This informational message breaks down the total number of logical log records that the product passes on to subsequent load output processing. The message displays a total for each update type of the records (insert, delete, and update). The sum of all three update type totals should be equal to the number of records displayed after “TO LOAD PIPE” in the related BMC097244 message.

User response: No action is required.

URID RECS = nnnnnn, TOTAL RECORDS TO LOAD PIPE = nnnnnn

Explanation: If your job requests separate URID load data (by using the URID TABLE YES keyword), this message displays the number URID-related records that the product passed on to subsequent output processing. The message also displays the total number of records passed on for subsequent output processing. The total number in this message should be equal to the number of URID-related records plus the number of records displayed after “TO LOAD PIPE” in the related BMC097244 message.

User response: No action is required.

LOAD OUTPUT COUNTERS:

Explanation: The counters from load output generation follow.

User response: No action is required.
**BMC097248**

**OBID: obid, VERSION: versionNumber**

**Explanation:** This product displays this informational message when it encounters log records that reflect a change in the structure of a DB2 object that creates a different version of that object (SYSOBD records). This message is normally preceded by a BMC097238 message.

**User response:** No action is required.

**BMC097249**

**INSERT RECORDS = nnnnnn, DELETE RECORDS = nnnnnn, UPDATE RECORDS = nnnnnn**

**Explanation:** This message displays the number of insert, update, and delete records generated for load (either for a single table or total).

**User response:** No action is required.

**BMC097250**

**UPDATE: BEFORE RECORDS = nnnnnn, AFTER RECORDS = nnnnnn, BOTH RECORDS = nnnnnn**

**Explanation:** The update load record count is broken down into the types of records possible (before, after, or both).

**User response:** No action is required.

**BMC097251**

**LOAD RECORDS = nnnnnn, CONTROL RECORDS = nnnnnn, LOAD RECORDS NOT WRITTEN = nnnnnn, CONTROL RECORDS NOT WRITTEN = nnnnnn**

**Explanation:** This message displays the total number of load records and control records written or not written. (The message can contain information for either a single table or for the overall total).

**User response:** No action is required. If the NOT WRITTEN counters are not zero, look to preceding messages for explanations and action.

**BMC097252**

**LOAD OUTPUT TOTALS:**

**Explanation:** The overall total counters for a LOGSCAN load follow.

**User response:** No action is required.

**BMC097253**

**SEPARATE URID DATA RECORDS = nnnnnn, CONTROL RECORDS = nnnnnn**

**Explanation:** If the URID TABLE keyword is specified as YES on the load clause to generate load data of the URIDs processed, this message contains the number of load data records generated and the control records written to load these records.

**User response:** No action is required.

**BMC097254**

**LOAD FILES = nnnnnn, CONTROL FILES = nnnnnn, TABLES PROCESSED = nnnnnn**

**Explanation:** This message displays the number of files written and number of tables included in the load files. If SEPARATE DATASETS was set to YES, the
load files, control files, and tables processed should all be equal. If SEPARATE DATASETS is set to NO, load files and control files should be equal to one.

_user response:_ No action is required.

**BMC097255**

**FOR** `dictionaryType DICTIONARY databaseName.tableSpaceName`

**Explanation:** The product displays this message after a BMC097603 message. This message displays the table space name of the compression dictionary or auto compression dictionary that the product is accessing in the Old Objects Table of the Repository.

_user response:_ No action is required.

**BMC097256**

**SYSIN IN JCL AND DEALLOCATION FAILED DURING QUIESCE**

**Explanation:** The data set that contains your job's SYSIN input is being deallocated to allow a SYSIN to be allocated and built for a QUIESCE utility execution. The deallocated failed.

_user response:_ Look for messages in the system log, and contact BMC Customer Support.

**BMC097257**

**LOGICAL LOG INDEX COLUMN RECORD FOUND WITH NO MATCHING INDEX DESCRIPTION RECORD FOR dbid, psid**

**Explanation:** Input logical log control files were being processed and an Index Column Record describing the KEYS in an INDEX was encountered without the corresponding Index Description Record being found previously.

_user response:_ Correct the logical log control file and submit the job again. Contact BMC Customer Support with the error, logical log control file in error, and the JOB output that created the logical log control file, if possible, to resolve this problem.

**BMC097258**

**SYSPRINT IN JCL AND DEALLOCATION FAILED DURING QUIESCE**

**Explanation:** The JCL of the current job contains a DD statement for a SYSPRINT data set. The product is deallocating the data set to allow a SYSPRINT to be allocated for a QUIESCE utility execution. The deallocation failed.

_user response:_ The SYSPRINT DD statement is not required and can be removed from the JCL. Look for messages in the system log and contact BMC Customer Support.

**BMC097259**

**DATABASE = databaseName, TABLESPACE = tableSpaceName, NPART = numOfParts, COUNTED TSPARTS = count**

**Explanation:** An internal error has occurred.

_user response:_ Contact BMC Customer Support.
SYSIN WRITE FOR QUIESCE FAILED

Explanation: An internal error has occurred.
User response: Contact BMC Customer Support.

DUE TO processingType, CHECKPOINT AT RBA RANGE X 'rbaValue01' -> X 'rbaValue02' WILL BE READ

Explanation: The product is reading a DB2 checkpoint record before the start of your log scan to obtain information about the transactions (units of recovery) that were open when the checkpoint record was created. The product can take this action to perform several types of processing, including Quiet Point or Open Transaction reports.
User response: No action is required.

LOG FILE PLANNING COMPLETED WITH RC = returnCode

Explanation: The planning phase for the DB2 log files completed with the return code displayed in the message text.
User response: Review messages immediately preceding this one in the job output to determine the exact nature of the planning return code. If an error message has been issued, correct the error condition, and submit the job again.

DATASET GENERATED FROM MODEL dataSetName IS TOO LONG

Explanation: The data set model, with symbolics, resolves to a data set name that is over 44 bytes long.
User response: Correct the syntax and submit the job again.

SPECIFIED SYMBOLIC IS NOT VALID

Explanation: A symbolic specified for the data set name listed is not valid for this type of output.
User response: Correct the syntax and submit the job again.

SPECIFIED SYMBOLIC (symbolicName) IS NOT VALID FOR MEMBER NAMES

Explanation: A symbolic substitution specified in the member name field is not valid for member names.
User response: Correct the syntax and submit the job again.

WORK ID HEADER NOT FOUND FOR WORK ID workIDName -- REPOSITORY UPDATES PROCEEDING

Explanation: History information for each job run is normally written to the product's Repository using a work ID name. This message indicates no work ID exists in the Repository by the name shown in the message text. The product will still write the history information to the Repository, but it will not create a work ID header record for this work ID name.
User response: Although this is an informational message, you might want to verify whether the work ID header record has been deleted accidentally. If it...
has, you will need to re-add it using the online interface. This message might be ignored for jobs submitted using a default work ID that has not been saved.

**BMC097267**  
**ERROR OCCURED WHILE WRITING REPOSITORY HISTORY FOR WORK ID workIDName -- UPDATE(S) WILL BE ROLLED BACK**

*Explanation:* While writing job-related history information to the product's Repository at the end of a job run, an error occurred during the update of the Repository. In order to keep information about the work ID synchronized, all history information for the job run is rolled back.

*User response:* Review error messages immediately preceding to determine the nature of the error.

**BMC097268**  
**MEMBER NAME GENERATED FROM MODEL modelString IS TOO LONG**

*Explanation:* The member name model, with symbolics, resolves to a member name that is over 8 bytes long.

*User response:* Correct the syntax and submit the job again.

**BMC097269**  
**PROCESSING type REPORT.**

*Explanation:* The product is generating the specified type of report.

*User response:* No action is required.

**BMC097270**  
**PREDICATE VALUE HAS UNMATCHED DELIMITER (delimiterChar)**

*Explanation:* A predicate value has an unmatched delimiter.

*User response:* Correct the delimiter and submit the job again.

**BMC097271**  
**SEPARATE LOAD DATASETS REQUESTED, BUT PROPER MODEL WITH BOTH &TABOWN AND &TABNAME NOT SUPPLIED**

*Explanation:* The symbolic names &TABOWN and &TABNAME are required in both the DATASET and CONTROL data set models on the load clause when SEPARATE DATASETS YES is specified. For more information about these symbolic names, see the product's technical documentation.

*User response:* Correct the syntax and submit the job again.

**BMC097272**  
**SEPARATE LOAD DATASETS WAS NOT REQUESTED, HOWEVER, &TABOWN OR &TABNAME WERE FOUND IN THE DSN MODEL**

*Explanation:* The symbolic names &TABOWN or &TABNAME were found in the data set name model for the load DATASET or control file, but SEPARATE DATASETS YES was not specified. For more information about these symbolic names, see the product's technical documentation.

*User response:* Correct the syntax and submit the job again.
THE FOLLOWING LOAD DATASET NAME MODEL CAN POTENTIALLY RESOLVE TO A DATASET LARGER THAN 44 BYTES

Explanation:  The model specified for load output, with SEPARATE DATASETS YES, can potentially resolve to data set names larger than 44 bytes if the table name for resolution is 18 bytes long. When a data set name resolves to more than 44 bytes, the product attempts to truncate the table name in order to shorten the data set name. If the product cannot allocate the data set with the shortened name, it issues an error, and does not write load output for that specific table. Processing continues.

User response:  To prevent potential problems for future runs, shorten the data set model. If a succeeding error message is received for an allocation problem, action will be necessary.

UNABLE TO ATTACH UTILITY utilityName, RC=X'utilityReturnCode'

Explanation:  The attach failed with the displayed return code while attempting to attach the specified utility.

User response:  Contact BMC Customer Support.

utilityName UTILITY ABENDED WITH SYSTEM CODE X'errorCode'

Explanation:  The specified utility abended with the system code displayed.

User response:  Contact BMC Customer Support.

ERROR RETURNED FROM QUIESCE UTILITY

Explanation:  A QUIESCE failed.

User response:  Retry the run after determining the reason for the failure.

utilityOutputText

Explanation:  The output shown is echoed from a utility execution.

User response:  Examine the preceding messages.

FAILED TO PROPERLY LOCATE QUIESCE RBA IN FOLLOWING:

Explanation:  The following message shows a line of QUIESCE output expected to contain the QUIESCE RBA/LRSN.

User response:  This is an internal error. Contact BMC Customer Support.

moduleName: FAILURE IN operation FOR fileStreamName, CODE = returnCode

Explanation:  The product has encountered a failure during an I/O operation.

User response:  Look for other error messages giving more details about how to resolve the problem. If there are no other error messages, contact BMC Customer Support.
<table>
<thead>
<tr>
<th>Message ID</th>
<th>Description</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC097280</td>
<td><strong>INPUT TO BIND FOLLOWS:</strong></td>
<td>This message indicates that BIND input statements follow in the listing.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC097281</td>
<td><strong>INPUT LINE:</strong> <code>inputLineText</code></td>
<td>This message lists the input statements for the DSN BIND command that the product invokes internally during SQL processing or old objects data set input.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC097282</td>
<td><strong>OUTPUT FROM BIND FOLLOWS:</strong></td>
<td>This message lists output messages from the DSN BIND command that the product invokes internally during SQL execution.</td>
<td>If the BIND succeeded, no action is required. If the BIND failed, the job terminates. Examine the messages for the reason for the BIND failure and take corrective action.</td>
</tr>
<tr>
<td>BMC097283</td>
<td><strong>OUTPUT LINE:</strong> <code>bindMessageText</code></td>
<td>This message lists output messages from the DSN BIND command that the product invokes internally during SQL execution.</td>
<td>If the BIND succeeded, no action is required. If the BIND failed, the job terminates. Examine the messages for the reason for the BIND failure and take corrective action.</td>
</tr>
<tr>
<td>BMC097284</td>
<td><strong>FAILURE IN BIND, RETURN VALUE FROM DSN = <code>returnCode</code></strong></td>
<td>A failure occurred in the DSN BIND command invoked internally by the product.</td>
<td>See the BIND output messages in BMC097283 for additional diagnostic information.</td>
</tr>
<tr>
<td>BMC097285</td>
<td><strong>SQL RETURN CODE <code>SQLCode</code> AT LINE NUMBER <code>lineNumber</code> IN INPUT SQL FILE</strong></td>
<td>A nonzero SQL code was generated when the SQL statement at the given line number was executed.</td>
<td>If the SQL code is not acceptable, take normal corrective action. To learn more, look for information about SQL code handling in the section “Executing SQL” in the Log Master for DB2 User Guide.</td>
</tr>
<tr>
<td>BMC097286</td>
<td><strong>messageText</strong></td>
<td>The message text from DSNTIAR is printed in this message. If a nonzero SQL code is detected by the SQL execution processor, DSNTIAR is invoked to produce a detailed description of the error.</td>
<td>No action is required.</td>
</tr>
</tbody>
</table>
**BMC097287**  
**SQL WARNING SQLCode AT LINE NUMBER lineNumber IN INPUT SQL FILE**

*Explanation:* An SQL warning was detected by the SQL generation processor when the SQL statement at the specified line number was executed.

*User response:* No action is required. To learn more, look for information about SQL code handling in the section “Executing SQL” in the *Log Master for DB2 User Guide.*

**BMC097288**  
**numOfRows ROWS UPDATED AT LINE NUMBER lineNumber IN INPUT SQL FILE**

*Explanation:* The product’s SQL processor detected that the statement at the specified line number updated (or deleted) more than one row when it was executed. Because the product normally generates one update per row, this situation could be anomalous.

*User response:* Verify whether the multiple updates are acceptable in the context of your application. To learn more, look for information about SQL code handling in the section “Executing SQL” in the *Log Master for DB2 User Guide.*

**BMC097289**  
**SQL ACTION: ABORT - NO MATCHING RESPONSE CODE**

*Explanation:* No matching SQL response action was found for the preceding SQL condition. The job will abort (rollback and terminate) at this point.

*User response:* Contact BMC Customer Support.

**BMC097290**  
**SQL ACTION: SQLResponseAction**

*Explanation:* This message indicates what response is to be taken for the preceding SQL condition. Responses and the techniques for specifying them are listed in the section “Executing SQL” in the *Log Master for DB2 User Guide.*

*User response:* Analyze the SQL condition in the context of your application to determine if it is acceptable. If not, take corrective action.

**BMC097291**  
**INPUT TO FREE FOLLOWS:**

*Explanation:* The product displays this informational message when it issues a DB2 FREE command to free the plan that it uses to execute generated SQL. The text of the command is displayed for your information.

*User response:* No action is required.

**BMC097292**  
**FAILURE IN FREE, RETURN VALUE FROM DSN = value**

*Explanation:* An error occurred during a DSN FREE command that the product invoked internally.

*User response:* See the associated BMC097283 messages for more information, and take corrective action.
BMC097293  OUTPUT FROM FREE follows:
Explanation: This message indicates that the following DSN output text messages are from an execution of the DSN FREE command that the product invoked internally.
User response: No action is required.

BMC097294  ERROR IN tokenType TOKEN AT POSITION position
Explanation: An error occurred parsing an input SQL command, input SQL template, or input SQLCODES statement.
User response: If you coded the statement, correct it and submit the job again. If the product generated the statement, contact BMC Customer Support.

BMC097295  INVALID CHARACTER hexValue AT POSITION position
Explanation: An error occurred parsing an input SQL command, input SQL template, or input SQLCODES statement.
User response: If you coded the statement, correct it and submit the job again. If the product generated the statement, contact BMC Customer Support.

BMC097296  ERROR IN tokenType01 EXPECTING token01, FOUND token02
Explanation: An error occurred parsing an input SQL command, input SQL template, input SQLCODES statement, or Old Object inputs.
User response: If you coded the statement, correct it and submit the job again. If the product generated the statement, contact BMC Customer Support.

BMC097297  ERROR IN tokenTypes, token TOO LONG
Explanation: An error occurred parsing an input SQL command, input SQL template, input SQLCODES statement, or Old Object inputs.
User response: If you coded the statement, correct it and submit the job again. If the product generated the statement, contact BMC Customer Support.

BMC097298  MISMATCH IN NUMBER OF COLUMNS AND HOST VARIABLES
Explanation: A mismatch was detected between the number of columns in an INSERT SQL template and the number of host variables specified.
User response: If you modified the template, correct the error and submit the job again. If the template was generated incorrectly by the product, contact BMC Customer Support.

BMC097299  HOST VARIABLE MUST START WITH ':V'
Explanation: Host variable descriptions in the product's SQL templates must start with the characters : V.
User response: If you modified the template, correct the error and submit the job again. If the template was generated incorrectly by the product, contact BMC Customer Support.
Messages BMC097300 through BMC097399

This group includes messages for the Log Master for DB2 product.

BMC097300  *length IS AN INVALID LENGTH FOR HOST VARIABLES OF TYPE SQLType*

*Explanation:* An SQL template contains a host variable description with an invalid length.

*User response:* If you modified the template, correct the error and submit the job again. If the template was generated incorrectly by the product, contact BMC Customer Support.

BMC097301  *SCALE VALUE LARGER THAN PRECISION FOR DECIMAL VARIABLE*

*Explanation:* An SQL template or old objects data set contains a decimal host variable description with an invalid scale or length.

*User response:* If the error is in an old objects data set, or if you modified the template, correct the error and submit the job again. If the template was generated incorrectly by the product, contact BMC Customer Support.

BMC097302  *text IS AN INVALID COLUMN TYPE IN A TEMPLATE HOST VAR*

*Explanation:* An SQL template contains an invalid column type.

*User response:* If you modified the template, correct the error and submit the job again. If the template was generated incorrectly by the product, contact BMC Customer Support.

BMC097303  *DUPLICATE STATEMENT NUMBER nnnnnnn*

*Explanation:* An SQL template data set contains two or more templates with the same statement number.

*User response:* If you modified the template, correct the error and submit the job again. If the template was generated incorrectly by the product, contact BMC Customer Support.

BMC097304  *MISMATCH BETWEEN TEMPLATE AND SQL STATEMENT ON mismatchType TEMPLATE = text01, SQL = text02*

*Explanation:* The product detected a mismatch between an SQL statement and its associated template.

*User response:* If you modified the template, correct the error and submit the job again. If the template was generated incorrectly by the product, contact BMC Customer Support.
BMC097305  **MISMATCH BETWEEN TEMPLATE AND SQL STATEMENT ON COLUMN COUNT**

*Explanation:* The product detected a mismatch between an SQL statement and its associated template.

*User response:* If you modified the template, correct the error and submit the job again. If the template was generated incorrectly by the product, contact BMC Customer Support.

BMC097306  **MISMATCH IN NUMBER OF COLUMNS AND CONSTANTS**

*Explanation:* During parsing of an SQL INSERT statement, the product determined that there were not the same number of columns as constants in the VALUE clause.

*User response:* If you modified the SQL statement, correct it and submit the job again. If the product generated the statement incorrectly, contact BMC Customer Support.

BMC097307  **MISMATCH IN NUMBER OF COLUMNS AND CONSTANTS**

*Explanation:* During parsing of an SQL INSERT statement, the product determined that there were not the same number of columns as constants in the VALUE clause.

*User response:* If you modified the SQL statement, correct it and submit the job again. If the product generated the statement incorrectly, contact BMC Customer Support.

BMC097308  **INVALID CONSTANT TYPE FOR COLUMN ** *columnName* **: EXPECTING type01, FOUND type02**

*Explanation:* The product detected a mismatch between an SQL statement and its associated distinct type in the SQL template file.

*User response:* If you modified the template file or the SQL statement, correct the error and submit the job again. If the template file or the SQL statement was generated incorrectly by the product, contact BMC Customer Support.

BMC097309  **STRING VALUE TOO LONG FOR COLUMN ** *columnName*, **CONSTANT TRUNCATED**

*Explanation:* The string value found was longer than the maximum length specified in the template for the given column.

*User response:* Analyze this situation in the context of your application to determine why the string value was generated as it was. If it was generated erroneously by the product, contact BMC Customer Support.
BMC097310  **STATEMENT NUMBER nnnnnn NOT FOUND IN TEMPLATE FILE**

*Explanation:* A template statement number for a statement that does not exist in the template file was coded for an SQL statement.

*User response:* If you modified the template file or the SQL statement, correct it and submit the job again. If the template file or the SQL statement was generated erroneously by the product, contact BMC Customer Support.

BMC097311  **WARNING: EMPTY SQL FILE**

*Explanation:* The input SQL file is empty. This message can be a normal result of processing. If the product cannot find any log records that match the filter during the time frame specified in the LOGSCAN statement, the product does not generate any SQL statements and the output SQL file is empty.

*User response:* No action is required.

BMC097312  **logRecBufferText**

*Explanation:* The product displays this informational message as it processes log records through an internal memory and file structure called the log record buffer. The message displays statistical and diagnostic information related to the buffer.

*User response:* No action is required. In the event of a performance problem related to log record processing, BMC Customer Support might request information displayed in this message.

BMC097313  **DUE TO NUMBER OF TRACKS, CANNOT POINT INTO dataSetName**

*Explanation:* The product displays this informational message as it attempts to use point processing (random access) to read information from the data set listed in the message. However, random access is not available because the amount of space that this data set occupies on DASD storage exceeds 65535 tracks. The product continues processing and uses sequential access to read the required information from this data set. Performance might be affected.

*User response:* No action is required.

BMC097314  **OBTAINED FAILED FOR FORMAT dscbType DSCB, CABINET COPY WILL BE UNUSABLE**

*Explanation:* The product displays this warning message when it encounters an error as it attempts to read a cabinet copy created by the BMC product COPY PLUS. Cabinet copies contain a group of table spaces and indexes within a single cabinet file to provide performance improvements when managing large numbers of small table spaces. The product discards the cabinet copy and attempts to use other resources (such as other image copies). Processing continues.

*User response:* No immediate action is required. If the cabinet copy is the only available resource that contains required information, the job might terminate with subsequent messages related to incomplete log records or failure to decompress log records.
**BMC097315**  
EMPTY SQLCODES DD - DEFAULTS USED  
*Explanation:* The input SQLCODES file is empty. Product defaults will be used.  
*User response:* For details about the syntax to use in an SQLCODES file, look for information on SQLCODES in the section, “Executing SQL,” in the Log Master for DB2 User Guide.

**BMC097316**  
WARNING: EMPTY TEMPLATE FILE  
*Explanation:* The input template file is empty. This message can be a normal result of processing. If the product cannot find any log records that match the filter during the time frame specified in the LOGSCAN statement, the product does not generate any SQL statements and the template file for the output SQL is empty.  
*User response:* No action is required.

**BMC097317**  
TOTAL LOGICAL LOG RECORDS SEEN BY SQLGEN = nnnnnn, RECORDS SKIPPED DUE TO BLANK TYPE = nnnnnn  
*Explanation:* This message displays statistics on total logical log records processed by all SQL generation steps.  
*User response:* No action is required.

**BMC097318**  
text RECORDS SEEN = nnnnnn, SKIPPED = nnnnnn, RI USED = nnnnnn, RI SKIPPED = nnnnnn, TRIGGER USED = nnnnnn, TRIGGER SKIPPED = nnnnnn  
*Explanation:* This informational message displays statistics on total logical log records processed by all SQL generation steps.  
*User response:* No action is required.

**BMC097319**  
LOW RBA SEEN = rbaValue01, HIGH RBA SEEN = rbaValue02  
*Explanation:* This message displays statistics on total logical log records processed by all SQL generation steps.  
*User response:* No action is required.

**BMC097320**  
DECIMAL CONSTANT TOO LONG DURING SCALE ADJUSTMENT FOR COLUMN columnName  
*Explanation:* The product has encountered an internal error and generated an invalid decimal constant during SQL generation.  
*User response:* Contact BMC Customer Support.

**BMC097321**  
DECIMAL CONSTANT TRUNCATED IN MOST SIGNIFICANT DIGITS  
*Explanation:* The product has encountered an internal error and generated an invalid decimal constant during SQL generation.  
*User response:* Contact BMC Customer Support.
THE FOLLOWING SEPARATE LOAD DATASET NAME IS TOO LARGE, TRUNCATING TABLE NAME TO \textit{nn} BYTES IN ATTEMPT TO CORRECT

\textit{Explanation}: The table name for the separate load output data set name is being truncated to resolve the model to a data set name of 44 bytes. The product attempts to allocate and use the truncated data set name. If allocation fails, the product produces an error message.

\textit{User response}: No action is required. To prevent problems in future runs, you should shorten the model data set name.

ERROR ALLOCATING RESOLVED SEPARATE LOAD DSN FOR \textit{owner.tableName}. NOT WRITING SEPARATE LOAD OUTPUT FOR THIS TABLE

\textit{Explanation}: The separate load output data set for the table listed could not be allocated. The product will not write output for this table, but continues processing in an attempt to create all other outputs associated with this run.

\textit{User response}: Look at the job output carefully. Some outputs have been created. Correct the problems and submit a modified job to create the outputs suppressed due to problems in this run.

KEYED STORAGE SPILLED TO CLUSTER \textit{dataSetName}

\textit{Explanation}: The product required more temporary workspace than permitted by the memory limits that you specified and spilled from virtual memory to the displayed DASD data set. Spilling to DASD degrades the overall performance of the product.

\textit{User response}: No action is required.

EXISTING FILE ATTRIBUTES OF \textit{dataSetName} ARE INCORRECT

\textit{Explanation}: The SYSIN syntax of your job specifies an existing data set as one form of output. However, the attributes of this data set are not compatible with the type of output that the product is attempting to write into the data set. Some situations when the product issues this error message include

- Load control files are not specified as LRECL 80 and RECFM FB.
- Report output files for printed reports do not have an LRECL value of at least 81 and a RECFM value of FBA.
- Output load data files do not have a RECFM of VB or VBS, or logical log data files do not have a RECFM value of VB.
- An input old objects data set has bad attributes.

\textit{User response}: Correct the problem and submit the job again.
BMC097327  WARNING: AT LEAST ONE SQL STATEMENT WAS LONGER THAN \texttt{length K}  

Explanation: The product displays this warning message when an SQL statement in the output file is longer than the maximum statement length supported by the current version of DB2. The High-speed Apply Engine can probably process the statement, but dynamic SQL processors such as SPUFI or DSNTEP2 or other programs might not process the statement successfully. Processing continues.  
User response: No immediate action is required. However, you might want to verify whether the generated SQL statement meets your needs.

BMC097328  CONFLICTING OPTIONS IN SYSIN - FOUND \texttt{keyword01} WITH \texttt{keyword02} IN PREVIOUS STATEMENT  

Explanation: The command processor found \texttt{keyword01} with a conflicting syntax element, \texttt{keyword02}, in a preceding statement. (For example, REPOS NO on the OPTIONS statement and the MARKSCAN keyword of a LOGSCAN statement)  
User response: Correct the syntax and submit the job again.

BMC097329  SPECIFICATION OF \texttt{startPointType} AS LOGSCAN START POINT IS NOT VALID  

Explanation: The SYSIN syntax of your job or job step specifies the start point of a log scan by using a keyword that the product supports only as the end point. For example, you cannot specify CURRENT or LAST ARCHIVE as a start point. Processing terminates.  
User response: Correct the syntax by using valid start point syntax (for example, an RBA/LRSN value, a date or time, or a log mark name) and submit the job again.

BMC097330  OPTION STATEMENTS MUST PRECEDE OTHER STATEMENT TYPES  

Explanation: OPTION statements appear in the SYSIN after another statement type (for example, a LOGSCAN statement).  
User response: Place all OPTION statements at the beginning of the SYSIN, and submit the job again.

BMC097331  MARK \texttt{markName} VERSION \texttt{versionNumber} RECORDED AT RBA \texttt{X\'rbaValue} (text QUIESCE)  

Explanation: A log mark with the name of \texttt{markName} has been successfully recorded in the product's Repository, with the version number displayed in the message text. The RBA/LRSN associated with the mark is shown as \texttt{rbaValue}. The text in the message will be the literal “WITH” or “NO”, depending on whether a quiesce was issued as the log mark was created.  
User response: No action is required.
BMC097332  RESOLVED DSN (dataSetName) IS INVALID

Explanation: The data set name specified, resolved from a SYSIN specified data set model containing symbolics, is invalid.

User response: Correct the syntax and submit the job again.

BMC097333  READING RANGE'S END RBA X'\text{rbaValue01}' IS PAST THE HIGH WRITTEN RBA FOR DB2 X'\text{rbaValue02}'

Explanation: The product requires a record from the DB2 log file that has an RBA/LRSN value of \text{rbaValue01}, but the highest RBA/LRSN record that DB2 has externalized is \text{rbaValue02}. Because the record has not been written but the product needs it to successfully complete its processing, processing terminates.

User response: Submit the job again. If the problem persists, contact BMC Customer Support.

BMC097334  PROCESSING dataSetType DATASET dataSetName

Explanation: This message is printed at the start of SQL execution to indicate which SQL and template data sets are being used or at the start of parsing an old objects data set.

User response: No action is required.

BMC097335  MARK NAME GENERATED FROM MODEL modelMarkString IS TOO LONG

Explanation: The mark name resolved from the specified model (with symbolics) is too long.

User response: Correct the syntax and submit the job again.

BMC097336  THE SPECIFIED SYMBOLIC IS NOT VALID FOR INPUT MARK NAMES

Explanation: An invalid symbolic was encountered for an input mark name.

User response: Correct the syntax and submit the job again.

BMC097337  REQUIRED RBA X'\text{rbaValue01}' IS PAST THE OLD HIGH WRITTEN RBA FOR DB2 X'\text{rbaValue02}' -- NEW VALUE FETCHED

Explanation: The product requires a record from the DB2 log which has an RBA/LRSN value greater than the highest written record for DB2 when the current job started. The product is therefore reacquiring the high written RBA/LRSN value from DB2. This message is issued only when the message level for the job run is set to a value of 2 or greater.

User response: No action is required.

BMC097338  THE NEW HIGH RBA FOR DB2 IS X'\text{rbaValue}'

Explanation: The product displays this informational message when it has reacquired the highest-written RBA/LRSN value from DB2 (displayed as \text{rbaValue} in the message text).

User response: No action is required.
THE REQUIRED RBA X’rbaValue01’ CALCULATED BY LOG HANDLER IS BEYOND NEW DB2 SUBSYS RBA X’rbaValue02’

Explanation: The product needs a log record that exceeds the highest RBA/LRSN record written by DB2 to its log file. Because the product cannot access the log record, processing terminates.

User response: Submit the job again. If the problem persists, contact BMC Customer Support.

INCOMPATIBLE OUTPUTS - recoveryType01 CANNOT BE SPECIFIED WITH recoveryType02

Explanation: The product displays this message when it is processing an automated drop recovery action. The SYSIN syntax of your job specifies a form of output used with RECOVER PLUS and another form of output used with DSN1COPY. The product can use only one recovery technique during a single automated drop recovery action. Processing terminates.

User response: Edit the SYSIN syntax of your job (or redefine the work ID with the online interface) to specify forms of output for only one recovery technique, and submit the job again.

DATA SET dataSetName WAS SUCCESSFULLY ALLOCATED TO DDNAME ddname ELAPSED = hh:mm:ss

Explanation: The data set named was dynamically allocated to the specified ddname.

User response: No action is required.

DDNAME ddname (DSN dataSetName) WAS SUCCESSFULLY UNALLOCATED

Explanation: An allocated data set was released.

User response: No action is required.

COMMON QUIESCE RBA DETERMINED FOR REDO FROM LASTQUIESCE IS X’rbaValue’

Explanation: The product displays this informational message as it generates REDO SQL. The SYSIN syntax of your job directed the product to find the most recent quiesce point common to the table spaces defined (directly or indirectly) by your filter and to use that point as the REDO recovery point (also called the point of recovery). This message displays the RBA value of the REDO recovery point.

User response: No action is required.

A COMMON FROM LASTQUIESCE RBA CAN NOT BE DETERMINED FOR THE TABLESPACES SPECIFIED IN THE WHERE/FILTER CLAUSES

Explanation: The SYSIN syntax of your job requests an SQL REDO FROM LAST QUIESCE. However the product cannot determine a common LAST
QUIESCE point for the table spaces specified in the WHERE clauses or filters of this log scan.

*User response:* Determine if the message is accurate by using a query against the SYSIBM.SYSCOPY table for the table spaces involved. If the message is correct, limit the table spaces in the WHERE clauses or filters. If you feel that the message is erroneous, contact BMC Customer Support.

**BMC097346**
**READING RANGE COMPUTED FOR LOG FILE** *dataSetName*, RBA'S 'X'*startRbaValue* -> X'*endRbaValue'

*Explanation:* The product issues this message only when the message level for the job run is set to a value of 2 or greater. It is used as an internal diagnostic.

*User response:* No action is required.

**BMC097347**
**DB2 SUBSYSTEM GROUP/HIGH WATER MARK REACQUIRED, OLD = X'*oldRbaValue' NEW = X'*newRbaValue'

*Explanation:* The product issues this message only when the message level for the job run is set to a value of 2 or greater. It is used as an internal diagnostic.

*User response:* No action is required.

**BMC097348**
**LOG SCAN RANGE: SCANNED X'*scanFromRbaValue' -> X'*scanToRbaValue' SELECTED X'*selectFromRbaValue' -> X'*selectToRbaValue'

*Explanation:* The product issues this message only when the message level for the job run is set to a value of 2 or greater. It is used as an internal diagnostic.

*User response:* No action is required.

**BMC097349**
**EXECUTION SERVICES BEGINNING, LOG SCAN RANGES TO BE PROCESSED FOLLOW:**

*Explanation:* The product issues this message only when the message level for the job run is set to a value of 2 or greater. It is used as an internal diagnostic.

*User response:* No action is required.

**BMC097350**
**READY TO SELECT LOG FILES, LOG SCAN RANGES TO BE PLANNED ARE:**

*Explanation:* The product issues this message only when the message level for the job run is set to a value of 2 or greater. It is used as an internal diagnostic.

*User response:* No action is required.

**BMC097351**
**OBJECT INSERTION INTO REPOS TABLE** *tableName*, CONTENTS FOLLOW:

*Explanation:* The product issues this message only when the message level for the job run is set to a value of 2 or greater. It is used as an internal diagnostic.

*User response:* No action is required.
BMC097352  errorMessageText
Explanation: The text of the message provides diagnostic information indicating the reason for the I/O error identified in a preceding message.
User response: Contact BMC Customer Support.

BMC097353  AT LINE lineNumber IN fileType
Explanation: This message is paired with an SQL processor or old objects parsing message to give additional information about where the problem is.
User response: Follow the directions described in the “User response” paragraph for the paired message.

BMC097354  LOG RECORD(S) CANNOT BE COMPLETED FOR THE FOLLOWING SPACE DUE TO PAGES NOT REWRITTEN TO SPACE
Explanation: One or more log records for the table spaces listed in message BMC097195 could not be completed because the table space pages have not yet been rewritten to disk by the DB2 subsystem.
User response: No action should be required. For ongoing migrations, the transactions containing the log records will be reprocessed.

BMC097355  THE FOLLOWING UNIT(S) OF RECOVERY IS INCOMPLETE:
Explanation: Log records in the units of recovery listed in messages BMC097356 or BMC097385 contain one or more incomplete log records that the product has not written.
User response: Contact BMC Customer Support.

BMC097356  SCAN #: logScanStmt, URID: X’unitOfRecoveryID’, TIMESTAMP: time, CORRELATION ID: correlationID
Explanation: The product issues this message to provide more details about the units of recovery listed in the preceding message BMC097355.
User response: No action is required.

BMC097357  LOG SCAN STATISTICS:
Explanation: This informational message displays statistics for the log scan.
User response: No action is required.

BMC097358  URID RECORDS CHECKED: nnnnnn
Explanation: This informational message displays the total number of units of recovery examined by the log scan.
User response: No action is required.
BMC097359 **URID RECORDS OF INTEREST : nnnnnn**  
*Explanation:* This informational message displays the total number of units of recovery that had an impact on the log scan.  
*User response:* No action is required.

BMC097360 **DATA MANAGEMENT RECORDS CHECKED : nnnnnn**  
*Explanation:* This informational message displays the total number of log records examined by the log scan.  
*User response:* No action is required.

BMC097361 **DATA MANAGEMENT RECORDS OF INTEREST: nnnnnn**  
*Explanation:* This informational message displays the total number of log records that had an impact on the log scan. This number will include records used for completion and backout integrity processing as well as records written into the logical log output files.  
*User response:* No action is required.

BMC097362 **TABLESPACE TOTAL I/O TIME: totalTimeValue**  
*Explanation:* This informational message displays the amount of time spent obtaining table space pages.  
*User response:* No action is required.

BMC097363 **LOG SCAN STATEMENT # logScanNum: LOGICAL LOG RECORDS CREATED: nnnnnn**  
*Explanation:* For the indicated LOGSCAN statement, the total number of logical log records created is given.  
*User response:* No action is required.

BMC097364 **LOGICAL LOG BYTES CREATED: nnnnnn**  
*Explanation:* For the log scan indicated in message BMC097363, the total byte count for the logical log records created is given.  
*User response:* No action is required.

BMC097365 **VERSION MISMATCH - APPLICATION IS VERSION callingVersion, API IS VERSION apiVersion**  
*Explanation:* The product is attempting to call another component, product or solution such as the Solution Common Code for DB2 (SCC) component. The current version of Log Master is not compatible with the version of the other software that is currently available. Processing terminates.  
*User response:* Contact BMC Customer Support.
BMC097366  \textit{n}nnnnn RECORDS PROCESSED FOR \textit{reportType} REPORT

\textit{Explanation:} This message indicates the number of records processed by the named report.

\textit{User response:} No action is required.

BMC097367  \textit{FILE ATTRIBUTES BEING FORCED TO LRECL nnn, BLKSIZE nnn, AND RECFM xx}

\textit{Explanation:} The product issues this warning message when an output data set with disposition OLD or SHR was specified, but the attributes of the existing file were incorrect and will be modified by the product. Processing continues. If the existing file specified is a PDS or had a disposition of MOD, the file attributes will not be modified and an error message generated. Some situations when the product issues this error message include

- Load control files do not have an LRECL value of 80 and a RECFM value of FB.
- Printed report output files do not have an LRECL value of at least 81 and a RECFM value of FBA.
- Output load data files do not have a RECFM of VB or VBS, or logical log data files do not have a RECFM value of VB.

\textit{User response:} No action is required. To prevent this message in the future, ensure existing files have correct attributes before submitting a job.

BMC097368  \textit{GDG BASE SPECIFIED FOR DSN (\textit{dataSetName}), BUT NO RELATIVE GENERATION WAS INCLUDED}

\textit{Explanation:} You specified a data set name which was a GDG base, but you did not include the relative generation of the GDG to use.

\textit{User response:} Correct SYSIN and submit the job again.

BMC097369  \textit{utilityName UTILITY ENDED WITH RETURN CODE returnCode}

\textit{Explanation:} The named utility completed with the unexpected return code displayed in the message.

\textit{User response:} Look for any related informational messages produced by the utility. If the messages do not help in resolving why the return code was issued, contact BMC Customer Support.

BMC097370  \textit{A CHECKPOINT QUEUE ENTRY PRIOR TO SCAN START DOES NOT EXIST IN THE BSDS}

\textit{Explanation:} The product has failed to find a CHECKPOINT QUEUE entry in the BSDS that is before the point in time specified as the start point. The product continues processing, searching for a CHECKPOINT QUEUE entry in the applicable logs.

\textit{User response:} No action is required.
BMC097371  HARDWARE COMPRESSION IS BEING EMULATED

Explanation: Hardware compression is not available on the CPU.
User response: No action is required.

BMC097372  COMPRESSION SYSTEM function FAILED - RC= returnCode, RS= reasonCode

Explanation: An error occurred performing the named function related to compression services.
User response: Contact BMC Customer Support.

BMC097373  QUIET POINT PROCESSING INSERTED A QUIESCE SYSCOPY ROW FOR databaseName.tableSpaceName DSNUM partitionNumber AT RBA X'\rbaValue'

Explanation: The product displays this informational message when it has updated the SYSIBM.SYSCOPY table in the DB2 catalog as specified in the message as part of Quiet Point report processing.
User response: No action is required.

BMC097374  UNABLE TO DECOMPRESS ROW, LOG RBA X'\rbaValue', DBID dbid, PSID psid, RID X'\rowIDValue', RC= returnCode

Explanation: For reasons enumerated in a preceding message, the product was unable to successfully decompress a compressed log record.
User response: See preceding message to determine a course of action.

BMC097375  UNEXPECTED TABLESPACE ACCESS STATE state, ACCESSING SPACE tableSpaceName, DSNUM dataSetNumber, PAGE X'\rowIDValue'

Explanation: When trying to obtain the current value of a row, an unexpected condition occurred accessing the table space.
User response: Contact BMC Customer Support.

BMC097376  ONE OR MORE LOG RECORDS FOR UNIT OF RECOVERY X'\rbaValue' WERE NOT WRITTEN DUE TO LOGICAL LOG RECFM BEING VB

Explanation: You requested (or the product defaulted to) logical log record format of VB; however, a DB2 log record was encountered that would cause the creation of a logical log larger than the LRECL for the VB file. This error condition should only be encountered on 32K table spaces.
User response: Update the job to create VBS output and submit the job again.

BMC097377  AN OBJECT TYPE OTHER THAN TABLESPACE WAS SPECIFIED FOR A DSN1COPY DROP RECOVERY

Explanation: The product displays this message when it is processing an automated drop recovery action. The SYSIN syntax of your job specifies the recovery of one or more individual tables and defines output for use by the
DSN1COPY utility. The product supports only the recovery of a single table space with this utility. Processing terminates.

User response: Edit the SYSIN syntax of your job (or redefine the work ID with the online interface) to specify a table space for recovery and submit the job again.

BMC097378

LOGICAL LOG RECORDS NOT WRITTEN: nnnnnnn

Explanation: This informational message displays the number of logical log records that the product did not write because the LRECL value was too large for a VB file. Associated error messages have also been produced.

User response: Update the job to create VBS output and submit the job again.

BMC097379

FILE ATTRIBUTES WERE: RECFM (xx), LRECL (nnn), AND BLKSIZE (nnn)

Explanation: This message displays the data set attributes of an existing file. The attributes of this file do not match the expected attributes and could not be modified (because the file is a PDS or for other reasons).

User response: Update the file to have the correct attributes and submit the job again.

BMC097380

ATTRIBUTES SHOULD BE: RECFM (xx), LRECL (nnn)

Explanation: This message displays the necessary file attributes for an existing file that the product is attempting to use.

User response: Update the file to have the correct attributes and submit the job again.

BMC097381

NO USERID SPECIFIED FOR THE PREDICATE objectName, DEFAULTING TO JOB USERID userID

Explanation: This message indicates that a user ID was missing from a table name or column name predicate and that the product is defaulting to the job's user ID.

User response: No action is required. To suppress this message in future runs, update the SYSIN syntax to include the user ID and submit the job again.

BMC097382

NO DBNAME SPECIFIED FOR THE PREDICATE objectName, DEFAULTING TO DBNAME DSNDB04

Explanation: This message displays the database name was missing from a table space name predicate and is defaulting to the DB2 default DBNAME.

User response: No action is required. To suppress this message in future runs, update the SYSIN syntax to include the database name and submit the job again.
BMC097383  
**KEYSTOR CLUSTER NAME =** `dataSetName`, **OPER =** `function`, **LOG RBA =** `X'xbaValue'`, **KS ADDR =** `X'addressValue'  
*Explanation:* This message is a diagnostic message, which is preceded by BMC097145.  
*User response:* Contact BMC Customer Support.

BMC097384  
**LOG RECORD(S) FOR TABLE** `tableName` **CANNOT BE COMPLETED DUE TO A MASS DELETE AT LOG RBA X'xbaValue'  
*Explanation:* The deletion of all rows from a table in a segmented or universal table space (a mass delete action) caused one or more records for the named table to be incomplete.  
*User response:* Assess the importance of the incomplete records.

BMC097385  
**URID X'unitOfRecoveryID', TIMESTAMP:** `dateValue/timeValue`, **CORRELATION ID:** `correlationID`  
*Explanation:* This is a follow-on message to error messages BMC097384 or BMC097355.  
*User response:* No action is required.

BMC097386  
**UNABLE TO DECOMPRESS ROWS FOR** `databaseName. tableSpaceName DSNUM partitionNumber`, **NO FULL COPY FOUND IN SYSCOPY**  
*Explanation:* The product cannot find an image copy in SYSIBM.SYSCOPY that contains the RBA/LRSN value displayed in a following BMC097374 message. The product can also issue this message when an image copy is available in SYSIBM.SYSCOPY, but the value of either the IMAGESOURCE keyword of the OPTION statement or the IMAGESRC installation option is set to TABLESPACE.  
*User response:* Contact BMC Customer Support.

BMC097387  
**nnnnnn SQL STATEMENTS PROCESSED, PROCESSING CONTINUES**  
*Explanation:* The product displays this progress message every 5000 statements.  
*User response:* No action is required.

BMC097388  
**WAITING ON VOLUME TO BECOME AVAILABLE FOR DB2 LOG FILE** `dataSetName`  
*Explanation:* The DB2 log file named in the message text is required for processing, but the volume on which it resides is currently unavailable because it is allocated to another task. The product has entered a wait state until the volume becomes available.  
*User response:* No action is required.
BMC097389 TOTAL WAIT TIME: $nnn$ HOURS, $nnn$ MINUTES, $nnn$ SECONDS

Explanation: A volume that the product was waiting for has become available for processing, or the operator has cancelled the mount request. The message displays the total amount of time the product waited for the volume named in message BMC097388 to become available.

User response: No action is required.

Messages BMC097400 through BMC097499

This group includes messages for the Log Master for DB2 product.

BMC097408 UNABLE TO COMPLETE ONE OR MORE LOG RECORDS FOR TABLESPACE $tableSpaceName$, DSNUM $partitionNumber$ DUE TO PRECEDING MESSAGE

Explanation: This message indicates the name of a table space for which records cannot be completed.

User response: See the preceding message for problem determination.

BMC097409 ONLY ONE TABLESPACE OBJECT ALLOWED FOR A DSN1COPY DROP RECOVERY

Explanation: The product displays this message when it is processing an automated drop recovery action. The SYSIN syntax of your job specifies more than one table space for recovery and defines output for use by the DSN1COPY utility. The product supports the recovery of only one table space at a time with this utility. Processing terminates.

User response: Edit the SYSIN syntax of your job (or redefine the work ID with the online interface) to specify only one table space for recovery and submit the job again.

BMC097410 LOGSCAN FROM RBA BEING SET TO X' $rbaValue$' FROM THE END POINT $handleID$ RUNSEQ $runSeqNumber$

Explanation: The product displays this informational message when it is running a work ID defined as an ongoing process. The product has adjusted the FROM RBA/LRSN of the work ID from what you specified to what the product found in the product's Repository as the end point for the preceding/specified run.

User response: No action is required.

BMC097411 TABLE $owner$. $tableName$ CONTAINS UNTRANSLATABLE $objectType$ NAME [columnName,] UNICODE STRING IN HEX: $hexValue$ [COLUMN NO. $nnn$]

Explanation: The product displays this warning message when it has encountered Unicode characters in the name of a DB2 object, but cannot
translate at least one of the characters to EBCDIC. The original Unicode characters are displayed in hexadecimal format as hexValue. If objectType is a column, the product includes the column name and appends the column number at the end of the message. Processing continues.

User response:  Adjust your response to the type of output generated by your job. For example, in reports or logical log files, you may be able to tolerate untranslatable Unicode characters.

For SQL or DDL statements, you can translate the object name before executing the generated output file. (Use the [ObjectMap] parameters of the High-speed Apply Engine to translate the name during execution, or rerun your job using SQLXLAT syntax to translate the name during generation.) Alternately, generate logical log output instead of the SQL or DDL statements, then use High-speed Apply to update the target database.

BMC097412  **LOAD DATA RECORD SIZE (recLength01) COMPUTED TO BE LARGER THAN MAXIMUM ALLOWED FOR THIS VB FILE (recLength02)**

*Explanation:*  Load output was requested, and the RECFM had either defaulted to VB or was specified as VB in the load file definition. A record was encountered that requires the output to be VBS. Processing continues, but the reported records are not written to the output file.

*User response:*  You can take one of the following actions:

- Specify RECFM VBS in the load file definition to force VBS output for the load file.

- Change the UPDATES BOTH clause of the load file definition to SEPARATE to reduce the output length of the load file.

To include all records, submit the job again.

BMC097413  **TABLE NAME FOR OUTPUT LOAD DATASET TRANSLATED FROM tableName TO translatedTableName DUE TO UNUSABLE CHARACTERS FOR DATASET NAME**

*Explanation:*  SEPARATE DATASETS YES was specified in the load file definition. A table was encountered that had characters that are unusable in a data set name. These characters were translated as shown for output data set name usage.

*User response:*  No action is required.

BMC097414  **UNABLE TO DECOMPRESS THE FOLLOWING LOG RECORD:**

*Explanation:*  This message precedes BMC97204 indicating a log record that could not be decompressed. The reason for the decompression failure will be documented in a preceding message. This is a message level 2 message only.

*User response:*  See the preceding message to obtain the reason for the failure.
BMC097415  THE FOLLOWING UNIT OF RECOVERY IS INCOMPLETE DUE TO DECOMPRESSION FAILURE

Explanation: This message precedes message BMC097385 indicating that one or more log records for the unit of recovery could not be decompressed. The reason for the decompression failure will be documented in a preceding message.

User response: See the preceding message to obtain the reason for the failure.

BMC097416  UNABLE TO PROCESS SYSOBD INFORMATION FOR DBID.PSID dbid.psid, NO FULL COPY FOUND IN SYSCOPY

Explanation: The product displays this error message when it encounters a log record that reflects a version of a DB2 object that is different than the version of that object that is stored in the current table space. The product cannot find information about the previous version in the table space, the available image copies, or the DB2 log that it has scanned. It is possible someone has used a DB2 Modify utility to remove information about required image copies from the SYSIBM.SYSCOPY table in the DB2 catalog. Standard practices of recoverable DB2 operation normally prevent this error condition. Processing terminates.

User response: Depending on your requirements, you might be able to remove the DB2 object from your filter and submit the job again. If necessary, contact BMC Customer Support.

BMC097417  DSN (dataSetName) IS A PDS, HOWEVER NO MEMBER NAME WAS PROVIDED. DEFAULTING TO MEMBER NAME (TEMP)

Explanation: You have specified a partitioned data set as an output data set name, but did not supply a member name. The product continues processing and uses a default member name of TEMP.

User response: Correct your SYSIN syntax to include the member name for future runs of this job. If multiple outputs were directed to the same PDS with no member names specified, the product might overwrite data.

BMC097418  CLAUSE predicateText NOT LIKE value DID NOT MATCH ANY SPECIFIC ENTRY

Explanation: A NOT LIKE predicate was specified for a DB2 object that had no matches on the DB2 catalog. This warning message is produced and processing continues. If this was the only predicate specified, all DB2 Log records will be selected.

User response: Correct the job for future runs to suppress this message and ensure correct log filtering.

BMC097419  UNABLE TO TRANSLATE ROWS FOR TABLE DBID.OBID dbid. obid

Explanation: The product displays this warning message when it is running with an execution mode of overtime and it encounters a log record that reflects a version of a DB2 object that is different than the current version of that object. The table space that contains this object does not currently exist in the database.
descriptor (DBD) of the applicable database. The product ignores all log records related to this version of the DB2 object and continues processing.

**User response:** No action is required. Examine your output to determine if you require the log records from the version of the object that the product has ignored.

**BMC097420**

**UNABLE TO REPLAN LOG ACCESS SINCE OPEN LOG FILE BSDS DEFINITION HAS CHANGED, DSNAME dataSetName, DDNAME ddname**

*Explanation:* The definition of a log file in the BSDS has changed after the product had allocated the log file.

*User response:* Contact BMC Customer Support.

**BMC097421**

**UNAVAILABLE LOG RANGE(S) DISCOVERED**

*Explanation:* The product was unable to locate log files that contained data for the range or ranges listed following this message. Processing terminates.

*User response:* Use the DSNJU004 utility to determine if log ranges in the BSDS are missing. If ranges are missing and the proper log data sets can be located, use the Change Log Inventory program, DSNJU003, to update the BSDS.

**BMC097422**

**INCLUDE/EXCLUDE STATUS OF COLUMN IS NOT THE SAME IN EACH INPUT FILE**

*Explanation:* The product displays this error message as it processes more than one logical log input file. At least one of the input files defines a set of columns to be included in (or excluded from) a table, but at least one column in that table is included or excluded differently in one of the other input files. The product cannot determine the correct status of the column. Processing terminates.

*User response:* Depending on your requirements, you can process the individual logical log input files separately, or regenerate the logical log input files so that they have matching column include/exclude lists. For assistance in determining the best action to take, contact BMC Customer Support.

**BMC097423**

**THE LENGTH FOR DECFLOAT COLUMNS MUST BE 16 OR 34**

*Explanation:* The old objects data set defines a table that contains a column with the data type of DECFLOAT. The length attribute of this column does not match either of the DECFLOAT lengths required by DB2.

*User response:* Correct the error and submit the job again.

**BMC097424**

**ACCESS METHOD SERVICES ENCOUNTERED ERROR errorType**

*Explanation:* The product is preparing to perform an operation on a data set (allocation, deletion, and so forth), but the operation is one that either the product or IDCAMS does not support. The content of errorType describes the error condition that the product encountered. Processing terminates.

*User response:* Use the content of this message and other operating system messages to determine the cause of the error and resolve it. If you cannot
resolve the error condition or if there appears to be no valid reason for the error, contact BMC Customer Support.

**BMC097425**  
**LOG RECORD CANNOT BE TRANSLATED TO CURRENT VERSION BECAUSE DBD INFORMATION WAS NOT AVAILABLE**

*Explanation:* The product displays this error message when it is running with an execution mode of overtime and it encounters a log record that reflects a version of a DB2 object that is different than the current version of that object. The table space that contains this object does not currently exist in the database descriptor (DBD) for the applicable database. Processing terminates.

*User response:* Contact BMC Customer Support.

**BMC097426**  
**UNTRANSLATABLE CHARACTERS FOUND IN DDL/DRPRECOVERY OUTPUT**

*Explanation:* The product displays this warning when it encounters Unicode characters in a generated data definition language (DDL) statement, but cannot translate at least one of the characters to EBCDIC. The product includes a substitute character (for example, x’3F’) in the DDL statement and continues processing. The product displays this message once for each DDL output file, but includes ANSI-standard comments in the output file for all statements with untranslatable characters (either before or after the affected statement).

*User response:* If the untranslatable characters occur in column data, edit the output DDL file before executing it. Use hexadecimal representation of UTF-8 values to specify the complete column value. If the untranslatable character occurs in a DB2 object name, you will encounter errors when you execute the DDL file. Contact BMC Customer Support.

**BMC097427**  
**NO INDEX AVAILABLE FOR: tableName**

*Explanation:* The SYSIN syntax of your job specifies that a report is sorted by primary key value. The product is attempting to sort the report, but at least one of the tables in the report does not have any indexes defined. Processing continues, but the data for the displayed table is not sorted in the order you requested.

*User response:* Either define an index for the displayed table or edit the SYSIN syntax (or redefine the work ID with the online interface) to change the order by fields for the report. Submit the job again.

**BMC097428**  
**IN SQLXLAT INPUT LINE nnnnnn: EXPECTING xlatText01 FOUND xlatText02**

*Explanation:* The product has encountered a parsing error in SQLXLAT input.

*User response:* Verify the syntax and submit the job again.

**BMC097429**  
**PAGE FORMAT LOG RECORDS DID NOT MATCH EXPECTATIONS DBID dbid PSID psid PAGE x’pageNumber’ RBA rbaValue REASON= reasonCode**

*Explanation:* The product displays this informational message as it processes log records that result from one or more load actions, such as a LOAD RESUME YES LOG YES action. The DB2 log contains consecutive page format
log records. As part of normal processing, the product compares row information from these two log records (to search for and suppress duplicate rows that might occur). During this comparison, the product expects certain rows on the two pages to be identical, but instead has detected differences. Processing continues.

User response: Examine the output generated by this log scan to ensure that it meets your needs. If the output is SQL statements, the output might contain extra INSERT statements. For more information and possible responses, see the product’s technical documentation.

BMC097430  IMAGE COPY RECORDED IN SYSCOPY IS NOT CATALOGED, SEARCHING FOR Fallback IMAGE COPY

Explanation: The product displays this informational message during row completion processing. An image copy that is recorded in the SYSIBM.SYSCOPY table of the DB2 catalog does not exist in the operating system’s ICF catalog. A separate BMC097089 message displays the name of the image copy data set. The product attempts to locate and use a local backup (LB), remote primary (RP), or remote backup (RB) version of the image copy. Processing continues.

If the product cannot locate a version of this image copy, it displays message BMC097798 and continues row completion processing by using other options (for example, the current table space, the DB2 log, or other image copies).

User response: No action is required.

BMC097431  IN SQLXLAT INPUT LINE nnn: TABLE LINE MUST PRECEDE COLUMN LINE

Explanation: COLUMN lines in SQLXLAT input are related to the previous TABLE line. If no TABLE line appears before the first COLUMN line, the product displays this message.

User response: Add the correct TABLE line and submit the job again.

BMC097432  IN SQLXLAT INPUT LINE nnn: LINE MUST START WITH { TABLE, COLUMN, TABLESPACE, OR INDEX }

Explanation: All lines in SQLXLAT input must start with TABLE or COLUMN.

User response: Correct and submit the job again.

BMC097433  ALTERNATE LOG FILE FOUND, PROCESSING WILL CONTINUE WITH ARCHIVE LOG DATASET dataSetName

Explanation: The product was unable to allocate the primary log file for a log range, but an alternate source of the log was found. The log range is listed in preceding messages.

User response: No action is required.
BMC097434  UNABLE TO REPLACE LOG IN ERROR, PROCESSING WILL “TERMINATE”

Explanation: The product was unable to find a replacement source for a DB2 log file. The failure to obtain the primary log source will be documented in preceeding messages.

User response: See the preceding messages to determine the reason for the failure.

BMC097435  TRANSLATION INPUT: inputText

Explanation: This message displays the content of the SQLXLAT input file.

User response: No action is required.

BMC097436  REPOS UPDATE PROCESSING IS NOT ALLOWED WITH LOGICAL LOG INPUT

Explanation: The SYSIN syntax of your job directs the product to update the Old Objects table of the Repository, but you have also directed the product to read input from one or more logical log files. The product cannot obtain all necessary object information or compression dictionary information from logical log input files. Processing terminates.

User response: To update the Repository, edit the SYSIN syntax (or redefine the work ID with the online interface) to use a different input source. Submit the job again.

BMC097437  LOG SCAN STATEMENT # nn FOUND NO MATCHING LOG RECORDS FOR RANGE AND SELECTION CRITERIA

Explanation: The product performed the log scan using the specified WHERE clause or filter for the time frame requested. No log records matched the selection criteria, so no output was created. This warning message is produced to alert you.

User response: Verify the filter and the time frame to ensure validity of this message. If output was expected, contact BMC Customer Support for assistance in determining why no output was produced.

BMC097438  UNABLE TO ACCESS TABLESPACE tableSpaceName DSNUM partitionNumber.

Explanation: The product was unable to obtain row information from the listed table space due to conditions listed in a preceeding message.

User response: See the preceding message.

BMC097439  text RC returnCode - VERIFY AVAILABILITY OF DB2

Explanation: An unexpected return code was received from the internal utility named in text. The problem occurred while retrieving information about DB2.

User response: If DB2 is not active, submit the job again after DB2 has restarted. If DB2 is active, contact BMC Customer Support.
BMC097440  *reportType* REPORT NOT POSSIBLE USING *inputType* INPUT - REPORT WILL BE BYPASSED

*Explanation:* The product cannot generate the displayed type of report with either logical log input or specific DB2 log files (not in the BSDS) input. For example, the product cannot generate

- Quiet Point reports with either logical log or specific DB2 log file input
- Object Activity Summary reports with logical log input

*User response:* Correct the input and submit the job again.

BMC097441 UNABLE TO INSERT A DUPLICATE QUIESCE SYSCOPY ROW FOR *databaseName*.tableSpaceName AT RBA X ‘rbaValue’ DURING QUIET POINT PROCESSING

*Explanation:* A request was made for QUIESCE rows to be inserted into SYSIBM.COPY. However, a SYSCOPY QUIESCE entry already exists for the given *databaseName*.tableSpaceName at the reported RBA/LRSN. A duplicate entry will not be inserted.

*User response:* No action is required.

BMC097442 MISSING LOG RANGE DUE TO A COLD START AT X ‘rbaValue’:

*Explanation:* A log range required by the product appears to be missing, but the start of the range corresponds to a cold start of the DB2 system.

*User response:* No action is required.

BMC097443 AN ERROR OCCURRED WHILE WRITING A RECORD TO THE LOAD DATA/CONTROL FILE. THE RECORD WILL NOT BE WRITTEN

*Explanation:* An error occurred when writing a record to either the load DATA or the control file.

*User response:* See the preceding message.

BMC097444 SYSIN PROCESSING DOES NOT REQUIRE CONNECTION TO DB2 SUBSYSTEM/GROUP ssid

*Explanation:* The product will not be required to connect to the DB2 shown to complete the tasks specified in the SYSIN input.

*User response:* No action is required.

BMC097445 SORT POSSIBLY TERMINATED WITH UNUSED OUTPUT RECORDS. nnnnnn OF nnnnnn RECORDS PROCESSED

*Explanation:* A sort routine ended unexpectedly. The product could not retrieve all of the records to be sorted from the sort routine.

*User response:* If no preceding error messages were received, contact BMC Customer Support.
**BMC097446**  
**SPECIFIED TO/FROM RANGE EXCEEDS THE RANGE OF THE USER SPECIFIED INPUT LOGICAL LOG/DB2 LOG.**
*Explanation:* The TO/FROM RANGE specified by you exceeds the range contained within the specified input logical log or DB2 Log.
*User response:* No action is required. This message is to alert you to the situation. If necessary, correct the TO/FROM range or the INPUT statement and submit the job again.

**BMC097447**  
**SPECIFIED TO/FROM RANGE IS NOT WITHIN THE RANGE OF THE USER SPECIFIED INPUT LOGICAL LOG/DB2 LOG.**
*Explanation:* The TO/FROM RANGE that you specified is not contained within the specified Input logical log or DB2 Log.
*User response:* Correct the specified TO/FROM range or input data sets, and submit the job again.

**BMC097448**  
**THIS LOGSCAN EXECUTION HAD INPUT LOGICAL LOG/DB2 LOG SPECIFIED.**
*Explanation:* This message is printed in conjunction with a preceding BMC097446 or BMC097447 message and followed by BMC097176 and BMC097177 messages to report RBA/LRSN or date ranges of the specified input data sets.
*User response:* Follow the actions recommended in the associated BMC097446 or BMC097447 message.

**BMC097449**  
**INVALID DATA ENCOUNTERED IN COLUMN 'columnName', COL NO. nnn OF TABLE owner.tableName.**
*Explanation:* Data was found in the named column of the named table that did not conform to the definition of that column. Additional messages reporting the LOG RBA/LRSN and describing the problem will be printed. The product ignores this record and processing continues.
*User response:* Determine why the record encountered this error. One possible cause could be incorrect definition of an old object which is not currently defined in the DB2 catalog. If possible, correct the job and submit it again. Contact BMC Customer Support.

**BMC097450**  
**EXPECTED NUMERIC DB2 INTERNAL DATE/TIME/TIMESTAMP DATA, FOUND (X'string01')**
*Explanation:* The product is verifying a DATE, TIME, or TIMESTAMP column. The product has encountered data that is not numeric which the product cannot convert from DB2 internal format to one of the external formats available. The column name is reported in BMC097449.
*User response:* Determine why the product encountered this error. One possible cause could be incorrect definition of an old object which is not currently defined in the DB2 catalog. If possible, correct the job and submit it again. Contact BMC Customer Support.
**BMC097451**  EXPECTED MAXIMUM VARIABLE LENGTH OF \((\text{maxLength})\), FOUND \((\text{decimalLength})/X \text{ `hexLength'}\)

*Explanation:* The product is verifying a variable length column. The product has encountered a length in a log record greater than the maximum length for the column reported in BMC097449.

*User response:* Determine why the record encountered this error. One possible cause could be incorrect definition of an old object which is not currently defined in the DB2 catalog. If possible, correct the job and submit it again. Contact BMC Customer Support.

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**BMC097452**  ONGOING HANDLE handleID WAS NOT FOUND - ASSUMING INITIAL RUN

*Explanation:* You requested ongoing processing, but the product did not find the handle that is used to associate the ongoing records in the product's Repository. The product assumes that this is the initial run of the ongoing process.

*User response:* No action is required.

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**BMC097453**  ERROR EXTRACTING OPEN TRANSACTION DATA FOR WORKID userID.workIDName.handleID.run REASON CODE = reasonCode

*Explanation:* An error occurred while extracting the open transaction data for the ongoing transaction specified by the work ID, handle, and the run shown.

*User response:* Contact BMC Customer Support.

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**BMC097454**  FIRST RBA X'\text{rbaValue}’ PROCESSED ON LOGFILE dataSetName IS LESS THAN LAST PROCESSED RBA - CHECK FILE ORDER

*Explanation:* When you specify specific DB2 logs, the logs must be specified in descending RBA/LRSN order. The product has encountered an RBA/LRSN in the first log record of a new log file that precedes the last RBA/LRSN from the previous file.

*User response:* Verify the order of the logs specified in the SYSIN to ensure that the logs are in descending RBA/LRSN order, that is, newest to oldest.

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**BMC097455**  OPTION DB2CATALOG YES WAS SPECIFIED, BUT NEVER IS SPECIFIED IN THE ALPS$OPTS MODULE

*Explanation:* You specified that DB2 catalogs were to be processed in the log scan, however, the installation options specify that the DB2 catalog records are to never be processed.

*User response:* Remove the DB2CATALOG YES specification or run with a different installation options module that will allow processing of the DB2 catalog records.

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**BMC097456**  requestedOutputTypes NOT ALLOWED WITH OTHER OUTPUTS ON THE SAME LOGSCAN STATEMENT

*Explanation:* You requested multiple forms of output on a single LOGSCAN statement, but the product cannot produce all of your requested output in the
current log scan. For internal reasons, any log scan that generates data
definition language (DDL) output, a Catalog Activity report, a DB2 Command
report, a Log Bytes report, or updates the Repository cannot produce other
forms of output.

User response: If you need to produce the additional forms of output in the
same job or job step, add an additional log scan step and submit the job again.

**BMC097457**

**LOG FILE dataSetName SUCCESSFULLY ALLOCATED**

*Explanation:* The log file shown has been allocated for use by the product.

*User response:* No action is required.

**BMC097458**

**LOG FILE dataSetName SUCCESSFULLY OPENED**

*Explanation:* The log file shown has been opened for use by the product.

*User response:* No action is required.

**BMC097459**

**LOG FILE dataSetName SUCCESSFULLY CLOSED**

*Explanation:* The log file shown has been closed by the product.

*User response:* No action is required.

**BMC097460**

**LOG FILE dataSetName SUCCESSFULLY DEALLOCATED**

*Explanation:* The log file shown has been deallocated by the product.

*User response:* No action is required.

**BMC097461**

**PROCESSING IS INCOMPLETE - nnnn records NOT REPORTED**

*Explanation:* At the completion of processing, the product still had nnnn records awaiting output processing.

*User response:* The usual cause of unprocessed records is problems in
completion processing. Search for preceding messages that could explain why
records could not be processed. If no explanation can be found, contact BMC
Customer Support.

**BMC097462**

**OLD OBJECTS ENTRY IN ERROR WAS FOR DBID.dbid. psid dbid. psid
COMPRESSION DICTIONARY WITH BEGINRBA X’rbaValue’**

*Explanation:* The product normally displays this message after a BMC097465
message. This message displays information about the compression dictionary
that the product was accessing when the error occurred.

*User response:* No action is required.

**BMC097463**

**LOGOPTS STATEMENT IGNORED, DB2 CONNECTION NOT REQUIRED**

*Explanation:* For logical log input, no DB2 connection is required. Because the
product does not read the DB2 logs, the LOGOPTS statement is ignored.

*User response:* No action is required.
BMC097464 LOGOPTS STATEMENT IGNORED FOR NON-DATA SHARING SUBSYSTEM

Explanation: The LOGOPTS statement applies only in a data sharing environment. The statement is ignored.

User response: No action is required.

BMC097465 AN ERROR OCCURRED WHILE ATTEMPTING TO FETCH/INSERT/DELETE AN ENTRY FROM THE OLD OBJECTS REPOSITORY TABLE

Explanation: An internal error in processing occurred while trying to fetch, insert, or delete an entry from the Old Objects Table in the Repository.

User response: Succeeding messages (including BMC097466 and BMC097462) provide details about the entry being processed. Contact BMC Customer Support.

BMC097466 OLD OBJECTS ENTRY IN ERROR WAS FOR DBID.OBID dbid.obid, TBNAME owner.tableName, WITH CREATERBA X'rbaValue'

Explanation: This message provides details about the row in error for the preceding BMC097465 message.

User response: Contact BMC Customer Support.

BMC097467 CONSOLIDATED LOG SCAN RANGE

Explanation: The range that follows indicates the overall scan range for all log scan steps in the work ID.

User response: No action is required.

BMC097468 COMPLETION PROCESSING STARTED

Explanation: The process of analyzing and gathering row images for incomplete records has started.

User response: No action is required.

BMC097469 PROCESSING LOG SCAN EXTENSION FOR COMPLETION

Explanation: The completion process requires scanning of additional log to complete record images. Succeeding messages will indicate the extension range.

User response: No action is required.

BMC097470 PROCESSING LOG RESCAN FOR COMPLETION

Explanation: The completion process requires rescanning of previously read log to complete record images. Succeeding messages will indicate the rescan range.

User response: No action is required.
**BMC097471**  
**COMPLETION PROCESSING ENDED**  
*Explanation:* The process of analyzing and gathering row images for incomplete records has ended.  
*User response:* No action is required.

**BMC097472**  
**CATALOG RECORD SORT OR REPOS UPDATE HANDLER INPUT COUNTERS: LOGICAL LOG INPUT = nnnnnn, LOGICAL LOG USED = nnnnnn**  
*Explanation:* This informational message details the number of records that the product processes as it either  
- sorts DB2 catalog records encountered during the current log scan—for example, as the product generates data definition language (DDL) statements  
- updates the Repository with information from the DB2 catalog  

The product always issues this message when it executes in overtime mode. It can also issue this message under some circumstances in current mode (for example, during automated drop recovery processing). A count of the records discarded during this process follows in message BMC097473.  
*User response:* No action is required.

**BMC097473**  
**DISCARDED = nnnnnn, NOT DB2 CATALOG = nnnnnn, NOT COMMITTED = nnnnnn, NOT USED = nnnnnn**  
*Explanation:* This informational message provides counts of the total number of records that the product discards as it either  
- updates the Repository with information from the DB2 catalog  
- sorts DB2 catalog records encountered during the current log scan—for example, as the product generates data definition language (DDL) statements  

The NOT DB2 CATALOG count includes log records not belonging to DSNDB06. The NOT USED count includes records that are updates to DB2 CATALOG objects that do not directly impact the process to update the Repository or sort DB2 catalog records (for example, updates to the SYSIBM.SYSPLAN and SYSIMB.SYSDBRM tables of the DB2 catalog).  
*User response:* No action is required.

**BMC097474**  
**type DDL CREATED COUNTERS: TOTAL STMTS = nnnnnn, Creates = nnnnnn, ALTERS = nnnnnn, DROPS = nnnnnn**  
*Explanation:* This informational message details the number of data definition language (DDL) statements generated in a log scan step.  
*User response:* No action is required.
### OLD OBJECTS REPOSITORY UPDATE COUNTERS:

**Explanation:** This informational message indicates that succeeding messages contain details about the number of updates made to the Old Objects Table during REPOS UPDATE processing. The succeeding messages include BMC097476 and BMC097602.

**User response:** No action is required.

### FROM LOG INSERTS = nnnnnn, FROM LOG UPDATES = nnnnnn, FROM DB2 INSERTS = nnnnnn, FROM DB2 UPDATES = nnnnnn

**Explanation:** This informational message provides details about the number of changes made to the Old Objects Table during REPOS UPDATE processing. The product displays this message in conjunction with a BMC097475 message. This message indicates how many changes came from sources other than an old objects data set.

**User response:** No action is required.

### AN ERROR OCCURRED WHILE WRITING A RECORD TO THE DDL Type DDL FILE. THE RECORD WILL NOT BE WRITTEN.

**Explanation:** An error occurred while attempting to write to the data definition language (DDL) output file. Processing terminates.

**User response:** Determine the cause of the error and submit the job again. If you cannot determine the cause of the error, contact BMC Customer Support.

### INTERNAL ERROR: FILE (fileName), LINE (lineNumber)

**Explanation:** An internal error has occurred during processing.

**User response:** Contact BMC Customer Support. Provide the file and line information. Additional diagnostic messages and backtrace information might also appear. If a DD statement is present for ALPDUMP, a snap dump is produced that might be useful in diagnosing the problem.

### DIAGNOSTICS:

**Explanation:** Diagnostic data for analyzing internal errors is shown.

**User response:** See the preceding message.

### OLD OBJECT INPUT SPECIFIED DROP RBA X 'rbaValue01' WHICH IS LESS THAN THE CREATERTBA X 'rbaValue02'

**Explanation:** The CREATE RBA/LRSN specified in the old objects data set, at the point listed, is greater than the corresponding DROP RBA/LRSN.

**User response:** Correct the error and submit the job again.
BMC097481  WILL USE DEFAULT INDEX IF IT IS AVAILABLE

Explanation: The alternate index that you specified was not found in the DB2 catalog. The product uses the default index if possible. See the preceding message BMC097207 for the index name.

User response: Change the alternate index name for the work ID, or create the index, and submit your job again.

BMC097482  DEFAULT USER OR SQLID WAS SPECIFIED NEEDS AT LEAST 8 BYTES. THIS COLUMN IS DEFINED WITH LENGTH lengthValue

Explanation: A DEFAULT USER or SQLID was specified for the column listed in the preceding message. This specification requires a character type field with at least 8 bytes for the length. The length specified on this field is listed in the message.

User response: If this message is generated in the parsing of an old objects data set, correct the error and submit the job again. If this message is generated during subsequent processing, contact BMC Customer Support.

BMC097483  DEFAULT STRING CONSTANT LENGTH lengthValue01 IS LARGER THAN THE COLUMN LENGTH lengthValue02

Explanation: DEFAULT 'string constant' was specified for the column listed in the preceding message. However, the length of the default string is larger than the column length for the specified column.

User response: If this message is generated in the parsing of an old objects data set, correct the error and submit the job again. If this message is generated during subsequent processing, contact BMC Customer Support.

BMC097484  INVALID DECIMAL DATA ENCOUNTERED, FOUND X’hexValue’ INSTEAD OF VALID PACKED FIELD

Explanation: The product encountered invalid data while attempting to convert a decimal DB2 log column from its internal format to external packed data. The converted external packed data is displayed in the message. Processing will stop for this row.

User response: If running in overtime mode with old object definitions from an old objects data set or from the Repository, ensure that the RBA's DBID/OBID and column definitions being used are correct for the log range being processed. If current DB2 catalog definitions are in use, contact BMC Customer Support.

BMC097485  INVALID DECIMAL CONSTANT. FOUND 'constant' FOR COLUMN WITH LENGTH lengthValue AND SCALE scaleValue

Explanation: DEFAULT 'decimal constant' was specified for the column listed in the preceding message. However, the length or scale of the default decimal is
larger than the column length/scale for the column specified in the preceding message.

User response: If this message is generated in the parsing of an old objects data set, correct the error and submit the job again. If this message is generated during subsequent processing, contact BMC Customer Support.

**BMC097486**  
**INVALID NULL BYTE ENCOUNTERED. FOUND X'nn'. EXPECTED X'00' OR X'FF'.**

Explanation: The null byte for the column specified in the preceding message is not a valid X'00' or X'FF'. This row will not be processed further.

User response: If running in overtime mode with old object definitions from an old objects data set or from the Repository, ensure that the RBA's DBID/OBID and column definitions being used are correct for the log range being processed. If current DB2 catalog definitions are in use, contact BMC Customer Support.

**BMC097487**  
**REPOS UPDATE NOSCAN SPECIFIED WITHOUT PRIME FROM DB2CATALOG OR OLD OBJECT DATASET SPECIFIED**

Explanation: Repository updates were requested without any source to update the Old Objects Table (possible sources include the DB2 log, the DB2 catalog, or an old objects data set).

User response: Correct the error and submit the job again.

**BMC097488**  
**A LENGTH WAS NOT SPECIFIED FOR COLUMN columnName ON TABLE owner.tableName IN THE OLD OBJECT DATASET**

Explanation: A required length attribute was not supplied for the named column on the named table in the old objects data set.

User response: Correct the error and submit the job again.

**BMC097489**  
**GRANTS = nnnnnn, REVOKEs = nnnnnn**

Explanation: The product displays this informational message in conjunction with messages BMC097474 and BMC097499 to detail the numbers of data definition language (DDL) statements created in a log scan step.

User response: No action is required.

**BMC097490**  
**COLLECTING ROW IMAGES FOR TABLESPACE tableSpaceName DSNUM partitionNumber**

Explanation: Completion processing is collecting row images for the table space and dsnum shown.

User response: No action is required.
**BMC097491** UNABLE TO FIND ROW IMAGES FOR TABLESPACE *tableSpaceName*
DSNUM *partitionNumber*

*Explanation:* During row completion processing, the product was unable to find an acceptable source for row images of the table space and partition shown.

*User response:* If you have limited the sources for row images by using the IMAGESOURCE clause on the OPTION statement, try removing the restriction. Review information in SYSIBM.SYSCOPY to determine what resources would be available for completing the image.

**BMC097492** INDEX *owner.indexName* ON TABLE *owner.tableName* IS NOT UNIQUE INDEX

*Explanation:* The index displayed in the message is not unique. This situation can occur when your job requests the product to include the columns of an alternate index in the generated WHERE clauses of an SQL output file (you specify CHANGED COLUMNS as USE OVERRIDES), but the alternate index is not unique. In this case, the product continues processing and uses the named index.

The product can also produce this message when your job requests that primary key columns be included in the WHERE clauses, but no primary key index or unique key index exists on the table. In this case, the product continues processing and includes the columns associated with the first non-unique index it encounters. If no indexes exist at all, the product includes all columns in the generated WHERE clauses.

*User response:* Determine if the WHERE clauses of the generated SQL statements meet your needs. If they do not and the problem relates to an alternate index, ensure that alternate index that you specify is unique. If the problem relates to the lack of a primary key, either create a primary key for the table or change your CHANGED COLUMNS specification to a different value.

**BMC097493** NO INDEX FOUND FOR TABLE *owner.tableName*, WILL USE ALL COLUMNS AS THE INDEX ON THE TABLE

*Explanation:* No index was found in the DB2 catalog for the named table.

*User response:* If appropriate, create an index on the table and submit the job again.

**BMC097494** HISTORY INFORMATION INSERTED FOR WORKID *userID.workIDName* - RUN SEQUENCE NUMBER *runSeqNumber*

*Explanation:* Historical information for the run has been inserted into the product's Repository.

*User response:* No action is required.
ENCOUNTERED 'ALTER TABLE owner.tableName ADD COLUMN columnName' WHICH CANNOT BE UNDONE BY DDL UNDO PROCESSING

Explanation: The product displays this warning message when it encounters an ALTER TABLE ADD COLUMN for the named objects as it processes UNDO DDL. The product cannot undo this action because of current DB2 processing constraints.

User response: No action is required.

FILTERS COULD NOT BE GENERATED, SEE PRECEDING MESSAGES

Explanation: A severe error has occurred in preparation of the log scan filter.

User response: See preceding error messages for a possible reason, and contact BMC Customer Support.

THE DECIMAL VALUE value, HAS BEEN TRUNCATED TO FIT THE PRECISION AND SCALE OF (precision, scale)

Explanation: A column predicate value was specified with a precision and scale that exceeds the DB2 catalog definition for the column. The value was truncated for filtering. No action is required.

User response: No action is required.

THE DECIMAL VALUE value, CANNOT BE CONVERTED TO FIT THE PRECISION AND SCALE OF (precision, scale)

Explanation: A column predicate value was specified that cannot be converted to a packed decimal value for filtering.

User response: Verify the column predicates of the WHERE clause or filter that should be decimal values according to its definition, correct the value, and submit the job again.

COMMENTS = nnnnnn, LABELS = nnnnnn, RENAMES = nnnnnn

Explanation: The product displays this informational message in conjunction with BMC097474 and BMC097489. It details the numbers of data definition language (DDL) statements created in a log scan step.

User response: No action is required.

Messages BMC097500 through BMC097599

This group includes messages for the Log Master for DB2 product.
BMC097500  **SQL EXECUTION NOT PERFORMED DUE TO COMPLETION CODE**  
*Explanation:* Execution of SQL is bypassed due to return codes found during previous processing.  
*User response:* Review the output. If the reasons for the nonzero return codes are acceptable, create a work ID to execute the SQL.

BMC097501  **consolidatedFilterText**  
*Explanation:* This informational message displays the content of the consolidated filter that the product is using for the current log scan. The consolidated filter is the product's internal version of the filter you specify, which can contain additional filter predicates, depending on the type of processing you request.  
*User response:* No action is required.

BMC097502  **ENCOUNTERED OVERLAPPING OVERTIME OBJECTS FOR TABLE owner.tableName**  
*Explanation:* While processing in overtime mode, the product encountered overlapping objects for the named table. The product will attempt to correct the overlap, as reported in succeeding messages, and continue.  
*User response:* No action is required. However, to prevent further occurrences of this message, you can correct the definitions that overlap between your old objects data set, the Old Objects Table, and the DB2 catalog.

BMC097503  **THE DB2 CATALOG/REPOSITORY/USER DEFINED TABLE HAS CREAT RBA X'\textit{rbaValue01}' AND ENDING RBA X'\textit{rbaValue02}'**  
*Explanation:* The product presents this message with messages BMC097502 or BMC097552. This message details the nature of the overlapping RBA values encountered.  
*User response:* No action is required. However, to prevent further occurrences of this message, you can correct the definitions that overlap between your old objects data set, the Old Objects Table, and the DB2 catalog.

BMC097504  **THE ENDING RBA FOR THE FIRST REPOSITORY/USER DEFINED OBJECT IS ADJUSTED TO RBA X'\textit{rbaValue}'**  
*Explanation:* This message is generated following messages BMC097503, describing overlapping objects, to inform of the product's action attempting to resolve the overlap.  
*User response:* No action is required. However, to prevent further occurrences of this message, you can correct the definitions that overlap between your old objects data set, the Old Objects Table, and the DB2 catalog.

BMC097505  **COLUMN LEVEL FILTERING IS NOT ALLOWED ON DDL CREATION OR OVERTIME REPOS UPDATING OUTPUTS**  
*Explanation:* The SYSEXIN syntax of your job specifies column-level filtering for a log scan, but the log scan requests one of the following items:
- data definition language (DDL) output
- updates to the Old Objects table of the Repository (REPOS UPDATE)
- a Catalog Activity report

The product does not support column-level filtering with these types of output.

*User response:* Remove the column-level filtering and submit the job again.

**BMC097506**

**MASS DELETE DETECTED IN REDO PROCESSING, OUTPUT MAY NOT BE AS EXPECTED.**

*Explanation:* The product is generating a mass delete action as part of a REDO operation. (Under version 9 and later versions of DB2, the product generates a TRUNCATE statement for the selected table.) This action might delete more data than intended.

*User response:* Examine generated SQL to determine if the mass delete action is valid.

**BMC097507**

**RBA/LRSN: rbaValue**

*Explanation:* This message provides a generic display of an RBA/LRSN value.

*User response:* No action is required.

**BMC097508**

**MASS DELETE DETECTED IN UNDO PROCESSING, RECORDS WILL NOT BE PROCESSED.**

*Explanation:* During a job that specifies UNDO SQL output, the product has encountered log records that reflect either a mass delete action performed on a segmented/universal table space or a LOAD REPLACE action. Because of the way DB2 logs these events, the product cannot generate UNDO SQL to reverse the action.

The product ignores these log records and attempts to continue processing as follows:

- If the log records are the result of a LOAD REPLACE action, the product issues message BMC097539 and terminates. See the description of BMC097539 to determine the status of your output.
- If the log records are *not* the result of a LOAD REPLACE action, the product continues generating UNDO SQL, but does not include any statements to reverse the mass delete.

*User response:* If your job ran successfully, examine the generated UNDO SQL to determine if it meets your needs. If necessary, you can use the GENERATE MASSDELETE keyword of the OPTION statement to prevent the product from issuing this message.
BMC097509  OBJECT SPECIFIED FOR DDL FILTERING DOES NOT CURRENTLY EXIST IN THE DB2 CATALOG

*Explanation:* The SYSIN syntax of your job requests filtering on a DB2 catalog object in overtime mode, but the object does not currently exist in the DB2 catalog. Processing continues, and the product selects old objects matching the filtering criteria if they are encountered in the DB2 log.

*User response:* No action is required.

BMC097510  ALTER `actionType` COLUMN HAD NO EXISTING TABLE IN ALPOLDO AND CANNOT BE PROCESSED

*Explanation:* The product displays this informational message when your job or job step requests updates to the Old Objects table of the Repository (REPOS UPDATE). The product has encountered the log records of an ALTER statement that changed a column in an object selected by your filter, but the Old Objects table does not contain any information about the table that contains the column. The product ignores the ALTER statement and continues processing. The product displays the name of the column in a subsequent BMC097175 message.

*User response:* No action is required. If information about the table should or does exist in the Old Objects Table, contact BMC Customer Support. To insert information about the table into the Old Objects Table, process the DB2 log records from the period when the table was created or define the table in an old objects data set.

BMC097511  ALTER ADDED COLUMN `owner.tableName.columnName` COL NO `columnNumber`, EXISTING REPOS DEFINITION HAS `nnn` COLUMNS, CANNOT BE PROCESSED

*Explanation:* Old Object Repository updates were requested, but the product encountered an ALTER ADD to an object selected by the filter criteria. The table to which the ALTER is being done currently exists in the Old Objects Table with the specified number of columns, but the ALTER ADD action encountered was not for the immediately subsequent column. The ALTER statement cannot be processed.

*User response:* Update the product's Repository to a current status, either by reading the DB2 log for the range when an intervening ALTER statement was executed to update the Old Objects Table, or by providing user-specified data in an old objects data set.

BMC097512  SEARCH CONDITION STATEMENTS FROM FILTER `owner.filterName`

*Explanation:* This informational message indicates the start of filter lines originating from the product's Repository with the owner ID and name indicated.

*User response:* No action is required.
BMC097513  
*(filterLineText)*

**Explanation:** This message follows BMC097512 and contains a line of the filter indicated in that message.

**User response:** No action is required.

BMC097514  
**LASTRUN SPECIFIED BUT NO PRIOR RUN FOUND FOR WORKID**

`userID.workIDName' HANDLE handleID`

**Explanation:** The SYSIN syntax of your job defines an ongoing log scan that uses the start point or end point of the most recent successful run of the log scan (USE RUNSEQ LASTRUN or RERUN RUNSEQ LASTRUN). However, the product’s Repository does not contain information about any previous successful runs of the log scan that you specified. The product cannot determine a scan range and processing terminates.

**User response:** Examine your input to ensure you have specified the correct ongoing log scan. If you have and you need to run the log scan, edit the SYSIN syntax (or redefine the work ID with the online interface) to remove the USE RUNSEQ or RERUN RUNSEQ keywords. Submit the job again.

BMC097515  
**NO TABLE NAMES FOUND FOR predicateType PREDICATE:**

**Explanation:** Your filter or WHERE clause includes at least one alias or synonym, but the product either cannot find the specified alias or synonym in the DB2 catalog, or cannot find a table in the catalog that corresponds to the alias or synonym. A subsequent BMC97175 message displays the alias or synonym value. Processing terminates.

**User response:** Examine your input to ensure you have specified the correct alias or synonym value. Edit the SYSIN syntax (or redefine the work ID with the online interface) to correct the alias or synonym value. Submit the job again.

BMC097516  
**BACKOUT INTEGRITY REPORTING CANNOT BE COMPLETED FOR THE FOLLOWING SPACE DUE TO A REORG OR LOAD REPLACE:**

**Explanation:** The SYSIN syntax of your job requests a backout integrity report, but the existence of a REORG or LOAD REPLACE action against the table space prevents the product from tracking integrity problems.

**User response:** No action is required.

BMC097517  
**ALTER ADDED IDENTITY COLUMN WILL BE SET TO ZERO**

**Explanation:** The product displays this warning message when it encounters a log record that reflects a version of a DB2 object that is *different* than the current version of that object. The table reflected in the log record contains an IDENTITY column that was added to the table by using an ALTER statement. The product cannot determine the appropriate value for the IDENTITY column and sets the value of the column to zero. Processing continues.

**User response:** No immediate action is required, but you should examine your output to determine it meets your needs. If you use the output to change a DB2
object, the value in the IDENTITY column might cause results that you do not expect.

**BMC097518**  
*activityType DETECTED IN LOG*

*Explanation:* This message can be an informational or a warning message, depending on the type of activity detected. The product has encountered log records that represent a type of DB2 activity that might prevent the product from generating meaningful output. For example, the log can reflect a load or reorganization action that affects the table spaces defined (directly or indirectly) by your log scan. This type of operation can prevent the product from completing all required update log records. Alternately, the logging attribute of a table space can be set to NOT LOGGED (LOG NO) during the range of your log scan, which prevents the product from generating output for the entire range.

*User response:* No immediate action is required. Examine your job or job step's output carefully for succeeding messages. Ensure that the log scan has generated the output you require.

**BMC097519**  
*TYPE: loadReorgType*

*Explanation:* See the description for message BMC097518

*User response:* No action is required.

**BMC097520**  
*OBID (obid01) SPECIFIED IN OLD OBJECT CREATE TABLE SYNTAX DOES NOT MATCH OBID (obid02) SPECIFIED IN OLD OBJECT SYNTAX*

*Explanation:* An old objects data set definition specified different OBIDs in the required syntax and the optional CREATE TABLE syntax. The required OLD OBJECT specification will be used.

*User response:* No action is required unless the wrong OBID will be used. If so, correct the old objects data set and submit the job again.

**BMC097521**  
*IN DATABASE SYNTAX OF CREATE TABLE IS NOT SUPPORTED IN OLD OBJECT DATASET DEFINITIONS*

*Explanation:* Generation of a table space name is not attempted by this product. The CREATE TABLE syntax in the old objects data set must specify both DBNAME.TSNAME in the IN clause or just the TSNAME with the DBNAME defaulting to DSNDB04.

*User response:* Correct and submit the job again.

**BMC097522**  
*URID RBA = 'rbaValue' MEMBER = n*

*Explanation:* The message provides additional information for the preceding message about a unit of recovery in a data sharing group.

*User response:* No action is required.
BMC097523  *nnn EXCEEDS MAXIMUM columnType COLUMN LENGTH OF maxColumnTypeLength FOR owner.tableName.columnName*

*Explanation:* The length specified for the reported column is greater than the maximum length for that column type. (For example, the DECIMAL maximum length is 31.)

*User response:* Correct the error and submit the job again.

BMC097524  *FIELD PROC CONSTANT FOR owner.tableName.columnName IN THE OLD OBJECT DATASET IS LARGER THAN 254 BYTES*

*Explanation:* A field procedure constant specified in the old objects data set for the reported column is greater than the maximum allowed 254 bytes.

*User response:* Correct the error and submit the job again.

BMC097525  *INDEX COLUMN NAME columnName FOR TABLE owner.tableName IN THE OLD OBJECT DATASET DID NOT HAVE A MATCHING COLUMN DEFINITION*

*Explanation:* A column name specified in the PRIMARY KEY or UNIQUE clause of the CREATE TABLE syntax of the old objects data set named a column that did not have a matching column named describing the column.

*User response:* Correct the error and submit the job again.

BMC097526  *processType MEMORY REQUIRED, BUT keyStoreName WAS NOT INITIALIZED. CHECK MEMPERCENT OPTION*

*Explanation:* This message warns you of either of the following situations:

- The product needs to perform row completion processing, but the key store memory allocations for your job do not allocate any memory to the FC (forward completion) key store memory area.

- The product is attempting to generate a Backout Integrity report, but the key store allocations do not allocate any memory to the AN (anomaly) key store.

The product attempts to continue processing, but your job might not be able to complete all required log records or generate the required Backout Integrity report.

*User response:* If your job does not produce the required output, adjust the key store memory allocations for your job. These allocations are determined by the MEMPERCENT keyword of the OPTION statement or by a set of corresponding installation options. Allocate memory to the required key store and submit the job again.

BMC097527  *CANNOT SPECIFY 0 FOR keyStoreName, specType VALUE*

*Explanation:* The batch SYSIN syntax for your job allocates zero percent of key store memory to the individual key store memory area represented by keyStoreName. The product requires key store memory for at least the UR (URID) and LR (Log Record) key stores. The specType value tells you how the
zero value was specified (by either the MEMPERCENT keyword of the OPTION statement or by installation options settings). succeeding

User response: Use either the MEMPERCENT keyword of the OPTION statement or corresponding installation option values to adjust your job's key store allocations. Allocate memory to the required key stores and submit the job again.

**BMC097528**

**highSpeedApplyMsgText**

**Explanation:** Log Master uses the High-speed Apply Engine to execute generated SQL statements. Whenever High-speed Apply displays an output message, Log Master prefaces the message with this single Log Master message number. The High-speed Apply message number and message text immediately follow the BMC097528 message number. For example:

<table>
<thead>
<tr>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC097528W: APT0095W Conflict management. WARNING detected</td>
</tr>
<tr>
<td>BMC097528I: APT0084I Statement ID: 3</td>
</tr>
<tr>
<td>BMC097528I: APT0100I Multiple rows affected: 3</td>
</tr>
<tr>
<td>BMC097528I: APT0067I Request completed Return code: 4</td>
</tr>
</tbody>
</table>

High-speed Apply frequently displays a sequence of several related messages in response to one error condition. The severity code of each BMC097528 message is the same as the severity code of the embedded High-speed Apply message.

User response: Look for the explanation of the High-speed Apply message number in the *High-speed Apply Engine Reference Manual*. Use the sequence of High-speed Apply messages to determine the appropriate action.

**BMC097529**

**cannotSupportHighSpeedApplyAPIFunctionCode**

**functionID**

**VERSION versionNumber**

**Explanation:** The product is attempting to call the High-speed Apply Engine to execute generated SQL statements. The current version of the product cannot support the displayed version of the displayed function of High-speed Apply.

User response: Use the load libraries of the version of High-speed Apply that was distributed with the current version of the product. If necessary, contact BMC Customer Support.

**BMC097530**

**cannotExecuteSQLStatementsFromMessageQueues**

**Explanation:** The product is attempting to execute generated SQL statements, but your job defines the input source for the SQL statements as an MQSeries queue. The current version of the product does not support MQSeries input for generated SQL statements. Processing terminates.

User response: To execute the SQL statements from an MQSeries queue, code a separate job step in your JCL to explicitly execute the High-speed Apply Engine. High-speed Apply can read SQL input from MQSeries queues.
BMC097531  **predicateType. predicateValue DOES NOT EXIST llogText**

*Explanation:* Your filter specifies a selectable field and value related to data sharing (for example, MEMBER NAME=DB2A). However, the data sharing member referenced by your filter is not defined in the input source for your log scan.

- If your job reads input from the BSDS or from specific DB2 log files (INPUT DB2LOG), the data sharing member does not appear in DB2's response to a DISPLAY GROUP command.

- If your job reads input from logical log files, no information about the data sharing member appears in the Data Sharing Member (DDSM) record of the logical log control file. (The *llogText* string indicates if your input source is logical log files.)

Processing terminates.

*User response:* Correct your filter so that it refers to a data sharing member that is defined in your input source. Submit the job again.

BMC097532  **NO MATCHES FOUND FOR predicateType predicateValue**

*Explanation:* Your filter specifies a selectable field and value related to data sharing and uses the LIKE operator (for example, MEMBER NAME LIKE DB2*). However, no data sharing members defined in the input source for your log scan match the wildcard pattern in your filter.

- If your job reads input from the BSDS or from specific DB2 log files (INPUT DB2LOG), no matching data sharing members appear in DB2's response to a DISPLAY GROUP command.

- If your job reads input from logical log files, the Data Sharing Member (DDSM) record of the logical log control file contains no information about data sharing members that match your pattern. (The message indicates if your input source is logical log files.)

Processing terminates.

*User response:* Correct your filter so that the pattern matches at least one data sharing member that is defined in your input source. Submit the job again.

BMC097533  **NO COLD START RECORDS FOUND FOR SCAN RANGE**

*Explanation:* This message is issued only when your job requests the product to process any transactions (units of recovery) that were open when the DB2 subsystem was last cold started. The product assumes that your scan range (time frame) includes the period when the subsystem was cold started. The
message warns you that the product did not encounter any unterminated units of recovery during your scan range. Processing continues.

User response: Verify that your scan range includes the period when the subsystem was cold started.

**BMC097534**

**COLD START URID X’uridRbaValue’ commitStatus**

*Explanation:* The product issues this informational message *only* when your job requests the product to process any transactions (units of recovery) that were open when the DB2 subsystem was last cold started. The product assumes that your scan range (time frame) includes the period when the subsystem was cold started. The message displays information about any unterminated transactions that the product encounters. The message displays the RBA/LRSN of the first record in the transaction and the transaction's status (committed or aborted). Processing continues.

User response: No action is required.

**BMC097535**

**totalCount COLD START URID(S) PROCESSED, commitCount, abortCount**

*Explanation:* This product displays this message only when you request it to process any transactions (units of recovery) that were open when the DB2 subsystem was last cold started. The product assumes that your scan range (time frame) includes the period when the subsystem was cold started. The message displays the number of unterminated transactions (*totalCount*), the number of unterminated transactions that had started a rollback action (*abortCount*), and the number of unterminated transactions that had not started a rollback action (*commitCount*).

The product displays this message as either an informational or a warning message. The warning message indicates that no units of recovery were open when the cold start occurred.

Processing continues.

User response: If the number of unterminated transactions is zero, verify that your scan range includes the period when the subsystem was cold started. Otherwise, use the job's output as appropriate in your environment.

**BMC097536**

**solutionName solutionVersionNumber Solution**

*Explanation:* The product displays this informational message when it is currently installed as part of a solution from BMC. The product displays this message only when it has been installed and licensed as a component of a solution. The product displays this message for all active solutions of which the product is part. Processing continues.

User response: No action is required.
BMC097537  FILE WRITE FAILED - abendCodeReasonCode OUT OF SPACE CONDITION DETECTED

Explanation:  The product has encountered an error condition as it attempts to write information to a file. A succeeding message provides the name of the file. The parameters used when the file was allocated did not provide enough disk space for the amount of information that the product must write. The abend code and reason code in the message provide more details about the cause of the error.

Depending on the file that the product is attempting to write to, processing can terminate or proceed.

User response:  Use the abend and reason codes displayed in the message (and any additional related messages) to determine the cause of the error. If necessary, reallocate the file and submit the job again.

If the file is a partitioned data set, allocate a new file (with a different name) using adjusted parameters and change your job to use the new file. If the file is not a partitioned data set, you can adjust the allocation parameters within your configuration.

You might also need to adjust the default values of the product's disk space parameters.

BMC097538  SYSTEM SERVICE serviceName FAILED - RC: returnCode REASON: reasonCode INFORMATION: text

Explanation:  The product received an unexpected return code from the service identified by serviceName. The service is usually an operating system or DB2 service that the product uses during processing. The return code, reason code, and any information that accompanied them are also shown in the message text.

The action that the product takes depends on the nature of the service failure. The product issues additional messages to notify you whether processing can continue.

User response:  Use the information in this message and surrounding messages to diagnose and correct the problem. For more information about the specified return and reason codes, consult the appropriate IBM documentation. If you need assistance, contact BMC Customer Support.

BMC097539  LOAD REPLACE DETECTED WHILE PROCESSING UNDO SQL, DATA WILL NOT BE PRODUCED

Explanation:  During a job that specifies UNDO SQL output, the product has encountered log records that reflect a LOAD REPLACE action. Because of the way DB2 logs this action, the product cannot generate SQL to reverse this action.
The product purges all data in the UNDO SQL output. The product's next action depends on whether your log scan requests other forms of output and whether your job is defined as an ongoing process.

- If your log scan specifies only UNDO SQL output, processing terminates.
- If a multiple output log scan is part of an ongoing job, the product purges data from all outputs and terminates processing.
- If your multiple output log scan is not part of an ongoing job, the product continues processing and attempts to generate all forms of output except the UNDO SQL output.

User response: If your log scan generates other forms of output, examine them and determine if they meet your needs. To avoid this error message, either redefine your log scan to remove the UNDO SQL output, or use the GENERATE MASSDELETE keyword of the OPTION statement to direct the product to ignore this type of log record for all processing.

**BMC097540**

**DYNAMICALLY TURNED HEURISTIC FC KEystore USAGE OFF, ASSIGNED FC STORAGE TO LR KEystore**

Explanation: The product displays this informational message when it has dynamically changed the value of the HEURISTIC FORWARDCOMPLETION keyword of the OPTION statement to disable the special form of row completion processing called heuristic forward completion.

The product takes this action to improve performance when your work ID contains only one log scan and your filter specifies update types of only INSERT or DELETE (not UPDATE). The product reallocates the memory intended for heuristic forward completion to the LR (Log Record) key store.

User response: No action is required.

**BMC097541**

**ONGOING HANDLE handleID MAY NOT BE USED BY MULTIPLE LOGSCAN STATEMENTS IN THE SAME WORKID**

Explanation: The SYSIN syntax of your job or job step includes more than one LOGSCAN statement, but the same ongoing handle ID value is used more than one time. The product does not support this action because it would result in multiple entries in the ALPURID table for this run of your ongoing handle ID and prevent any future use of the RERUN keyword with this run. Processing terminates.

User response: Edit the SYSIN syntax of your job (or redefine your work ID by using the product's online interface). Depending on your processing requirements, either change one of the ongoing handle IDs to a different value or move one of the duplicate log scans to a separate job step. Submit your job again.
BMC097542 COMPLETION ERROR TABLESPACE databaseName.tableSpaceName PAGE(pageNumber) ROW(rowID) TABLE owner.TableName

Explanation: The product displays this informational message as it responds to an error in row completion processing. The message includes information that BMC Customer Support can use to locate the row completion error and to generate debugging information. The product displays a succeeding error message indicating a specific type of row completion failure.

User response: Retain the information in this message for consultation with BMC Customer Support. Note any succeeding messages that relate to row completion processing.

BMC097543 MULTIPLE LOGICAL LOG INPUT FILES CONTAIN DIFFERENT TABLE DESCRIPTIONS FOR THE SAME TABLE. OUTPUT MAY NOT BE VALID.

Explanation: The product displays this warning message as it processes more than one logical log input file. Log records for the same table appear in more than one input file. However the structure of the table in one input logical log control file differs from the structure in another input file; the number of columns has changed. (This situation can result when a table is changed by an ALTER TABLE ADD COLUMN statement between the time frames of the logical log input files.)

At this point, the product continues processing. If you are generating either SQL or load file output from the logical log input, the product can terminate abnormally when it generates the output.

User response: Examine the output of your log scan to ensure that you have obtained the data you requested and that the data is valid. If your output is a merged logical log file, you can encounter errors when you subsequently generate either SQL or load file output. Consider processing the input logical log files separately to determine when the change in table structure occurred.

BMC097544 supportingCodeText

Explanation: This informational message displays the name and version number of supporting code from BMC that the current product uses. For example, the product uses load modules that are part of the Solution Common Code for DB2 (SCC) component.

User response: No action is required. If your job does not complete successfully, you might need to provide this information to BMC Customer Support.

BMC097545 DYNAMIC BIND EXCEPTION - exceptionType - RC: returnCode - outputText

Explanation: The product has encountered an error as it attempts to bind a required plan or package. This message displays the general category of error (for example, Bind, File, Call Attachment Facility—CAF—, or SQL) and the return code. If any related error information is available, the product adds the
outputText variable and displays the information in a following BMC097546 message. Processing terminates.

User response: It is available, examine the error information in the BMC097546 message. Use the information and other messages to determine the cause of the error. If possible, correct the error condition and submit the job again. The product will attempt to bind the plan or package again. If you cannot correct the error condition, contact BMC Customer Support.

BMC097546

**dynamicBindExceptionText**

Explanation: The text displayed in this informational message is output from a facility used by this product (for example, DB2 SQL, or DB2 Call Attachment Facility). This message normally follows a BMC097545 message when the product has encountered an error as it attempts to bind a required plan or package.

User response: Consult the technical documentation for the facility that issued the original message. If possible, correct the error condition and submit the job again.

BMC097547

**NO QUIET RANGES WERE FOUND FOR THE SPECIFIED OBJECTS AND SCAN RANGE**

Explanation: The product displays this warning message when your job requests a Quiet Point report, but the product cannot find quiet ranges within the scan range you specified that are related to the DB2 objects defined (directly or indirectly) by your filter. This message indicates the product did not find any quiet ranges at all (regardless of the minimum duration you might have specified for your report).

User response: No action is required.

BMC097548

**WARNING: EMPTY OLD OBJECT FILE**

Explanation: An empty old objects data set was specified in the SYSIN to this run. This warning is issued, but, processing continues.

User response: No action is required; however, if data should have been supplied, correct the error and submit the job again.

BMC097549

**LOG RECORD(S) CANNOT BE COMPLETED FOR THE FOLLOWING TABLE DROPPED AT X'rbaValue':**

Explanation: The log records that follow could not be included in output processing due to the inability to complete the row images for the table that was dropped at the specified RBA/LRSN.

User response: To complete log records associated with dropped objects, you can take either of the following steps:

- ensure that the Data Capture Changes (DCC) attribute is set for the dropped objects before they are dropped
run the product in overtime mode, specify the ATTEMPT COMPLETION keyword of the OPTION statement, and include an IMAGECOPY statement to specify the names of image copy data sets that contain the dropped objects. Depending on the objects you select and the activity related to those objects, you might need to specify multiple image copy data sets. These actions increase the chances of successful row completion processing.

**BMC097550** OLD OBJECT DATASET END OF FILE WAS REACHED. PARSING IS NOT AT THE EXPECTED END OF OBJECT.CODE= returnCode

*Explanation:* Parsing of the old objects data set reached the end of the file before the logical end of an object definition.

*User response:* Correct the error and submit the job again. Contact BMC Customer Support for assistance in determining the cause of the error if needed.

**BMC097551** BINDING EXECUTE SQL PLAN planName TO DB2 SUBSYSTEM/GROUP ssid

*Explanation:* SQL execution will attempt to bind the specified plan to the DB2 subsystem or data sharing group.

*User response:* No action is required.

**BMC097552** ENCOUNTED OVERLAPPING OVERTIME OBJECTS FOR TABLES owner01.tableName01 AND owner02.tableName02

*Explanation:* While processing in overtime mode, the product encountered overlapping objects for the named tables. The product will attempt to correct the overlap, as reported in succeeding messages, and continue.

*User response:* No action is required. To prevent further occurrences of this message, correct the overlapping definitions between the old objects data set, the Old Objects Table, and the DB2 catalog.

**BMC097553** THE BEGINNING RBA FOR THE SECOND REPOSITORY/USER DEFINED OBJECT IS ADJUSTED TO X'rabValue'

*Explanation:* The product displays this message in conjunction with BMC097502, BMC097552, and BMC097503, reporting overlapping objects while processing in overtime mode. This message details the action taken to resolve the overlap.

*User response:* No action is required. To prevent further occurrences of this message, correct the overlapping definitions between the old objects data set, the Old Objects Table, and the DB2 catalog.

**BMC097554** OLD OBJECT DATASET INPUT:

*Explanation:* Printing of the input old objects data set follows.

*User response:* No action is required.
FOR EACH TABLESPACE UP TO nn SAMPLE RECORDS FOLLOW

Explanation: This message might follow BMC097461 to indicate that the sample records that were not completed will follow.

User response: See message BMC097461.

tsoid IS NOT A VALID TSOID

Explanation: The specified TSO identifier does not conform to TSOID naming standards.

User response: Correct the specified TSOID and submit the job again.

DB2 SUBSYSTEM ssid IS MEMBER memberName IN DATA SHARING GROUP groupName

Explanation: The product has connected to the data sharing group through the indicated subsystem.

User response: No action is required.

A GROUP ATTACH WAS PERFORMED WITH groupAttachName

Explanation: The JCL of your job specifies a group attach name rather than a specific DB2 subsystem. The actual DB2 subsystem that the product connected to is given by BMC097557.

User response: No action is required.

OPTION EXECUTION MODE OVERTIME MUST BE USED IN CONJUNCTION WITH OVERTIME REPOSITORY UPDATE PROCESSING

Explanation: The product must run in an execution mode of overtime to update the Old Objects Table in the Repository. (If you specify REPOS UPDATE, you must also specify OPTION EXECUTION MODE OVERTIME).

User response: Correct the error and submit the job again.

ONLY ONE OVERTIME REPOSITORY action IS ALLOWED IN A WORKID WITH MULTIPLE LOGSCAN STATEMENTS

Explanation: The SYSIN syntax of your job specifies multiple LOGSCAN statements, but more than one of the log scans updates (or deletes items from) the Old Objects Table of the Repository. The product can process only one old objects action within a single work ID.

User response: Edit the SYSIN syntax (or redefine the work ID with the online interface) so that only one old objects action remains within the work ID. To perform more than one such action, separate the actions into multiple work IDs. Submit the job again.
**BMC097562** UPDATE REPOS NOSCAN AND DDL OUTPUT IN A SINGLE LOGSCAN STEP IS NOT ALLOWED

*Explanation:* REPOS UPDATE NOSCAN and data definition language (DDL) output are incompatible on the same log scan step.

*User response:* Correct the error and submit the job again.

**BMC097563** EXECUTION MODE OVERTIME IS REQUESTED. AN ADDITIONAL LOGSCAN STEP IS BEING GENERATED TO TRACK DB2 OBJECTS.

*Explanation:* EXECUTION MODE OVERTIME was specified, without a REPOS UPDATE request to track changes in DB2 objects. The product will create an additional log scan step, copying your filter criteria, in an attempt to track potential changes to DB2 objects that you are selecting. The product takes this action only if the DB2CATALOG installation option is set to a value other than NEVER.

*User response:* No action is required.

**BMC097564** EXECUTION MODE OVERTIME IS REQUESTED. AN ADDITIONAL LOGSCAN STEP CANNOT BE GENERATED TO TRACK DB2 OBJECTS.

*Explanation:* EXECUTION MODE OVERTIME was specified, without a REPOS UPDATE request to track changes in DB2 objects. The product cannot generate an additional log scan step to track changes to DB2 objects because the DB2CATALOG installation option is set to a value of NEVER.

*User response:* No action is required.

**BMC097565** OLD OBJ CREATE/DROP RBA X'\texttt{rbaValue01}' FOR owner.tableName IS GREATER THAN THE CURRENT SUBSYSTEM RBA X'\texttt{rbaValue02}.'

*Explanation:* The reported CREATE or DROP RBA/LRSN in the old objects data set for the table given is greater than the current subsystem RBA/LRSN on which this job is running.

*User response:* Correct the error and submit the job again.

**BMC097566** USER DEFINED OBJECT owner01.tableName01/dbid01.obid01 IS IN THE MIDDLE OF DB2 CATALOG OBJECT owner02.tableName02/dbid02.obid02, WILL NOT BE USED.

*Explanation:* You defined an object that is in the middle of a currently defined DB2 catalog object. The user definition will not be used.

*User response:* No action is required. To prevent further occurrences of this message action, correct the overlapping definitions between the old objects data set, the Old Objects Table, and the DB2 catalog.

**BMC097567** FROMLRSN = X 'lrsnValue01' TOLRSN = X 'lrsnValue02' MEMBER = memberName ID = memberNumber

*Explanation:* This message displays a general LRSN range.

*User response:* No action is required.
BMC097568  FROM LRSN = X 'lrsnValue01' TO LRSN = X 'lrsnValue02'
Explanation: This message displays a general LRSN range.
User response: No action is required.

BMC097569  LRSN = X 'lrsnValue01' MEMBER = memberName ID = memberNumber
Explanation: This message displays a general LRSN range.
User response: No action is required.

BMC097570  DBID: dbid PSID: psid DNUM: partitionNumber
Explanation: The product displays this message after a BMC097603 message. This message displays information about the compression dictionary that the product is accessing in the Old Objects Table of the Repository.
User response: No action is required.

BMC097571  START RBA/LRSN: X'rbaValue01' BUILT RBA/LRSN: X'rbaValue02'
Explanation: The product displays this message after a BMC097603 message. This message displays RBA/LRSN values for which the compression dictionary that the product is accessing is valid.
User response: No action is required.

BMC097572  INCONSISTENT USE OF OVERTIME OBJECTS IN LOGICAL LOG INPUT
Explanation: When using multiple logical logs as input, you cannot mix logical log inputs that were created for OVERTIME mode processing with those that were created for CURRENT mode processing.
User response: Review the inputs and goal of the log scan. You might need to run multiple log scans to avoid object definition conflicts.

BMC097573  SEGMENTED MASS DELETE UTILITY DETECTED IN LOG:
Explanation: The delete of all rows from a table in a segmented or universal table space was detected in the log.

The product displays this message only when your EXEC statement contains a message level parameter that is set to a value of two or greater. BMC recommends that you run with a message level of two during normal operation. The information in the additional messages can help you tune job performance or diagnose problems.

User response: No action is required.

BMC097574  SQLCODES INPUT STATEMENTS:
Explanation: This general message displays SQLCODES control card images.
User response: No action is required.
BMC097575  'IN TABLESPACE' CLAUSE MISSING FOR TABLE
databaseName.tableSpaceName IN THE OLD OBJECT DATASET

Explanation:  The required clause IN TABLESPACE
databaseName.tableSpaceName was missing for the named table in the old objects
data set.

User response:  Correct the error and submit the job again.

BMC097578  DDL/CATALOG ACTIVITY/REPOS UPDATE REQUESTED WITH
DB2CATALOG NO

Explanation:  The SYSIN syntax of your job or job step requires the product to
read log records of changes to the DB2 catalog. Actions that require DB2
catalog log records include data definition language (DDL) output, a Catalog
Activity report, or a request to update the Repository with object structure
definitions (REPOS UPDATE). However, the value of either the DB2CATALOG
keyword or the DB2CAT installation option prevents the product from
accessing catalog log records. Processing terminates.

User response:  Correct the error and submit the job again. Either change the
type of action you request or enable DB2 catalog access by changing the
appropriate keyword or installation option.

BMC097579  DBID: dbid OBID: obidVERSION: version

Explanation:  This informational message provides the DBID and OBID values
(in decimal), and the version of the table named in the preceding message

User response:  No action is required.

BMC097580  CREATE RBA/LRSN: X'rbaLrsnValue01' DROP RBA/LRSN:
X'rbaLrsnValue02'

Explanation:  This informational message displays the CREATE and DROP
RBA/LRSN values for the table named in the preceding message. If the object
being reported on is currently in the DB2 catalog, the DROP RBA/LRSN is
X'FFFFFFFFFFFF'.

User response:  No action is required.

BMC097581  CREATE TIMESTAMP: timeStamP01 DROP TIMESTAMP: timeStamP02

Explanation:  This informational message displays the CREATE and DROP
timestamps of the table named in the preceding message. If the object
being reported on is currently in the DB2 catalog, the DROP timestamp is CURRENT.

User response:  No action is required.

BMC097582  LOGICAL LOG NOT REQUIRED FOR LOGSCAN(S)

Explanation:  The period of time covered by the specified logical log file is not
relevant to the time frames specified in the log scan steps.

User response:  No action is required.
<table>
<thead>
<tr>
<th>BMC097586</th>
<th>PRE-FILTER RUN STATISTICS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>This informational message indicates that statistics for the pre-filtering phase are being given.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>No action is required.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMC097587</th>
<th>LOG RECORDS CHECKED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>This informational message displays the number of data management log records processed in the pre-filtering phase of the log scan.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>No action is required.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMC097588</th>
<th>LOG RECORDS PASSED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>This informational message displays the number of data management records that passed the pre-filtering phase of the log scan.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>No action is required.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMC097589</th>
<th>LOG RECORD(S) CANNOT BE COMPLETED FOR THE FOLLOWING OVERTIME SPACE DUE TO DROP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>Incomplete update log records exist for the overtime table space object that follows. (See message BMC097195.) Since the table space was dropped, information required for row image completion is no longer available.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Data Capture Changes (DCC) is required to complete images for overtime table spaces. Contact BMC Customer Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMC097590</th>
<th>IMAGE INCONSISTENCY FOUND PROCESSING OVERTIME TABLE AT X 'rbaValue', PROCESSING DISCONTINUED FOR TABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The row image data in the log at the RBA/LRSN specified does not match the previous image for this overtime table object. Processing continues without this overtime object.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>The probable cause is a table without Data Capture Changes being used for overtime processing with the time frame spanning a DROP and RECREATE of the table. Contact BMC Customer Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMC097591</th>
<th><strong>fileType</strong> FILE NOT WRITTEN DUE TO RETURN CODE <strong>returnCode</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The product has not created an output file of the type indicated by <strong>fileType</strong>. The product issues this error message when a log scan is an ongoing process and the product encounters the error indicated by <strong>returnCode</strong> during termination processing. Because the run is an ongoing process, the product discards the output that has already been generated.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Determine the cause of the error indicated by the return code and resolve the problem if possible. If you cannot determine the cause of the error or if you cannot correct the problem, contact BMC Customer Support.</td>
</tr>
</tbody>
</table>
**BMC097592**  
**TABLESPACE databaseName.tableSpaceName, DSNUM partitionNumber, RID X’recordIDValue’ - PAGE REPAIR BIT IGNORED**

*Explanation:* The product displays this warning message during normal processing when it encounters a page of a table space that has been altered in some way by the DB2 Repair utility. The product assumes that the table space page is valid and conforms to the standard format of DB2 table space pages. The product issues this message to provide the location where the page repair bit was encountered in case any subsequent problems are related to the repaired page. Processing continues.

*User response:* No immediate action is required. If subsequent problems are detected, you might have to provide the content of this message to BMC Customer Support.

**BMC097593**  
**OPEN URIDS DETECTED FOR ONGOING HANDLE handleNumber RUNSEQ runSeqNumber ARE IGNORED BECAUSE OF RESET OPTION**

*Explanation:* The product displays this informational message as it resets the start point of an existing ongoing log scan (ONGOING HANDLE handleNumber RESET). Because you are establishing a new start point, the product ignores any open units of recovery from the previous ongoing run. Processing continues.

*User response:* No action is required.

**BMC097594**  
**type SQL STATEMENT MAY EXCEED MAXIMUM ALLOWABLE LENGTH**

*Explanation:* This warning message indicates that the product has generated an SQL statement that the High-speed Apply Engine *can* process, but some dynamic SQL processors (such as SPUFI or DSNTEP2) *might not* be able to process. The type of the SQL statement is displayed in the message. The statement might be longer than 32765 bytes (455 lines). Some dynamic SQL processors (such as SPUFI or DSNTEP2) might not be able to process the statement, subject to the limits of your SQL processor or your version of DB2.

*User response:* Your response depends on how you will process the generated SQL statements:

- If you are using High-speed Apply, the statement can be processed as is. No action is required.

- If you are using a different tool to apply the SQL statements *and* that tool is subject to a length limit, review the generated SQL output and locate the statements that might be too long. You might be able to remove unnecessary white space or edit the SQL statement into two shorter SQL statements.
UNIT OF RECOVERY MUST BE LAST IN ORDER BY SEQUENCE FOR COMMIT REPORT

Explanation: A report output was specified with an ordering field that must be last in the sequence of order by keywords but was not.

User response: Verify the ordering sequence for the report and ensure that the specified value is last in sequence.

SQL STATEMENT EXCEEDS MAXIMUM ALLOWABLE LENGTH

Explanation: While generating SQL, a statement of the type indicated was processed that exceeded the maximum allowable length. The processing response is dictated by the SQL code handlers in effect at the time.

If the message includes the E severity code, the two messages issued after this one provide the table name and record RBA. The specified record contains large LOB or XML data. One or more LOB or XML columns was excluded from the SQL statement to avoid exceeding the length limit, and processing continues.

User response: You can use the High-Speed Apply Engine to apply the logical log input directly (for more information, see the High-speed Apply Engine Reference Manual). Alternatively, review the SQL input file, and if possible, modify the statements that are too long.

CORRESPONDING DISP dispositionType DATA FILE WILL NOT HAVE CONTROL DATA ASSOCIATED WITH THIS RUN

Explanation: The product produces this message in conjunction with message BMC097591 to inform you that it will not create a logical log control file because of preceding errors. The logical log data file will contain the data written to it, but the corresponding control file is not being written. The dispositionType variable can be OLD or MOD.

User response: Investigate the preceding error message and take appropriate action.

MISSING LOG RANGE ON LOG dataSetName - CHECK FOR MISSING LOGS

Explanation: This message occurs when specific DB2 logs are specified. It is followed by message BMC097082, which contains the expected RBA/LRSN followed by the RBA/LRSN found on the indicated log file. In a data sharing environment, the product might display the message as an informational message when it switches between subsystems.

User response: In a data sharing DB2 system, verify that the message occurs only for subsystem log switching; otherwise, verify that all of the logs have been specified.

PREDICATE VALUE LENGTH OF currentLength EXCEEDS MAXIMUM ALLOWABLE FIELD LENGTH OF maxLength FOR FIELD TYPE type

Explanation: The SYSIN syntax of your job specifies a filter predicate that includes a constant value for comparison, but the constant value is too long for
the type of selectable field. For example, if the filter predicate is \texttt{AUTH ID = SUPPLYCHAIN}, the constant value (\texttt{SUPPLYCHAIN}) is longer than the 8-character maximum length for an authorization ID.

\textit{User response:} Verify the filter predicates in your SYSIN syntax, correct any errors, and submit the job again.

### Messages BMC097600 through BMC097699

This group includes messages for the Log Master \textit{for DB2} product.

**BMC097600**

**IMAGE COPY PRECEDES A LOAD LOG NO, NOT ALL REQUIRED ROW IMAGES MAY BE FOUND**

\textit{Explanation:} The product displays this informational message during row completion processing when it has encountered an image copy that is followed by a LOAD RESUME LOG NO action. The rows added by the load action are not in the image copy, so the product cannot obtain valid images from the image copy or from the DB2 log (the load action was not logged). The product attempts to use other sources to complete any updates to the added rows. Processing continues, but the product might issue succeeding BMC097203 or BMC097408 “unable to complete” messages.

\textit{User response:} No immediate action is required. Examine your job's output to ensure that the product did not issue any succeeding completion error messages.

**BMC097601**

**ONGOING HANDLE RESET END RBA X’newRbaValue01’ IS LESS THAN THE END RBA X’prevRbaValue01’ OF THE PREVIOUS RUN**

\textit{Explanation:} The product is attempting to reset the start point of an existing ongoing log scan (ONGOING HANDLE \texttt{handleNumber} RESET). The log end point that the product has obtained from your range definition (TO keyword) is less than the end point of the previous ongoing run. The product requires that the most recent run of an ongoing log scan must have the most recent end point. This error frequently occurs when you specify both the OR LIMIT and RESET keywords. Processing terminates.

\textit{User response:} Your response depends on the results you need:

- If you need the start point to be what you specify in your range definition, edit your job to use the PURGE option of the RESET keyword and submit the job again. The product deletes information about previous runs of this ongoing log scan from the product’s Repository, but the start point will be exactly as you specify. Be aware that you might include transactions in your output that have already been included in a previous run of the log scan.

- If you need to avoid including previously-output transactions, adjust the end point specified in your range definition and submit the job again.
If you have specified both the OR LIMIT and RESET keywords, remove the OR LIMIT specification and submit the job again. Re-enter the OR LIMIT values for subsequent ongoing log scans after the reset action is complete.

**BMC097602**

**FROM OLD OBJECT DATASET INSERTS = nnnnnn, FROM OLD OBJECT DATASET UPDATES = nnnnnn**

*Explanation:* This informational message provides details about the number of updates made to the Old Objects Table during REPOS UPDATE processing. This message indicates how many changes came from an old objects data set. The product displays this message in conjunction with message BMC097475.

*User response:* No action is required.

**BMC097603**

**OLD OBJECT REPOSITORY TABLE ENTRY UPDATED/INSERTED**

*Explanation:* The product displays this informational message to detail, with succeeding messages, action against the Old Objects Table.

*User response:* No action is required.

**BMC097604**

**UNABLE TO QUALIFY SQL USING OVERRIDES WITH LOGICAL LOG INPUT**

*Explanation:* The SYSIN syntax of your job directs the product to use an alternate index in the WHERE clauses of generated SQL statements, but you have also specified that the product reads input from one or more logical log files. With logical log input, the product can use only the indexes that are defined in the logical log control files (those that were specified when the logical log was created). Processing continues using the indexes that are defined in the logical log input files.

*User response:* No action is required. To use the alternate indexes, either ensure that the alternate indexes are specified when the logical log is created or change the input source for your log scan.

**BMC097605**

**REQUIRED KEYWORD keyword01 NOT SPECIFIED WITH keyword02**

*Explanation:* The product issues this error message as it parses the SYSIN syntax of your job. The message indicates that one keyword in the syntax must be accompanied by a second keyword to complete a valid unit of syntax.

*User response:* Edit the SYSIN syntax (or redefine the work ID with the online interface) to add the required keyword, and submit the job again.

**BMC097606**

**productName INTERNAL ERROR - OPTIONS MISMATCH CODE (errorCode01- errorCode02)**

*Explanation:* The product has located the load module that contains BMC licensing information, but when the product attempted to validate the license information, it encountered the error condition represented by errorCode01 and errorCode02.

*User response:* Contact BMC Customer Support. Provide the number of this message and the values of errorCode01 and errorCode02.
BMC097607  productName DOES NOT HAVE A SECURITY TABLE
Explanation: The security table was not found in the normal library search.
User response: Ensure that the product was installed correctly and the library containing the security table is in the search list. If you cannot determine the reason for the error, contact BMC Customer Support.

BMC097608  productName I/O ERROR READING THE SECURITY TABLE
Explanation: The product was unable to read the security table from the load library.
User response: Ensure that the product was installed correctly and the library containing the security table is in the search list. If you cannot determine the reason for the error, contact BMC Customer Support.

BMC097609  productName TRIAL WILL EXPIRE IN nnn DAYS
Explanation: The product is running as part of a trial and has the indicated days remaining in the trial period.
User response: Contact your BMC sales representative to purchase a license for this product.

BMC097610  TRIAL HAS EXPIRED. productName IS NOT LICENSED FOR THIS CPU
Explanation: The product's trial period has expired.
User response: Contact your BMC sales representative to purchase a license for this product.

BMC097611  productName LICENSE WILL EXPIRE IN nnn DAYS
Explanation: The product is running as licensed, but the license will need to be renewed soon.
User response: Contact your BMC sales representative to purchase a license for this product.

BMC097612  LICENSE HAS EXPIRED. productName IS NOT LICENSED FOR THIS CPU
Explanation: The product's license has expired, or the product is being used contrary to the license.
User response: Contact your BMC sales representative to purchase a license for this product.

BMC097613  productName IS NOT LICENSED FOR THIS CPU
Explanation: The product is being used contrary to the license agreement.
User response: Contact your BMC sales representative to purchase a license for this product.
**BMC097614**  
**EXPANDVAR YES STATS:** numOfBytes **ADDITIONAL BYTES, AVERAGE averageBytes **BYTES PER LOGICAL LOG RECORD**

*Explanation:* This informational message displays the number of additional bytes that the product wrote into an output logical log file. The numOfBytes value includes two amounts of additional bytes:

- the number of additional bytes that the product used to expand VARCHAR fields to their maximum length
- The number of additional bytes that the product used to write extra logical log record headers in segmented logical log records

This message is produced only when the EXPANDVAR keyword is set to YES. The BMC097751 message displays the corresponding statistics for EXPANDVAR NO.

*User response:* No action is required.

**BMC097615**  
**ONGOING actionType SPECIFIED BUT DATA FOR WORKID 'userID.workIDName' HANDLE ID handleNumber WAS NOT FOUND IN THE REPOSITORY**

*Explanation:* The product displays this informational message as it attempts to reset the start point (and possibly purge data for previous runs of) an ongoing log scan. The product cannot find any data in its Repository for the specified work ID. The message displays which type of reset action you have specified. Processing continues. The product treats this job or job step as the first run of a new ongoing log scan.

*User response:* No immediate action is required. Verify that you have specified the correct combination of user ID, work ID, and ongoing handle ID. If you have specified the correct work ID, consider removing any reset specification (ONGOING HANDLE handleNumber RESET) before running the log scan again. (An ongoing log scan does not provide any benefit if you reset the start point or purge the previous run data for each execution.)

**BMC097616**  
**BACKOUT INTEGRITY REPORT MAY CONTAIN INCOMPLETE DATA OR NO DATA. SEE FOLLOWING MESSAGES**

*Explanation:* The product issues this warning message to tell you that a problem is preventing it from obtaining required information about the DB2 objects specified in your filter up to the current date and time. Succeeding messages provide more details about the problem. Processing continues.

*User response:* No immediate action is required. Examine your job's output for the succeeding error messages to determine whether the Backout Integrity report is valid.
BMC097617  REDO OR QUIETPOINT REQUESTED IN OVERTIME MODE AND A TABLE MATCHING A FILTER OBJECT WAS ENCOUNTERED

Explanation: REDO or QUIETPOINT processing require that the DB2 objects be named in the filter criteria. While processing in overtime execution mode, the product encountered a dropped object that matches the filter criteria.

User response: No action is required. However, REDO or QUIETPOINT processing might not be appropriate for dropped objects.

BMC097618  VERSION versionNumber DOES NOT EXIST IN ALPOLDO, ALTERED COLUMN CANNOT BE PROCESSED

Explanation: This product displays this warning message when it runs in overtime mode to update the Repository with object structure definitions (REPOS UPDATE). The product has encountered log records that reflect an ALTER COLUMN statement, but cannot process the statement for one of the following reasons:

- The Old Objects table of the Repository does not contain information about the structure (version) of the table as it existed before the column was changed.
- The structure of the table has been changed at least twice between the end point of your log scan and the start point of the DDL statements that created the current version of the table in the DB2 catalog.

A subsequent BMC097175 message displays the names of the affected table and column. The product continues processing, but ignores the log records that reflect the ALTER COLUMN statement. Because of this action, the product does not update the Repository with a structure definition of the table as it exists after the ALTER statement.

User response: No immediate action is required. To correctly update the Repository, expand the time frame of your log scan to include additional DDL statements that altered the structure of the table. Contact BMC Customer Support.

BMC097619  MAINT: productMaintenanceText

Explanation: This informational message displays a list of product maintenance fixes that have been applied to the load module that is currently running.

User response: No action is required. If your job does not complete successfully, you might need to provide this information to BMC Customer Support.

BMC097621  LAST ARCHIVE COULD NOT BE ACCESSED ON DB2 SUBSYSTEM/GROUP ssid

Explanation: The product is attempting to process your specification of LAST ARCHIVE as the end point of your log scan. To perform this action, the product must determine the end point of the most recent archive log file on the indicated DB2 subsystem or data sharing group. The product has encountered
an error. The most recent archive log file either does not exist or is not available. Processing terminates.

*User response:* Use the View DB2 System Log Information option of the product’s online interface to verify whether valid archive log files exist. If the product displays valid archive log files on screen, contact BMC Customer Support.

**BMC097622**

**DB2 ADMINISTRATION SOLUTION LICENSE CAN BE USED TO GENERATE OPEN TRANSACTION REPORTS ONLY**

*Explanation:* The product is running under a license provided as part of the BMC Database Administration for DB2 solution. Under these conditions, the product can generate only Open Transaction reports. Other forms of output are not supported. Your job or job step requests one of the unsupported forms of output. Processing terminates.

*User response:* Examine your job or job step to determine the requested forms of output. If you feel this message has been produced in error, contact BMC Customer Support.

**BMC097623**

**UNSUCCESSFUL OPEN USING PLAN planName ON DB2 SUBSYSTEM/ GROUP ssid**

*Explanation:* The product was unable to complete a connection with the indicated DB2 subsystem or data sharing group.

*User response:* Review the accompanying messages to determine the reason for the error. If you cannot correct the problem, contact BMC Customer Support.

**BMC097624**

**UNSUCCESSFUL CLOSE USING PLAN planName ON DB2 SUBSYSTEM/ GROUP ssid**

*Explanation:* The product was unable to complete a disconnection with the indicated DB2 subsystem.

*User response:* Review the accompanying messages to determine the reason for the error. If you cannot correct the problem, contact BMC Customer Support.

**BMC097625**

**ERROR DURING REGEN OF LOGICAL LOG FILTER DUE TO MIXED EXPAND VAR YES AND EXPAND VAR NO INPUT**

*Explanation:* The product is reading input from more than one logical log file and has encountered an error as it attempts to regenerate the filter. The problem might relate to factors other than the settings of the EXPAND VAR keyword for the different logical log files. The product cannot process the combined set of input. Processing terminates.

*User response:* Contact BMC Customer Support.
BMC097626  MISMATCHED DATA SHARING GROUPS ON LOGICAL LOG INPUT:
       group01 AND group02
Explanation: You specified multiple logical log input control files that were not all created on the same DB2 data sharing group.
User response: Correct the error and submit the job again.

BMC097627  REFERENCE ON CREATE/ALTER TABLE owner.tableName HAS COLUMNS
       SPECIFIED FOR INDEX owner.indexName THIS DDL CANNOT BE GENERATED
Explanation: DB2 allows tables to be referenced by using UNIQUE, but not PRIMARY, indexes. In such cases, the DB2 catalog row (SYSIBM.SYSRELS) contains an index name. However, the data definition language (DDL) syntax used in a REFERENCE clause uses column names, not index names. The product cannot determine the required column names based on the index name, and therefore cannot generate the required DDL statement.
User response: If migrating DDL, update the affected REFERENCE clause to include the column names before you process the DDL.

BMC097628  columnType TABLE SPACE recordType RECORDS PROCESSED nnnnnn
Explanation: This informational message displays statistics on the number of log records processed by the product that are related to DB2 columns that contain large volumes of data (such as XML or LOB columns). The possible values of the recordType depend on the type of the column that the message displays. For example, LOB-related log records can be either LOB Map Change records (MAP) or LOB Data Page Change records (DATA). Processing continues.
User response: No action is required.

BMC097629  STRING CONVERSION ERROR FOR INPUT CCSID ccsid01, OUTPUT CCSID ccsid02, REASON CODE reasonCode
Explanation: The product is calling a conversion procedure, utility, or translation table to translate characters between the displayed CCSIDs. The procedure has returned the error condition indicated by the displayed reason code. This message is frequently preceded by other messages that can indicate a cause for the problem. Processing terminates.
User response: Use any other related messages to diagnose the problem. If there are not other related messages, or if you cannot diagnose or correct the problem, contact BMC Customer Support.

BMC097630  CONFLICTING CCSID DEFINITIONS FOUND IN THE OLD OBJECT DATA SET. ccsid01 ON THE TABLE, ccsid02 ON THE TABLE SPACE
Explanation: An old objects data set was input with conflicting CCSID (ASCII/EBCDIC) definitions on the table space information versus the CREATE TABLE syntax.
User response: Correct the error and submit the job again.
BMC097631  ALL COLUMNS ON TABLE owner.tableName WERE LISTED IN AN EXCLUDE CLAUSE

Explanation:  You specified an EXCLUDE clause for an output file, but the EXCLUDE clause listed all columns of the table.

User response:  Correct the error and submit the job again. If you do not want a table included in the output for this log scan, you might include the following predicate as part of the filter: TBNAME <> owner.tableName.

BMC097632  UNABLE TO OBTAIN ALL DATA NEEDED FOR CREATING LOGICAL LOG CONTROL FILE RECORD TYPE llogRecordType. SEE FOLLOWING MESSAGES

Explanation:  The product is attempting to read logical log control information from a file, but one of the records in the input is missing or corrupted. The message displays the type of logical log control record that the product is attempting to read.

User response:  Use the information contained in succeeding messages to determine if your job has produced valid output.

BMC097633  STRING CONVERSION PROCEDURE procName NOT CURRENTLY SUPPORTED, INPUT CCSID ccsid01, OUTPUT CCSID ccsid02

Explanation:  The product is calling a conversion procedure or utility to translate characters between the displayed CCSIDs. The procedure has returned the error condition indicated by the displayed return code and reason code. Processing terminates.

User response:  Verify that the conversion procedure or utility defined for the displayed CCSIDs is the correct procedure and that it is available. If the procedure is valid and available, use the return and reason codes and any other related messages to diagnose the problem. If you cannot diagnose or correct the problem, contact BMC Customer Support.

BMC097634  STRING CONVERSION INFORMATION FOR INPUT CCSID ccsid01, OUTPUT CCSID ccsid02 NOT FOUND, REASON CODE reasonCode

Explanation:  The product is attempting to read conversion information to translate character strings, but cannot find any SYSSTRINGS conversion information for the displayed CCSIDs. Depending on the type of input to your job, the product is searching the DB2 catalog or an input logical log control file.

User response:  Verify if the required conversion information exists in the job's input source.

- If the input source is BSDS or specific DB2 log files, examine the SYSIBM.SYSSTRINGS table of the DB2 catalog. Ensure that a SYSSTRINGS record exists for the displayed pair of CCSIDs.

- If the input source is logical log files, examine the logical log control file. Ensure that the Sysstrings Base Record (DSS1) and the Sysstrings Transtable Record (DSS2) exist in the file.
If the required information does not exist, add records with the conversion information as needed. If the information does exist in the input source, contact BMC Customer Support.

**BMC097635** DEFAULT HEX VALUE INVALID: value

*Explanation:* The product has encountered a default HEX value in SYSIBM.SYSCOLUMNS, a DB2 catalog record, or an old objects data set that is invalid. The product cannot use the default value to generate logical log output that represents an ALTER ADD COLUMN action.

*User response:* Correct the error and submit the job again

**BMC097636** CONVERSION FUNCTION functionID HAD RETURN CODE returnCode, REASON CODE reasonCode

*Explanation:* The product is attempting to translate character strings, but the procedure that the product called to perform the conversion returned a warning or an error. The return code and reason code from the procedure are displayed in the message.

*User response:* Refer to the documentation for the conversion procedure. Use the displayed return code and reason code to determine the cause of the failure.

**BMC097637** USER SPECIFIED INDEX WILL BE USED FOR SQL GENERATION

*Explanation:* The product displays this informational message when it uses an alternate index in the WHERE clauses of the SQL statements that it generates for a given table. The columns in the alternate index were specified through the product’s online interface and stored in the product's Repository.

*User response:* No action is required.

**BMC097638** ERROR ESTABLISHING ESTAE FOR MODULE moduleName, RC=

*Explanation:* The product is unable to initialize the error recovery routine for one of its internal modules. Without this routine, the product cannot respond correctly to an abnormal termination. The message displays the name of the internal product module that is attempting to create the ESTAE. Processing terminates.

*User response:* If possible, use operating system messages to diagnose the reason for the failure. If you can correct the situation, submit the job again. If you cannot correct the situation, contact BMC Customer Support. Have the output available from the run of the product that encountered the error (including the dump in the ALPDUMP data set, if one was taken).

**BMC097639** LOG FOR DB2 MEMBER memberName ID memberNumber NOT REQUIRED FOR SCAN

*Explanation:* The filtered objects have had no activity on the indicated DB2 member.

*User response:* No action is required.
CONFLICTING OPTIONS IN STATEMENT - FOUND option01 WITH option02
Explanation: The product has encountered two conflicting syntax options.
User response: Correct the syntax and submit the job again.

_columnType_ TABLE SPACE _recordType_ PAGES PROCESSED nnnnnnn
Explanation: This informational message displays statistics on the number of pages that the product has processed during the run that are contained within certain types of log records. The log records relate to DB2 columns that contain large volumes of data (such as XML columns or LOB columns). These log records can require multiple pages to store their information. The possible values of _recordType_ depend on the type of the column that the message displays. For example, LOB-related log records can be either LOB Map Change records (MAP) or LOB Data Page Change records (DATA). Processing continues.
User response: No action is required.

INPUT LOGICAL LOG RECORDS SKIPPED DUE TO INCOMPLETE TRANSACTIONS = nnnnnnn
Explanation: This informational message displays statistics on the number of records that the product bypassed as it generated SQL statements. The product bypassed the records because they were either part of an incomplete transaction (URID) or part of a transaction that started after the incomplete transaction. Processing continues.
User response: No action is required.

outputType OUTPUT PROCESSOR SKIPPED nnnnnn RECORDS DUE TO INCOMPLETE TRANSACTIONS
Explanation: This informational message displays statistics on the number of records that the product bypassed as it generated the form of output indicated by _outputType_. The product bypassed the records because they occurred either in or after an incomplete transaction (URID). The product displays this message only for the output of an ongoing log scan. The log records will be included in a succeeding run of the log scan. Processing continues.
User response: No action is required.

INPUT LOGICAL LOG RECORDS SKIPPED DUE TO UNSUPPORTED VERSION = skipCount
Explanation: This informational message displays statistics on the number of records from an input logical log file that the product bypassed when all of the following conditions exist:

- The records represent data definition language (DDL) objects. (DDL objects in a logical log file are not the same as DDL statements in an output SQL file.)
- The records were generated by an earlier version of the product in a format that the current version cannot process.
Processing continues.

User response: No action is required.

**BMC097645**  
**INPUT LOGICAL LOG RECORDS SKIPPED DUE TO GENERATE MASS DELETE OPTION SET TO NO = skipCount**

*Explanation:* This informational message displays statistics on the number of records from an input logical log file that the product bypassed because

- the logical log records reflect a “mass delete” action that occurs as part of a LOAD REPLACE LOG NO action
- the value of the GENMDEL installation option or the GENERATE MASSDELETE keyword of the OPTION statement is NO

Processing continues.

User response: No action is required.

**BMC097646**  
**LOGICAL LOG CONTROL FILE VERSION versionNumber IS UNKNOWN**

*Explanation:* The product has read the version information in a logical log control file. Either the version information is corrupted or the version of the logical log control file cannot be interpreted by the current product.

User response: Contact BMC Customer Support.

**BMC097647**  
**LOGSCAN TRUNCATED TO COMMON LOG POINT LRSN: lrsnValue TIMESTAMP: timeValue**

*Explanation:* The product displays this informational message to indicate that it has located and is using a common end point that is before the end point of the range definition that you entered.

The product displays this message only in a data sharing environment and only when it has been directed to use the lowest common end point in the logs of all members of the current data sharing group (when either the MINLOGPT installation option or the MINLOGPT keyword of the OPTION statement is set to a value of YES).

User response: No action is required.

**BMC097648**  
**OPTION MINLOGPT CONVERTED TO YES FOLLOWING SYSLOG RANGE SCAN**

*Explanation:* The product displays this informational message when it has (in effect) changed the setting of the MINLOGPT keyword of the OPTION statement to a value of YES. The product issues this message only in a data sharing environment and only for a log scan that is an ongoing process. The product takes this action to ensure that the end point of the ongoing log scan is
common to all members of the data sharing group, so that any succeeding runs of the ongoing process can use a start point that is consistent for all members.

**User response:** No action is required.

**BMC097649**

**OPTION USELGRNG SKIPPED - REASON: reasonCode**

**Explanation:** The product displays this informational message when the installation option USELGRNG is set to YES, but the product has ignored this setting for one of several possible reasons. The text included in reasonCode indicates the reason for the product's decision. One common reason is that the DB2 environment is not a data sharing subsystem. (USELGRNG is intended for use in data sharing environments.)

**User response:** No action is required.

**BMC097650**

**outputType WAS SPECIFIED REQUIRING LOG PROCESSING TO CURRENT TIME**

**Explanation:** The product displays this informational message to alert you that you have requested at least one type of output that requires the product to change the end point of your log scan. Some forms of output (for example, a Backout Integrity report or REDO SQL) require the product to scan the DB2 log up to the current time, regardless of the end point that you specify. This behavior causes the product to process more log records than you might expect. Processing continues.

**User response:** No action is required.

**BMC097651**

**STRING TRUNCATED AFTER CONVERSION, INPUT CCSID ccsid01, OUTPUT CCSID ccsid02**

**Explanation:** The product has translated a character string from the input CCSID to the output CCSID, but the character string appears to be truncated after conversion.

**User response:** Examine the outputs of your jobs to determine if the string is truncated and if the truncation invalidates the output.

**BMC097652**

**NO EXTERNAL SECURITY AVAILABLE**

**Explanation:** The product is honoring DB2 security at the table level, but cannot detect any external security (for example, the DSNX@XAC exit, e Trust CA-ACF2 for DB2, or e Trust CA-Top Secret for DB2). The product will check DB2 authorization tables normally.

**User response:** No action is required.

**BMC097653**

**securityType EXTERNAL SECURITY ACTIVE**

**Explanation:** The product is honoring DB2 security at the table level and has detected and initialized the available external security. The product will allow access to DB2 tables based upon direction from the external security software.
that is indicated in the message (for example, the DSNX@XAC exit, e Trust CA-ACF2 for DB2, or e Trust CA-Top Secret for DB2).

User response: No action is required.

**BMC097654**  
**INCLUDE TRIGGER NOT VALID BECAUSE INPUT TYPE IS inputTypeText V versionNumber**

*Explanation:* The SYSIN syntax of your job or job step directs the product to generate SQL statements that either include or exclude log records that result from trigger activity (INCLUDE TRIGGER). The product displays this message when the input files do not contain the information needed to distinguish trigger records. This message can occur because

- input DB2 log files (either from the BSDS or INPUT DB2LOG) were generated by a version of DB2 earlier than version 8.1

- logical log input files were generated by a version of Log Master earlier than 7.3.00, running against a version of DB2 earlier than version 8.1

Depending on the version of DB2 and the setting of INCLUDE TRIGGER, the product can issue an informational or warning message. The product ignores the INCLUDE TRIGGER specification and continues processing.

User response: No action is required.

**BMC097655**  
**UNABLE TO OBTAIN LOG FILE INFORMATION FOR 'logPointType' RBA X'rbaValue'**

*Explanation:* The product is attempting to process your specification of the range of your log scan. The product has encountered an error as it attempts to read log file information from the bootstrap data set (BSDS) and cannot determine the log scan’s start point or end point. (The message displays which point triggered the error.) Processing terminates.

User response: If your input contains an error in a date or time value, correct it and submit the job again. Otherwise, run the DSNJU004 utility against the BSDS to verify whether the date or time value in question exists. If no DB2 log corresponds to the date or time, specify RBA/LRSN values as the start point or end point and submit the job again. If valid DB2 log corresponds to the date or time, then an internal error has occurred within the product. Contact BMC Customer Support.

**BMC097656**  
**THE RANGE END POINT WAS CHANGED BY THE LIMIT FROM rangeDefTimeStamp TO orLimitTimeStamp**

*Explanation:* The product displays this informational message when you specify the OR LIMIT keyword with a date or time value. The calculated timestamp obtained from the OR LIMIT keyword is less than the calculated timestamp obtained from the TO keyword. The product uses the OR LIMIT
value and adjusts the end point to the timestamp displayed in the message. Processing continues.

*User response:* No action is required.

**BMC097657**  
**RANGE LIMIT IGNORED BECAUSE LIMIT TIMESTAMP *onLimitTimeStamp* WAS HIGHER THAN TO TIMESTAMP *rangeDefTimeStamp***

*Explanation:* The product displays this informational message when you specify the OR LIMIT keyword with a date or time value. The calculated timestamp obtained from the OR LIMIT keyword is greater than the calculated timestamp obtained from the TO keyword. The product uses the specified TO value as the end point of your log scan. Processing continues.

*User response:* No action is required.

**BMC097658**  
**DB2 AUTHORIZATION CHECKING INITIALIZED***

*Explanation:* The product displays this informational message when it is honoring DB2 security at the table level.

*User response:* No action is required.

**BMC097659**  
**ACCESS TO LOG RECORDS FOR ONE OR MORE TABLES DENIED DUE TO AUTHORIZATION CHECKING***

*Explanation:* The product displays this informational message when it has suppressed some log records that would have been selected because the job lacked authorization. If the installation option AMSGLEV is set to 2, a BMC097660 message is generated for each DB2 table that the job was denied access to.

*User response:* No action is required.

**BMC097660**  
**TABLE *owner.tableName* HAD nnnnnn LOG RECORDS SUPPRESSED***

*Explanation:* This informational message displays the number of log records that the product suppressed because of DB2 security checking for the specified table.

*User response:* No action is required.

**BMC097661**  
**KSMEMORY SPECIFIED IS GREATER THAN AVAILABLE REGION ABOVE 16 MEGABYTE LINE***

*Explanation:* The product issues this message if the amount of memory available above the 16-MB line is not large enough to contain the key store memory area. You can specify the size of the key store memory area by using the KSMEMORY installation option or by using the STOREOPTS MEMORY statement.

*User response:* If the product produces a BMC097662 message, no action is required.

If the product does not produce a BMC097662 message after this message, there was not enough available memory above the 16-MB line to contain a reasonable
key store memory area and enough room for the log scan itself. Either increase the job or step REGION size, or lower the size specified for the key store memory area (using the KSMEMORY installation option or the STOREOPTS MEMORY statement).

**BMC097662**
**KSMEMORY WAS nnnnnn K AND HAS BEEN ADJUSTED TO nnnnnn K**

*Explanation:* The product displays this informational message when it has automatically adjusted the size of the key store memory area down because of the memory shortage described in a BMC097661 message.

*User response:* No action is required.

**BMC097663**
**DB2 AUTHORIZATION CHECKING IS NOT ACTIVE DUE TO DSNZPARM/DSN6SPRM BEING SET TO 'D'ISABLE**

*Explanation:* The product displays this informational message when it does not honor DB2 security at the table level because of DSNZPARM settings.

*User response:* No action is required.

**BMC097664**
**DROPRECOVERY PROCESSING WAS UNSUCCESSFUL FOR objectName**

*Explanation:* The product cannot successfully complete drop recovery processing for the specified object. Succeeding messages explain the reason for the failure.

When you receive this message with severity indicator W, the required CHECK step was not provided in the drop recovery JCL, and processing continues. For other severity indicators, processing terminates.

*User response:* Take one of the following actions depending on the severity indicator for the message, and then submit the job again:

- If the message includes the W severity indicator, insert a step into the JCL to run a Check Data utility to take the table spaces out of check pending status.
- For other severity indicators, ensure that the object is properly referenced and that your specified time frames (the start points and end points of your log scans) encompass the time when the object was dropped.

**BMC097665**
**DROPRECOVERY TABLE(SPACE) tableName OR tableSpaceName HAS NOT BEEN RECREATED**

*Explanation:* The product was unable to locate the specified table or table space in the DB2 catalog, so it cannot generate the necessary OBIDXLAT parameters. This error message is sometimes displayed when you have failed to execute the data definition language (DDL) statements that the product generates to recreate the structures of the dropped objects.

*User response:* Correct the problem and then submit the job again.
BMC097666 SQLXLAT DDNAME (*ddname*) IS NOT PRESENT IN THE JCL

*Explanation:* The product requires access to the data set referenced by the specified DD name, but the data set is not defined in the JCL.

*User response:* Correct the problem and then submit the job again.

BMC097667 AUTOMATION OF DROP RECOVERY NOT POSSIBLE DUE TO: *errorType*

*Explanation:* The product is unable to automate the specified drop recovery action. Possible values for *errorType* include the following:

- **ALL XLAT OBIDS WERE NOT RESOLVED**
  This reason indicates that the product cannot resolve all translated object IDs (OBIDs).
  Often this reason indicates that the data definition language (DDL) statements required to re-create dropped objects have not been executed. Because the new versions of the objects have not been created, the product cannot obtain the OBIDs for the new objects and cannot automate the drop recovery action. The product can generate these DDL statements as part of the drop recovery action or you can obtain and execute them yourself.
  If the product generates the DDL statements, either perform the entire drop recovery action again (specifying the EXECUTE keyword in the RECREATE DATASET clause of the DROPRECOVERY statement) or execute the generated DDL statements yourself and then perform the drop recovery action again, omitting the RECREATE DATASET clause of the DROPRECOVERY statement.
  If you obtain the DDL statements, ensure that you execute them before you start the drop recovery action.

- **FOREIGN KEYS FOUND ON DROPPED TABLE. CHECK REQUIRED**
  This reason indicates that the product encountered a foreign key on the table that you asked it to recover (the table is part of a referential integrity constraint).
  After the product recovers any tables or table spaces that are part of referential integrity constraints, DB2 places the table spaces into check pending status. Log Master can generate the CHECK commands to remove the check pending status in most cases. For information about the exceptions, see the section on troubleshooting automated drop recoveries in *Log Master for DB2 User Guide*.

- **IMAGE COPY(S) NOT AVAILABLE**
  Often this reason indicates that records of image copies related to a dropped object were deleted from the SYSIBM.SYSCOPY table of the DB2 catalog (by using a DB2 Modify utility) before the object was dropped. Because of this action, the unit of recovery that includes the drop does not contain the normal log records related to the SYSCOPY table. The product cannot locate the required image copy and cannot automate the drop recovery action. If
you have the required image copy available, edit the RECOVER PLUS syntax generated by the product and specify the data set containing the required image copy with the INCOPY keyword.

- **LOG NO UTILITY RAN WITHIN RECOVER RANGE**
  This reason indicates that a DB2 utility was run using the LOG NO option during the time between the applicable image copy that contains your DB2 objects and the point when your objects were dropped.

- **LOG ONLY SPECIFIED**
  This reason indicates that you specified a drop recovery action that requires RECOVER PLUS to use only data from log records to perform the recovery. The product assumes that you use your own methods (such as backups outside of DB2) to perform the initial recovery of the dropped objects before RECOVER PLUS applies data from log records.

  The product cannot automate the drop recovery action because you must modify the JCL before the entire job can be run. To respond to this condition, modify the JCL to insert a job step to perform the initial recovery of the dropped objects. For details, look for information about troubleshooting automated drop recoveries in the section, “Recovering Dropped Objects,” in the Log Master for DB2 User Guide.

- **NAMED DROPPED OBJECT NOT FOUND IN LOG**
  This reason indicates that the product cannot find one of the specified dropped objects in the scanned portion of the DB2 log.

  Normally this reason indicates that the time frame that you specified with the FROM and TO keywords does not include the point when at least one of your specified objects was dropped. The product cannot automate the drop recovery action. Determine the time when the objects were dropped more precisely. Perform the drop recovery action again with a more accurate time frame.

- **POINT IN TIME RECOVERY WITHIN RECOVER RANGE**
  This reason indicates that a point-in-time (PIT) recovery occurred during the time between the applicable image copy that contains your DB2 objects and the point when your objects were dropped.

- **TABLESPACE FOR DROPPED TABLE HAS MULTIPLE TABLES DEFINED**
  The product cannot automate the drop recovery action because doing so would overwrite data in the other tables within the table space. To respond to this condition, modify the JCL to set the INDEP keyword to YES, or to specify a different table stored in a different table space.

  This reason indicates that you specified a drop recovery action to recover an individual table without using temporary copies of the table and table space (INDEP NO). The product supports this type of drop recovery action to save time when a table space contains a single table. However the table you specified is stored in a table space with multiple tables.
The product cannot automate the drop recovery action because doing so would overwrite data in the other tables within the table space. To respond to this condition, modify the JCL to set the INDEP keyword to YES, or to specify a different table stored in a different table space.

- **TABLESPACE FOR DROPPED TABLE NOT IN DB2 CATALOG**
  This reason indicates that the product cannot find the table space that originally contained a dropped table in the DB2 catalog.
  Normally this reason indicates that you are attempting to recover a dropped table, but the table space that originally contained the table has also been dropped. The product cannot automate the drop recovery action. Determine which table space contained the dropped table, when that table space was dropped, and perform a drop recovery action for the required table space.

- **TEMPORARY TABLESPACE FOR DROPPED TABLE NOT IN DB2 CATALOG**
  This reason indicates that the product cannot find a table space (specified in your drop recovery action as a “holder” for the temporary copy of a dropped table) in the DB2 catalog. Often this reason indicates that the data definition language (DDL) statements to create the temporary table space have not been executed. The product can generate these DDL statements as part of the drop recovery action or you can create them yourself. See “ALL XLAT OBIDS WERE NOT RESOLVED” earlier in this error message explanation.

- Any of the following reasons:
  - **REBUILD INDEX REQUIRED ON TEMPORARY LOB AUX TABLE FOR DROPPED TABLE WITH LOB COLUMN**
  - **CHECK REQUIRED FOR DROPPED LOB TABLESPACE**
  - **CHECK REQUIRED ON TEMPORARY TABLESPACE FOR DROPPED LOB TABLESPACE**
  - **CHECK REQUIRED FOR DROPPED TABLESPACE WITH XML/LOB TABLE**
  - **CHECK REQUIRED ON TEMPORARY TABLESPACE FOR DROPPED TABLESPACE WITH XML/LOB TABLE**

The CHECK output was not specified in the drop recovery JCL. The product must run a CHECK after recovering the object to take the object out of check pending status and avoid an SQLCODE -904 error when accessing the recovered object.

**User response:** Correct the problem and then submit the job again.
**BMC097668**

*filterPredicate FILTERING IS ONLY VALID FOR logscanOutputType*

*Explanation:*

The product displays this message when it encounters an invalid combination of filter predicate and log scan output type. For example, the product can filter on catalog objects and catalog activity types only when you are generating a Catalog Activity report or data definition language (DDL) statements. It can filter on DB2 commands only when you are generating a DB2 command report.

*User response:* Edit the SYSIN syntax (or redefine the work ID with the online interface) to correct the problem and submit the job again.

**BMC097669**

**DUPLICATE LOAD DATASET DETECTED DUE TO TRUNCATION OR TO SPECIFICATION ERROR**

*Explanation:* When the SEPARATE DATASETS keyword is set to YES, the product uses symbolic substitutions as it generates the data set names of load files and load control files. In some cases, when the symbolic substitutions are resolved, the resulting data set name is longer than 44 characters. The product truncates such data set names to the valid length. This message indicates that after the truncation is performed, the resulting data set name is the same as the name of another generated data set.

*User response:* Adjust the constant portion of the load file or load control file data set names to avoid truncation and make each of the resulting data set names unique.

**BMC097670**

*nmmnnnn ROWS WERE WRITTEN TO THE REPOSITORY FOR RECOVERY ANALYSIS*

*Explanation:* The product displays this informational message when it has written the specified number of rows into the Recovery Analysis Output Table (ALPRCVM) of the Repository. The BMC product RECOVERY MANAGER for DB2 can use this information to make decisions that speed up transaction recovery.

*User response:* No action is required.

**BMC097671**

*encryptedCopyErrorText returnCode reasonCode*

*Explanation:* The product displays this informational message when it encounters an error as it attempts to use supporting software that processes encrypted image copies or their associated key data sets. The message includes a text description of the error, along with the associated return code and reason code.

Processing continues, but the product does not use any encrypted image copies for row completion processing or to obtain compression dictionaries.

*User response:* No action is required. If your job or job step requires information that is available only in an encrypted image copy, use the information in this message to correct the problem and submit the job again. If
you cannot determine the cause of the problem or correct it, contact BMC Customer Support.

**BMC097672**  
**INVALID IMAGE COPY TYPE SPECIFIED - FOUND value -EXPECTING FULL OR INCR**  
*Explanation:* The product has encountered an image copy with a copy type other than full or incremental. The product can process only full and incremental image copies.  
*User response:* Remove all image copies that are not full or incremental and submit the job again.

**BMC097673**  
**INVALID KEYWORD INLINE FOUND FOR INCREMENTAL IMAGE COPY**  
*Explanation:* The product has encountered the INLINE keyword in syntax that specifies an incremental image copy. This keyword is valid only with full image copies.  
*User response:* Remove the keyword to correct the problem and then submit the job again.

**BMC097674**  
**TABLESPACE databaseName.tableSpaceName EXCLUDED FROM RECOVER SYNTAX GENERATION DUE TO BEING RECREATED AS DEFINE NO**  
*Explanation:* The product displays this informational message during an automated drop recovery action as it generates syntax for the BMC product RECOVER PLUS or for DSN1COPY. The table space displayed in the message was created with the DEFINE keyword set to NO, indicating that the underlying data sets for the table space are not physically created until data is inserted into the table space. Other DB2 information indicates that the table space did not contain any data when it was dropped. The product generates data definition language (DDL) statements to create the table space again (as a DEFINE NO table space), but does not generate syntax to recover data into underlying data sets. Processing continues.  
*User response:* No action is required.

**BMC097675**  
**MULTI-URID CHECKPOINT RECORD TOTAL LENGTH IS NOT DIVISIBLE BY THE LOG RECORD LENGTH**  
*Explanation:* The product displays this informational message when it has encountered a checkpoint record that probably contains more than one open URID, resulting in an atypical record length.  
*User response:* No action is required.

**BMC097676**  
**TOTAL llogRecordType WRITTEN numOfRecords**  
*Explanation:* The product displays this informational message to provide the number of records that the product has written to an output logical log file. The product displays this message for the total number of logical log records and the number of records that represent data definition language (DDL) objects.
(DDL objects in a logical log file are not the same as DDL statements in an output SQL file.)

*User response:* No action is required.

**BMC097677 TOTAL DICTIONARIES dictStatGroup nnnnnn**

*Explanation:* This informational message displays statistics about the compression dictionaries that the product processes during your job. To manage the process of decompressing log records that relate to compressed table spaces, the product maintains several internal lists of queued compression dictionary pages. The product displays this message multiple times to display the numbers of dictionaries in different lists. The `dictStatGroup` value indicates the list or group of dictionaries for each total value. If this message displays large numbers of dictionaries that are deleted or reloaded, it can indicate that the value of the current dictionary memory limit (DICTSPC) is too small. Processing continues.

*User response:* No action is required.

**BMC097678 ERROR TRYING TO LOCATE PAGESET IN listName DICTIONARY LIST**

*Explanation:* The product is unable to find a specific compression dictionary in the list of queued compression dictionary pages that the product maintains.

*User response:* Contact BMC Customer Support.

**BMC097679 LOAD RECORD SIZE recLength01 EXCEEDED LOAD DATASET LRECL recLength02 WHILE PROCESSING columnType COLUMN columnName**

*Explanation:* The product displays this message when you have included column data in an output load file from large volume DB2 columns (such as XML columns or LOB columns). The SYSIN syntax of your job or job step does not specify external files for the data. The product attempts to include the data within the output load data file. The length of at least one generated load record is longer than one of the following lengths:

- the logical record length (LRECL) of the load data file
- the limit on a load data record imposed by your version of DB2, for example 32K

Processing terminates.

*User response:* To include the longer column data, specify external files for your data (by using the applicable keyword of the LOGSCAN statement) and submit the job again. Remember that if you specify an external file for one large volume column, you must specify files for all columns associated with the same base table.
BMC097680  INPUT LOGICAL LOG NOT VALID WITH ONGOING LOGSCAN

Explanation: The product displays this message when it is processing an ongoing log scan and the input source for the log scan is defined as logical log files. Ongoing log scans normally obtain input from the bootstrap data set (BSDS). The product does not support this combination of input source and processing type. Processing terminates.

User response: Edit the SYSIN syntax (or redefine the work ID with the online interface) to change one of the two conflicting specifications. To process the input logical log files, remove the specification of ongoing processing. For an ongoing log scan, select the BSDS as the input source. Submit the job again.

BMC097681  TOTAL dictSizeGroup nnnnnn K

Explanation: This informational message displays statistics about the size of the compression dictionaries that the product processes during your job. To manage the process of decompressing log records that relate to compressed table spaces, the product maintains several internal lists of queued compression dictionary pages. The product displays this message multiple times to display the sizes of dictionaries in different lists. The dictSizeGroup value indicates the list or group of dictionaries for each size value. The product displays all size values in kilobytes (K). Processing continues.

User response: No action is required.

BMC097682  BYPASSLL OPTION IGNORED. LOGSCAN INCLUDES OUTPUT FOR OTHER THAN SUMMARY REPORT

Explanation: This warning message indicates that the current value of the BYPASSLL installation option is YES. This value causes the product to exclude the INSERT log records that result when a DB2 Load utility is run with the LOG option set to YES. The value ensures that a generated Summary report is more concise. However the current log scan also includes other forms of output. The product restricts the scope of the BYPASSLL option to only Summary reports because other forms of output might not be valid without the INSERT log records. The product ignores the option and continues processing. The generated Summary report includes the INSERT log records.

User response: No immediate action is required. To obtain the Summary report (without the INSERT log records) and the additional forms of output, add an additional log scan to your work ID that contains only the Summary report. Retain the other forms of output in the original log scan. Submit the job again.

BMC097683  RANGE LIMIT IGNORED. THE LIMIT END RBA X'orLimitRbaValue' IS compareType THAN THE RANGE logPointType RBA X'rangeDefRbaValue'

Explanation: The product displays this informational message when you specify the OR LIMIT keyword with a number of log files. The calculated end point obtained from the OR LIMIT keyword is either greater than the end point determined by the TO keyword or less than the log scan's start point (which would define an invalid scan range). The message displays which situation the
product has encountered. The product uses the specified TO value as the end point of your log scan and processing continues.

*User response:* No action is required.

**BMC097684**  
**RANGE LIMIT OF nnn LOG FILES IGNORED BECAUSE NO LOG FILES EXIST AFTER THE SPECIFIED START RBA X'rangeDefRbaValue'**

*Explanation:* The product displays this informational message when you specify the OR LIMIT keyword with a number of log files. The product attempts to calculate an end point that is after the log file that contains your specified start point, but cannot find or cannot obtain information about any log files that cover a period after your start point. The product uses the specified TO value as the end point of your log scan. Processing continues.

*User response:* No action is required.

**BMC097685**  
**VERSIONED RECORDS HAVE BEEN OUTPUT AT VERSION workingVersion, NEW VERSION IS newVersion**

*Explanation:* The product displays this message when it is running in overtime mode and processing log records that relate to a DB2 object that is not currently in the DB2 catalog (a dropped object). The product has already processed log records that relate to the version of the object represented by *workingVersion* and generated output based on them. After generating the output, the product has encountered log records that relate to an updated version of the object (*newVersion*). The Old Objects table of the Repository does not contain an object structure definition for the newer version and the DB2 catalog contains no structure definition because the object has been dropped. A subsequent BMC097175 message displays the name of the affected object. Processing terminates.

*User response:* Run a log scan to update the product's Repository with object structure definitions related to the dropped object (REPOS UPDATE). Specify a time frame that covers the period during which the object was dropped or altered. After you successfully update the Repository, submit the current job again.

**BMC097686**  
**VERSION INFORMATION IS INCOMPLETE**

*Explanation:* The product displays this message when it is running in overtime mode and processing log records that relate to a DB2 object that is not currently in the DB2 catalog (a dropped object). The product has encountered log records that relate to a version of the object other than version zero, but the Old Objects table of the Repository contains only version zero information (object structure definition). A subsequent BMC097175 message displays the name of the affected object. Processing terminates.

*User response:* Run a log scan to update the product's Repository with object structure definitions related to the dropped object (REPOS UPDATE). Specify a time frame that covers the period during which the object was dropped or altered. After you successfully update the Repository, submit the current job again.
**BMC097687**  
*RUNSEQ runSeqNumber DOES NOT EXIST FOR PREVIOUS RUN OF ONGOING WORKID 'userId.workIDName' HANDLE handleNumber*

*Explanation:* The product is attempting to re-execute or use the start point of a previous run of an ongoing log scan (RERUN RUNSEQ or USE RUNSEQ), but information in the product's Repository about the previous run is not complete. This situation can occur when the previous ongoing run did not complete successfully. The product cannot acquire the information it needs to run the log scan. Processing terminates.

*User response:* Edit the SYSIN syntax (or redefine the work ID with the online interface) to refer to a *successful* execution of the ongoing log scan. Submit the job again.

**BMC097688**  
*columnType DATASET dataSetName SAVED DUE TO actionType*

*Explanation:* The product issues this informational message when a temporary VSAM file is saved permanently to disk. The product generates temporary VSAM files when your output includes column data from DB2 columns that contain large volumes of data (such as XML columns or LOB columns). The temporary files are not saved to disk unless one of the following circumstances are true:

- the output of a log scan includes an output logical log file
- the value of either the applicable “duplicate data set” installation option or the syntax keyword is ERROR and the product has encountered a duplicate data set condition as it attempts to allocate the file

The *actionType* text indicates the reason for saving the VSAM file. Processing continues, but if a duplicate data set error has occurred, processing might terminate shortly.

*User response:* If the log scan includes an output logical log file, this message is normal and no action is required. If a duplicate data set condition has occurred, resolve the data set conflict and submit the job again. To avoid duplicate data sets, consider using symbolic values such as &DATE and &TIME in the prefix that you define for the VSAM file names.

**BMC097689**  
*REDO SQL/REPORT REQUESTED BUT REDO FROM POINT NOT SPECIFIED*

*Explanation:* You have directed the product to generate either REDO SQL or a report containing REDO information, but you have not specified a start point where the product can begin generating the REDO information (also called the REDO recovery point).

*User response:* Edit the SYSIN syntax (or redefine the work ID with the online interface) to specify a REDO recovery point and submit the job again.

**BMC097690**  
*WAITING BECAUSE DB2 LOG FILE dataSetName IN EXCLUSIVE USE*

*Explanation:* The product displays this informational message as it attempts to allocate an archive log file again. The product issues this message when it
allocates an archive log file, but then finds that the file is being exclusively used by another job or user.

*User response:* No action is required.

**BMC097691**  
**WAITING ON UNIT TO BECOME AVAILABLE FOR DB2 LOG FILE**  
*dataSetName*

*Explanation:* The product displays this informational message as it attempts to allocate a DB2 log file again. The product issues this message when it attempts to allocate a DB2 log file, but finds that all units are unavailable. The product issues this message only if the value of the UNITWAIT installation option is YES.

*User response:* No action is required.

**BMC097692**  
**LOG FILE COPY (RBA RANGE X'logPoint01' TO X'logPoint02') NOT USED - TRUNCATED BEFORE RBA X'logPoint03'**

*Explanation:* The product issues this message when it attempts to use an active log file, but finds that the file is smaller than the other (dual, or secondary) active log file. The product continues processing using the larger active log file.

*User response:* If the product continues to the normal end of processing, no action is required.

**BMC097693**  
**ARCHIVE LOG dataSetName01 SHORTER THAN LOG dataSetName02. BOTH START AT RBA X'logPoint'**

*Explanation:* The product issues this message when it attempts to use an archive log file, but finds that the file is not the same size as the other (dual, or secondary) archive log file. This situation is extremely rare. This error message describes a situation in which two copies of an archive log are not equivalent. This situation should never happen.

This error message describes a situation in which two copies of an archive log are not equivalent. This situation should never happen.

*User response:* Contact BMC Customer Support. Have the output from the run of the product ready (including the dump in the ALPDUMP data set, if one was taken).

**BMC097694**  
**LOGICAL LOG RECORD TOO SHORT, LENGTH FOUND: lengthFound, LENGTH REQUIRED: lengthRequired**

*Explanation:* The product has encountered an error in the format of the logical log control file.

*User response:* Verify the format of the file indicated in the following BMC097696 or BMC097697 message.
READ FAILURE

Explanation: The product has encountered an error as it attempts to read a file.
User response: Obtain more information from succeeding BMC097696 or BMC097697 messages. You can also examine the system output for additional messages. Verify the file indicated in the messages to determine the cause of the read failure.

DATASET: dataSetName

Explanation: This informational message displays the name of a data set that the product was unable to read, or which was used for a queue node offload (as indicated in a preceding message).
User response: Examine the data set indicated in this message to determine the cause of the read or write failure.

PREVIOUS ONGOING RUN END RBA '<rbaValue>' IS EQUAL TO THE TORBA OF THE SELECTED RANGE

Explanation: The product displays this message as it processes an ongoing log scan with an end point that you specified as a date and time (or RBA/LRSN) value. As part of normal ongoing processing, the product has set the start point of the current run equal to the end point of the previous run. However the specified end point of the current run is the same as the adjusted start point. In effect, you have defined a log scan of zero length. Processing terminates.
User response: Adjust the end point of the current ongoing log scan and submit the job again. (If you are trying to execute the previous run again, consider using the RERUN LASTRUN syntax of the LOGSCAN statement.)

WRITE FAILURE

Explanation: The product has encountered an error as it attempts to write data to a file.
User response: Obtain more information from succeeding BMC097696 or BMC097697 messages. You can also examine the system output for additional messages. Verify the file indicated in the messages to determine the cause of the write failure.

Messages BMC097700 through BMC097799

This group includes messages for the Log Master for DB2 product.
BMC097700  USELOGS= OPTION INVALID, VALID OPTIONS ARE: ACT1, ACT2, ARCH1, ARCH2 -- FOUND: text

Explanation: The product issues this message when it attempts to implement the value of the USELOGS installation option. The message indicates that the entered value is not valid USELOGS syntax.

User response: Examine the current installation options module (xxx$OPTS) being used for the job. Verify that you have entered valid syntax. The installation options module name is ALP$OPTS.

BMC097701  DUPLICATE columnType VSAM DATASET FOUND, actionType

Explanation: The product issues this message when it encounters a duplicate data set condition as it attempts to allocate a VSAM file. The product generates temporary VSAM files when your output includes column data from DB2 columns that contain large volumes of data (such as XML columns or LOB columns). The action that the product takes (and the severity of this message—informational, warning, error) depend on the value of either the applicable “duplicate data set” installation option or syntax keyword.

The actionType text indicates whether the product deletes or retains the existing data set. Depending on the value of the installation option or keyword, processing can continue or terminate.

User response: If the value of the installation option or keyword is INFO or WARN, no action is required. If the value is ERROR, resolve the data set conflict and submit the job again. To avoid duplicate data sets, consider using symbolic values such as &DATE. and &TIME. in the LOB VSAM file name prefix that you define.

BMC097704  columnType actionType FAILED ON DATASET dataSetName WITH CODE reasonCode

Explanation: The product displays this message when it encounters an error condition as it attempts to read or write to a temporary VSAM file. The actionType text indicates what action the product was attempting when it encountered the error (for example, inserting or retrieving data). The columnType value indicates which type of large volume column (such as an XML or LOB column) the product was processing when it encountered the error condition. Processing terminates.

User response: Use the information in this message and surrounding messages to diagnose and correct the problem. For more information about the specified reason code, consult the appropriate IBM documentation. If you need assistance, contact BMC Customer Support.
BMC097705  **DATASET dataSetName SUCCESSFULLY RECALLED FROM MIGRATION LEVEL level**

*Explanation:* The product displays this informational message as it recalls the specified data set from the indicated migration level by using the storage management subsystem in your environment.

*User response:* No action is required.

BMC097706  **DATASET dataSetName SUCCESSFULLY MIGRATED TO MIGRATION LEVEL level**

*Explanation:* The product displays this informational message when it has migrated the specified data set to the indicated migration level by using the storage management subsystem in your environment.

*User response:* No action is required.

BMC097707  **action FAILED FOR dataSetName RETURN CODE = returnCode, REASON CODE = reasonCode**

*Explanation:* The product displays this informational message when it could not complete the specified action on the indicated data set. The product receives the return code and reason code from the storage management subsystem in your environment.

*User response:* Refer to the appropriate documentation for your storage management subsystem to interpret the return code and reason code. There might be additional messages in the JESLOG of the job, or additional messages might be displayed on the terminal of the person who submitted the job. Additional messages might also be in the storage management subsystem log. You might need to contact your storage management administrator.

BMC097708  **MIGRATE REQUEST FOR DATASET dataSetName ISSUED**

*Explanation:* The product displays this informational message when it has issued a migrate request for a data set managed by the IBM product DFSMSHsm. The product continues processing while DFSMSHsm processes the migrate request. This message also indicates that the product did not include the WAIT parameter in its migrate request. The current job might finish processing before the migrate request is completed.

*User response:* No action is required.

BMC097709  **NO IMAGE COPY AFTER sysCopyEvent, AT X’rbaValue01’, AND BEFORE THE RECORDED QUIESCE AT X’rbaValue02’ FOR databaseName.tableSpaceName DSNUM partitionNumber**

*Explanation:* The product displays this warning message when it inserts a quiesce entry into the DB2 catalog table SYSIBM.SYSCOPY during Quiet Point report processing. The product has detected a non-recoverable event (for example, a load or a reorg action with LOG NO defined) between the most recent full image copy of your selected table spaces and the quiesce point that you have inserted. The presence of this event means that your quiesce point
might not be suitable as a point of recovery (RECOVER TORBA, RECOVER TOLOGPOINT).

**User response:** No immediate action is required. To generate a recoverable quiesce point, create a full image copy of the table spaces defined (directly or indirectly) by your filter, ensure that your job or job step selects a time frame after the full image copy, and submit the job again.

**BMC097710**  
**MQ SERIES Q MANAGER WAS SUCCESSFULLY CONNECTED**

**Explanation:** The product displays this informational message when it has successfully connected to the MQSeries queue manager specified in your job.

**User response:** No action is required.

**BMC097711**  
**MQ SERIES Q MANAGER WAS SUCCESSFULLY DISCONNECTED**

**Explanation:** The product displays this informational message when it has successfully disconnected from the MQSeries queue manager specified in your job.

**User response:** No action is required.

**BMC097712**  
**MQ SERIES QUEUE WAS SUCCESSFULLY OPENED**

**Explanation:** The product displays this informational message when it has successfully opened the MQSeries queue specified in your job.

**User response:** No action is required.

**BMC097713**  
**MQ SERIES QUEUE WAS SUCCESSFULLY CLOSED**

**Explanation:** The product displays this informational message when it has successfully closed the MQSeries queue specified in your job.

**User response:** No action is required.

**BMC097714**  
**UNABLE TO CONNECT MQ SERIES Q MANAGER**

**Explanation:** The product produces this message when it is unable to connect to an MQSeries queue manager. The name of the queue manager is listed in a succeeding BMC097725 message.

**User response:** Obtain the return and reason codes listed in a succeeding BMC097724 message. Refer to the appropriate MQSeries documentation to interpret them.

**BMC097715**  
**uniqueValue COLUMN NOT FOUND FOR outputType OUTPUT OF columnType RECORD**

**Explanation:** The product displays this message when it encounters an error as it processes a log record that reflects a change to a large volume column that is selected by your filter (for example, an XML or a LOB column). The internal data structure that represents the log record does not contain the unique value (DOCID for an XML column, ROWID for a LOB column) that the product
needs to obtain data from a temporary VSAM file. The product ignores all log records related to the affected large volume column. Processing continues.

User response: Contact BMC Customer Support.

**BMC097727**

**EXTERNAL LOG FILE DEFINITION NOT FOUND FOR columnType CREATOR creatorName TABLE tableName COLUMN columnName**

_Explanation:_ The product displays this message when an output load file includes data from a column that contains large volumes of data (such as an XML or a LOB column), and you have specified an external file for at least one large volume column. A selected log record reflects a change to a large volume column, but the SYSIN syntax of your job or job step does not define an external file for that column. If you define an external file for one large volume column, you must define external files for all such columns associated with the same base table. Processing terminates.

User response: Update the SYSIN syntax of your job or job step to define external files for all large volume columns that are included in the base table and selected by your log scan. Submit the job again.

**BMC097738**

*columnType COLUMN TYPES ARE SUPPRESSED FOR TABLE owner.tableName DURING SQL/LOAD GENERATION*

_Explanation:_ The product displays this informational message when the product’s output SQL or load files do not contain data from columns that contain large volumes of data (such as XML columns or LOB columns). Your job or job step’s SYSIN syntax (or syntax default values) excludes the columns.

User response: No action is required.

**BMC097739**

**THE PRODUCT ESTAE HAS BEEN INVOKED DUE TO AN ABEND abendCode DURING EXECUTION**

_Explanation:_ The product displays this informational message when its error recovery routine has been invoked in response to an abnormal termination. This message indicates an abnormal termination initiated by the operating system, and message BMC097790 indicates a user-initiated abnormal termination (user abend).

User response: Determine the nature of the abnormal termination. If you can correct the situation, submit the job again. If you cannot correct the situation, contact BMC Customer Support. Have the output from the run of the product available (including the dump in the ALPDUMP data set, if one was taken).

**BMC097741**

**LOAD/REORG LOG NO/ AT LOGPOINT X’logpoint01’ OCCURS AFTER RECOVER FROM LOGPOINT X’logpoint02’ FOR databaseName.tableSpaceName DSNUM partitionNumber**

_Explanation:_ You have specified a time frame for an automated drop recovery action. Within your time frame, the product has encountered an event that remapped (modified) the record IDs (RIDs) in the table space you specified. Typically, RIDs are remapped when someone runs a Load or Reorg utility with
the LOG NO option enabled. The product cannot complete the automated drop recovery action in this situation.

User response: A complete automated drop recovery action is not possible. To recover as much information as possible, change the RECOVER PLUS syntax that the product has generated. Adjust the recovery time frame so that it ends at an RBA/LSRSN value equal to logpoint01 minus one. Submit the job again.

BMC097742  TOTAL RECORDS WRITTEN FOR EXTERNAL LOB FILE IS nnnnnn NAME tableName. columnName

Explanation: The product displays this informational message to provide statistical information about an external file that is written as part of an output load file, when the value of the INCLUDE LOBS keyword is YES. The external file contains column values for one LOB column (or one partition of one LOB column). This message provides the total number of records that the product writes to the external file. Each record represents the value of the LOB column in one table row at one point in time. Processing continues.

User response: No action is required.

BMC097743  tableName. columnName NOT PROCESSED DUE TO LOGGING ATTRIBUTE TURNED OFF

Explanation: The product displays this warning message when you have included large object (LOB) data in your output (INCLUDE LOBS is YES). The product has encountered a log record related to a selected LOB column, but the log record indicates that the LOB column is not logged. This message can occur when the logging attribute of the auxiliary LOB table space for the LOB column is turned off by an ALTER statement during the range of your log scan. Because the product cannot gather complete LOB data from the log, it ignores all log records related to the LOB column displayed in the message. Processing continues.

User response: Depending on your requirements, you can take one of the following actions:

- accept the output as is (any unlogged LOB columns are excluded from the output)
- exclude the unlogged LOB column from your filter
- change the range of your log scan to include only the time frame when all of your selected LOB columns are logged

If required, make the required changes and submit the job again.

BMC097744  PARAMETER keyword01 NOT ALLOWED WITH keyword02

Explanation: The SYSIN of your job or job step contains a syntax conflict. The product displays this general message when the processing required by keyword01 cannot be performed at the same time or in the same context as the
processing required to honor keyword02. The product cannot resolve the conflict based on the information available. Processing terminates.

**User response:** Edit the SYSIN syntax of your job (or redefine your work ID with the online interface) to resolve the conflict. Submit the job again.

**BMC097745**

*positionText PROCESSED RBA = X'rbaValue'*

*Explanation:* The product displays this informational message in a non-data sharing environment as it reads log records. The product displays the RBA value for the first and last log record that the product reads. Processing continues.

*User response:* No action is required.

**BMC097746**

*positionText PROCESSED LRSN = X'lrsnValue' RBA = X'rbaValue' ID = memberID*

*Explanation:* The product displays this informational message in a data sharing environment as it reads log records. The product displays this message for the first and last log record that the product reads. The message includes the LRSN value, RBA value, and data sharing member ID of the log record. Processing continues.

*User response:* No action is required.

**BMC097747**

LOG FILE EXCLUDED BECAUSE OF ILLOGICAL VALUES

*Explanation:* The product has detected a problem as it attempts to read a DB2 log file specified in the bootstrap data set (BSDS). The product avoids reading the DB2 log file.

The product displays this message as part of a sequence of messages. This message signals the error condition. Message BMC097089 displays the name of the log file. Message BMC097198 displays the start and end values of the log file (as either RBA or LRSN values). The product attempts to continue processing by allocating and reading an alternate copy of the log file.

*User response:* Your response depends on whether the product can continue processing.

- If the product successfully allocates and reads an alternate log file, no action is required.

- If the product cannot allocate and read an alternate log file, use the DSNJU004 (Print Log Map), the DSN1LOGP (Log Print), and the DSNJU003 (Change Log Inventory) utilities to correct any corrupted entries in the BSDS. For more assistance, consult IBM's DB2 technical documentation or contact BMC Customer Support.
**BMC097748** INPUT STATEMENT TYPES FOUND TO BE INCONSISTENT

*Explanation:* The SYSIN syntax specifies two different input sources (BSDS, specific DB2 log files, or logical log files) within the same job step. Each job step that runs the product can read input from only one source. The product usually issues this message when it finds inconsistent INPUT keywords on two different LOGSCAN statements, or when it finds a job-level INPUT statement that is inconsistent with an INPUT keyword on a LOGSCAN statement.

BMC recommends that you use the job-level INPUT statement instead of the INPUT keyword of the LOGSCAN statement. The INPUT keyword of the LOGSCAN statement provides compatibility with earlier versions of the product and might be removed from future versions.

*User response:* Edit the SYSIN syntax (or redefine the work ID with the online interface) to specify only one input source (BSDS, specific DB2 log files, or logical log files). Use the job-level INPUT statement to specify the input source.

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**BMC097749** GDG BASE SPECIFIED BUT NO GENERATION DATASETS EXIST FOR GDG BASE

*Explanation:* The SYSIN syntax of your job instructs the product to read input from a generation data group (GDG) base, but when the product attempted to recall all of the generations of the data set, no data sets existed.

*User response:* Perform one of the following actions:

- Ensure that the GDG data set exists (by creating or restoring it).
- Change the data set specification so that it defines a valid GDG base.

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**BMC097750** RUNSEQNUM APPROACHING MAXIMUM VALUE ALLOWED. DELETE UNUSED WORKIDS FROM HISTORY TABLE.

*Explanation:* The product is running a work ID defined as an ongoing process and has incremented the RUNSEQNUM value for that work ID. The current RUNSEQNUM value is close to the maximum value (2^32 minus 1). If the RUNSEQNUM value exceeds the maximum, the product resets the value to zero. This action breaks the relationship between successive runs of the work ID and prevents the product from including any transactions that were open at the end of the previous run. In this situation, the product can issue inconsistent or anomalous error messages.

*User response:* Delete unused work IDs from the history tables in the Repository. For more information, see the product's technical documentation.

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**BMC097751** EXPANDVAR NO STATS: numBytes ADDITIONAL BYTES, AVERAGE averageBytes BYTES PER LOGICAL LOG RECORD

*Explanation:* This informational message displays the number of additional bytes that the product used to write extra logical log record headers in segmented log records in an output logical log file. This message is produced only when the EXPANDVAR keyword is set to NO. If none of the log records
required segmentation, `numOfBytes` is zero. The BMC097614 message displays the corresponding statistics for EXPANDVAR YES.

**User response:** No action is required.

**BMC097752**  
**USE OF RECFM VBS FOR THE CREATION OF LOGICAL LOG FILES HAS BEEN DEPRECATED, VB SUBSTITUTED**

**Explanation:** The SYSIN syntax of your job specifies an output logical log file with a record format of variable length, blocked, spanned (VBS). The current and future versions of the product do not produce VBS logical log output. Instead, when the length of a logical log record exceeds the system determined block size, the product divides the record into segments and writes multiple segments into a standard variable length, blocked (VB) file.

The product tolerates but ignores the VBS keyword to provide compatibility with earlier versions of the product. The keyword might be removed from future versions.

**User response:** No action is required. (The product automatically creates segmented VB files. When the product reads a VBS file written by an earlier version of the product, it automatically converts the records in the file to the appropriate format before processing or writing any output logical log files.)

**BMC097753**  
**columnType RECORD NOT FOUND FOR ROWID rowIDValue VERSION versionNumber**

**Explanation:** The product displays this warning message as it processes a log record that reflects a change to a selected column that contains a large volume of data (such as an XML column or a LOB column). The product is generating output based on the log record, but the row ID and version number in the log record do not match any corresponding values in the temporary VSAM file for the selected large volume column. This problem can occur as the product generates UNDO SQL, when the range of your log scan does not include the change to the table row that occurred before the change reflected in the current log record.

The product ignores the log record and generates no output based on it. Processing continues.

**User response:** If you are generating UNDO SQL, try to adjust the range of your log scan to include the previous change to the row indicated by the `rowIDValue` and submit the job again. If you cannot eliminate this error, or if you are generating output other than UNDO SQL, contact BMC Customer Support.

**BMC097754**  
**DUPLICATE PDS LIBRARIES ENCOUNTERED FOR SQL OUTPUT TYPE -- (SQLType)**

**Explanation:** The SYSIN syntax of your job specifies a PDS data set for both the SQL template and the SQL statement files. However, the PDS data set name (excluding the member name) is the same for both files. Because the product
attempts to open both data sets at the same time, the PDS data set name must be different for the two SQL output data sets.

User response: Edit the SYSIN syntax (or redefine the work ID with the online interface) to change one of the PDS data set names so that both the SQL template and SQL statement files have unique PDS data set names.

**BMC097755**

LOGGING TURNED OFF FOR TABLE SPACE `databaseName`. `tableSpaceName` 

*Explanation:* The product displays this warning message when at least one of the objects selected (directly or indirectly) by your filter resides in the table space displayed in the message. The displayed table space was created with a logging attribute value of NOT LOGGED (LOG NO). The product cannot generate output related to objects in this table space. Processing continues for any other objects selected by your filter.

If the logging attribute of a table space changes during the time frame of the log scan, the product issues message BMC097518.

User response: Check your filter to ensure that you are selecting your desired objects correctly. If you do not require output for the table space displayed in the message, no action is required. If you require output for this table space, you must change its logging attribute and process the objects in the table space before Log Master can generate meaningful output.

**BMC097756**

UNABLE TO LOAD REGISTRY (`moduleName`), HRESULT (`result`) 

*Explanation:* To enable communication between some of the product's internal components, the product must load a load module that contains registry information. The product issues this message when it cannot load the required load module.

User response: Determine whether the module represented by `moduleName` exists in a load library available to the product. If the load module is available, but error still occurs, contact BMC Customer Support.

**BMC097757**

UNABLE TO LOAD REQUIRED MODULE (`moduleName`) 

*Explanation:* The product is unable to locate or load the displayed load module and cannot operate correctly.

User response: Determine whether the module represented by `moduleName` exists in a load library available to the product. If the load module is available, but error still occurs, contact BMC Customer Support.

**BMC097758**

FOLLOWING MESSAGES PRODUCED DUE TO LOAD OPTION GENERATE EMPTY FILES FOR: 

*Explanation:* The product displays this informational message when it is creating an output load file. The SYSIN syntax of your job directs the product to create output data sets for all tables selected by your WHERE clause or filter, regardless of whether the product encounters any log records related to a table.
(the syntax includes the SEPARATE DATASETS YES and the GENERATE EMPTY FILES keywords). The product displays the name of the table in a subsequent BMC097175 message. This message signals that the product will display a set of related messages to provide statistics about the empty data set for the specified table.

The normal set of related messages includes BMC097342, BMC097343, and the group of messages from BMC097249 to BMC097254. Any record count values in these messages should be zero. Processing continues.

User response: No action is required.

**BMC097759**

**FILTER SPECIFIED PARTITION partitionNumber01 FOR databaseName. tableSpaceName WHICH IS GREATER THAN partitionNumber02, ITS MAXIMUM NUMBER OF PARTITIONS**

**Explanation:** Your job selects log records based on the partition number of a partitioned table space. However, the partition number specified in the WHERE clause or filter of your job is greater than the table space's maximum number of partitions as defined in the DB2 catalog.

User response: Edit the SYSIN syntax (or redefine the work ID with the online interface) to change the partition number specified in the WHERE clause or filter. Use an appropriate partition number.

**BMC097760**

**NUMBER OF ORDER BY FIELDS sortKeyNumber EXCEEDS MAXIMUM NUMBER sortKeyMax ALLOWED FOR REPORT**

**Explanation:** The SYSIN syntax of your job specifies output that includes at least one report, but the syntax also includes more ordering fields (also called sort criteria or sort keys) for the report than the product supports. The maximum number of ordering fields is displayed as sortKeyMax in the message.

User response: Edit the SYSIN syntax (or redefine the work ID with the online interface) to reduce the number of ordering fields specified for the report. Submit the job again.

**BMC097761**

**LOGSCAN OR BOOTSTRAP INFORMATION CROSSES DAYLIGHT SAVINGS TIME BOUNDARY**

**Explanation:** The product displays this informational message when it has been configured to perform daylight savings time adjustment (by setting several installation options to timestamp values). The product can adjust date and time values when you run the product after a daylight savings time change, but scan log records that are from a period before the time change. (This situation is called scanning across a daylight savings time boundary.) This message also indicates that the product has encountered one of the following situations:

- a date and time value within the logscan range that is beyond a daylight savings time boundary relative to the date/time when the product is running
- a date and time value associated with a file recorded in the BSDS that is
  beyond a boundary relative to the date/time when the product is running

  **User response:** No action is required.

**BMC097762**

**DST \{PRIOR FALL | SPRING | FALL\} = timestampValue**

**Explanation:** This informational message displays the date/time values of each
  of the three installation options (also known as DOPTs) associated with
daylight savings time adjustment. The product produces this message in
conjunction with a BMC097761 message.

  **User response:** No action is required.

**BMC097763**

--#SET TERMINATOR CHARACTER COULD NOT BE DETERMINED FOR
CREATE TRIGGER triggerName GENERATION

**Explanation:** The product is attempting to generate a data definition language
(DDL) statement that creates a trigger in DB2. The syntax of the CREATE
TRIGGER statement requires that any multiple embedded SQL statements
(within the BEGIN ATOMIC and END keywords) must be terminated with a
semicolon (;) character. Because of this requirement, the product inserts a SET
TERMINATOR CHARACTER comment in the generated DDL to change the
terminator for the entire CREATE TRIGGER statement so that the entire
statement can be processed by DB2. (The product also inserts another SET
TERMINATOR comment after the CREATE TRIGGER statement to reset the
terminator character to a semicolon.)

  The product attempts to use five different terminator characters (#, @, ^, !, and$
$). If all five terminator characters occur within the text of the CREATE
TRIGGER statement, the product generates the statement using semicolons for
all terminators and does not insert the SET TERMINATOR comments.

  **User response:** Edit the DDL output file to add the SET TERMINATOR
comments to set and reset the terminator character. Use a terminator character
that does not occur in the text of the CREATE TRIGGER statement. Change the
terminator character for the entire CREATE TRIGGER statement to use your
newly defined terminator character.

**BMC097764**

MAX THRESHOLD ALLOWED FOR UNCOMMITTED TRANSACTIONS
EXCEEDED: URID X'uridRbaValue' PLAN planName CORRID correlationID
AUTHID authID MAX THRESHOLD uridthrValue BYPASSED recsBypassed
PROCESSED recsProcessed TOTAL FOR URID recsTotal

**Explanation:** The product issues this informational message only when the
value of the URIDTHR installation option is set to a value other than zero and
the product encounters a URID that contains a number of data changes greater
than the URIDTHR value. (In this context, a data change is an insert, update, or
delete action that affects one or multiple rows in a database. When a change
affects multiple rows, the product counts one change for each affected row.)
The product bypasses any remaining log records in the URID and continues
processing the next URID.
The product reports additional information on succeeding lines, including several URID-related values, the number of log records bypassed, the number of log records processed in the URID, and total number of records in the URID.

**User response:** No action is required.

**BMC097765**  
**DUPLICATE DATASET OR DDNAME SPECIFIED**

*Explanation:* The product issues this message when the SYSIN syntax defines more than one data set or ddname with the same name. The product cannot allocate the second data set or ddname with the same name.

*User response:* Edit the SYSIN syntax (or redefine the work ID with the online interface) to define unique names for data sets or ddnames.

**BMC097766**  
**PHASE ONE PROCESS COMPLETE, PROCESSED (numOfComplRanges)**

*Explanation:* This informational message displays the number of completion ranges that the product has processed using log record images from DASD, but not using DSNUM0 image copies. The product issues this message during completion planning. A completion range is a range of data within DB2 (represented by RBA/LRSN values) that the product must obtain from log records, image copies, or the table space itself.

*User response:* No action is required.

**BMC097767**  
**RANGES DEFERRED (numOfComplRanges)**

*Explanation:* This informational message displays the number of completion ranges that the product has deferred for phase two completion processing. The product issues this message during completion processing. A completion range is a range of data within DB2 (represented by RBA/LRSN values) that the product must obtain from log records, image copies, or the table space itself.

*User response:* No action is required.

**BMC097768**  
**PHASE TWO PROCESS COMPLETE, PLANS EXECUTED (numOfComplRanges)**

*Explanation:* This informational message displays the number of completion ranges that the product was able to process using record images from magnetic tape (usually from image copies) or from DSNUM0 image copies. The product issues this message during completion processing. A completion range is a range of data within DB2 (represented by RBA/LRSN values) that the product must obtain from log records, image copies, or the table space itself.

*User response:* No action is required.

**BMC097769**  
**COLUMN LEVEL FILTERING NOT ALLOWED WITH SUMMARY ALL ACTIVITY REPORTING**

*Explanation:* The SYSIN syntax of your job requests an Object Activity Summary report (by including the SUMMARY ALL ACTIVITY keyword), but the WHERE clause or filter of your job selects log records based on the value of a specific column in a specific table. As the product produces this report, it does
not examine the detailed information in log records and therefore does not compute column-level record counts and totals.

User response: Edit the SYSIN syntax (or redefine the work ID with the online interface) to change the report type or to avoid selecting log records based on the value of a specific column.

BMC097770  MQSERIES CORRELATION ID FOR LOGICAL LOG OUTPUT IS correlationID

Explanation: The product displays this informational message when it is inserting output logical log information into an MQSeries queue. The message also tells you the unique value of the MQSeries correlation ID that the product associates with the MQSeries queue. Use the correlation ID value when you retrieve input from the queue to distinguish between multiple runs of the same job that use the same MQSeries queue name. (Be careful not to confuse the MQSeries correlation ID with the DB2 correlation ID.)

User response: Note the correlation ID value for future use. Otherwise, no action is required.

BMC097771  SYNTAX KEYWORD keyword01 IS NOT VALID WITH keyword02

Explanation: The product issues this error message as it parses the SYSIN syntax of your job. The message indicates that one keyword in the syntax cannot be used in the same context as a second keyword.

User response: Edit the SYSIN syntax (or redefine the work ID with the online interface) to resolve the conflict between the two specified keywords and submit the job again.

BMC097772  LOAD EXPAND VAR IGNORED WITH FORMAT SDF OR CSV, NOT MEANINGFUL

Explanation: The SYSIN syntax of your job requests the product to create an output load file using a format other than the LOG MASTER or UNLOAD PLUS formats. Your job also specifies a value for the EXPAND VAR keyword. Because the other load file formats define or restrict how variable length fields are represented, the product honors the EXPAND VAR keyword only when the value of the LOADFMT keyword is LOG MASTER or UNLOAD PLUS. The product creates the output load file using your requested format.

User response: When convenient, edit the SYSIN syntax (or redefine the work ID with the online interface) to remove the EXPAND VAR keyword in the definition of the output load file.

BMC097773  COMBINED SQL/DDL BEING PRODUCED

Explanation: The product displays this informational message when you have requested SQL output that includes data definition language (DDL) statements (the INCLUDE DDL keyword is set to YES) and the product has actually written at least one DDL statement in the output file.

User response: No action is required.
**BMC097774  DATASHARING SYSTEM HAS BEEN DISABLED**

*Explanation:* The product displays this informational message when it cannot access the DB2 log files on at least one member of the current data sharing group. When the product attempted to access the member, it received a message indicating that the member was disabled.

The product continues processing and attempts to complete your job using the log files that are available. However, if the log files of the disabled member are the only source for required log information, the product might not be able to complete all required log records.

*User response:* No immediate action is required. Examine the rest of the job's output to determine if the product issues any additional “unable to complete” error messages. If no such error messages are present, you can use the job's output as you normally do. If “unable to complete” error messages are present, contact your DB2 operations staff to resolve the disabled status of the data sharing member. When the entire data sharing group is enabled, submit the job again.

**BMC097775  MEMBER NAME pdsMemberName**

*Explanation:* The product displays this informational message when the SYSIN syntax of your job specifies a partitioned data set (PDS) for two different output files. However, both the PDS data set name (excluding the member name) and the member name are the same for both files. The product displays this message as part of a sequence of messages.

The product displays the original error condition in message BMC097026. It displays the PDS data set name (excluding the member name) in message BMC097089. This message displays the duplicate member name.

*User response:* Edit the SYSIN syntax (or redefine the work ID with the online interface) to change one of the data set names so that either the PDS data set name (excluding the member name) is unique or the member name is unique.

**BMC097776  DUPLICATE PDS LIBRARIES SPECIFIED, LLOG CNTL FILE MUST BE SEPARATE FILE NAME**

*Explanation:* The product displays this informational message when the SYSIN syntax of your job specifies a PDS data set for both a logical log control file and another output file. However, the PDS data set name (excluding the member name) is the same for both files. Because the product attempts to open both data sets at the same time, the PDS data set name must be different for the two output files.
The product displays this message as part of a sequence of messages. The product displays the PDS data set name (excluding the member name) in message BMC097089.

User response: Edit the SYSIN syntax (or redefine the work ID with the online interface) to change one of the PDS data set names so that the logical log control file and the other output file have unique PDS data set names.

**BMC097777**

**OPEN URID X'uridRbaValue' DETECTED IN ONGOING HANDLE handleID RUNSEQ runSeqNumber**

*Explanation:* The product displays this informational message when it runs a work ID defined as an ongoing process and the URID represented by uridRbaValue was open at the end of processing during the previous run of the work ID. The previous run is indicated by the ongoing handle ID and the run sequence number displayed in the message.

The product adjusts the FROM RBA/LRSN from what you specified to a value that enables your log scan to capture the open URID.

User response: No action is required.

**BMC097778**

**OPEN URID LRSN X'uridLrsnValue'/RBA X'uridRbaValue' MEMBER dsMemberName DETECTED IN ONGOING HANDLE handleID RUNSEQ runSeqNumber**

*Explanation:* The product displays this informational message when it is running a work ID defined as an ongoing process and the URID represented by uridLrsnValue was open at the end of processing during the previous run of the work ID. This message is displayed only when the product runs in a data sharing environment (the product displays the data sharing member containing the open URID as dsMemberName). The previous run is indicated by the ongoing handle ID and the run sequence number displayed in the message.

The product adjusts the FROM RBA/LRSN from what you specified to a value that enables your log scan to capture the open URID.

User response: No action is required.

**BMC097779**

**SYSLGRNX ACCESS ERROR - USELGRNG PROCESSING DISABLED**

*Explanation:* The product displays this warning message when it encounters an error as it attempts to read the SYSIBM.SYSLGRNX table of the DB2 catalog. A subsequent BMC097479 message contains diagnostic information. Processing continues, but the product does not read the SYSLGRNX table and does not gain any performance benefits that information from the table might provide.

In this situation, the product reads the SYSLGRNX table to determine if it can exclude the log files of any data sharing members from your log scan because
they do not contain log records for your selected objects (USELGRNG processing).

*User response:* No immediate action is required. To obtain the performance benefits of SYSLGRNX access, you must resolve the condition that is preventing access. If you need assistance, contact BMC Customer Support and provide the diagnostic information from the BMC097479 message.

**BMC097780** ADDITIONAL SEGMENTS WRITTEN TO LOGICAL LOG *numOfSegs*

*Explanation:* This informational message displays the number of additional segments that the product wrote in an output logical log data file. In this context, “additional segments” refers to the number of segments greater than one for each logical log record. (For example, if the product divides logical log record into three segments, the number of additional segments is two.) If the logical log data file does not contain any segmented logical log records, the *numOfSegs* is zero.

*User response:* No action is required. Use the information in this message along with the statistics in either message BMC097614 or BMC097751 to determine how much additional storage is required because of the segmented logical log records in the data file.

**BMC097781** NO DATA FOUND IN QUEUE USING CORRELATION ID *correlationID*

*Explanation:* The SYSIN syntax of your job specifies that the product can obtain logical log control information from an MQSeries queue. The syntax further specifies that the product should select only those messages in the queue marked with a specific MQSeries correlation ID. (Be careful not to confuse the MQSeries correlation ID with the DB2 correlation ID.) However, when the product attempts to retrieve the information from the specified queue, it finds either no messages in the queue marked with the specified correlation ID, or no messages in the queue at all.

Without logical log control information, the product cannot obtain logical log data records to process, and terminates processing.

*User response:* Verify that you have specified the correct MQSeries queue name and correlation ID value. If the logical log control file information was inserted in the queue by a previous run of the product, the inserting job displays the correlation ID value in message BMC097770. If necessary, edit the SYSIN syntax (or redefine the work ID with the online interface) to correct any errors and submit the job again.

**BMC097782** NO DATA FOUND IN QUEUE

*Explanation:* The SYSIN syntax of your job specifies that the product can obtain logical log control information from an MQSeries queue. However, when the product attempts to retrieve the information from the specified queue, it finds no messages in the queue.
Without logical log control information, the product cannot obtain logical log data records to process, and terminates processing.

*User response:* Verify that you have specified the correct MQSeries queue name and queue manager name. If necessary edit the SYSIN syntax (or redefine the work ID with the online interface) to correct any errors and submit the job again.

**BMC097783**  
**LOG RANGE ASSOCIATED WITH LOG FILE IS INVALID**

*Explanation:* The product is attempting to read a given range of RBA/LRSN values within a given DB2 log file, but the log file does not contain the values that the product expects to find. This message is followed by succeeding error messages that indicate the specific DB2 log file and the range or RBA/LRSN values.

*User response:* Contact BMC Customer Support. Have the output from the run of the product available (including the dump in the ALPDUMP data set, if one was taken).

**BMC097784**  
**LRECL NOT A MULTIPLE OF BLKSIZE FOR dataSetName**

*Explanation:* The product is attempting to write data into a pre-allocated, fixed block data set. The product cannot allocate successfully because the logical record length (LRECL) of the data set is not a multiple of the data set's block size.

*User response:* Use the appropriate programs or processes in your environment to adjust either the LRECL value or the BLKSIZE value of the pre-allocated data set. Submit the job again.

**BMC097785**  
**DB2 CATALOG CHANGED DURING EXECUTION, TABLE: tableName**

*Explanation:* The product has examined the DB2 catalog and determined that a given column has an associated field procedure. At a subsequent point, the product reads the SYSIBM.SYSFIELDS table and determines that the field procedure and the associated column no longer exist. The product issues this error message and terminates processing.

*User response:* Submit the job again (in most situations, it is unlikely that the DB2 catalog will change in this manner again).

**BMC097787**  
**RECOVERY ANALYSIS STATUS UPDATED**

*Explanation:* The product displays this informational message when it performs a recovery analysis and updates the Recovery Manager Transaction Table (ALPRMTA) with status information about the current log scan.

*User response:* No action is required.

**BMC097790**  
**THE PRODUCT ESTAE HAS BEEN INVOKED DUE TO ABEND abendCode DURING EXECUTION**

*Explanation:* The product displays this informational message when it has detected a severe error condition and invoked its own error recovery routine.
This message indicates a user-initiated abnormal termination (user abend), and message BMC097739 indicates an abnormal termination initiated by the operating system.

User response: Determine the nature of the abnormal termination. If you can correct the situation, submit the job again. If you cannot correct the situation, contact BMC Customer Support. Have the output from the run of the product available (including the dump in the ALPDUMP data set, if one was taken).

**BMC097791** LOGSCAN scanNumber HAS OUTPUTS NOT ALLOWED FOR PRODUCT productName

Explanation: Some components of the current product can provide additional features or forms of output, depending on the products or licenses that you purchase. The SYSIN syntax for your job defines at least one form of output that your currently-available product does not support.

User response: Edit the SYSIN syntax (or redefine the work ID with the online interface) to remove the unsupported forms of output and submit the job again.

**BMC097792** BACKOUT INTEGRITY REPORT NOT ALLOWED WITH DB2LOG INPUT

Explanation: The SYSIN syntax of your job specifies that the product reads input from specific DB2 log files (INPUT DB2LOG) and generates a Backout Integrity report. To generate a Backout Integrity report, the product must process DB2 log files up to the current time (run to CURRENT), but the input source prevents the product from reading currently active log files. Processing terminates.

User response: Edit the SYSIN syntax (or redefine the work ID with the online interface) to resolve the contradiction. Either change the input source or remove the Backout Integrity report and submit the job again.

**BMC097793** LENGTH OF TERSE DDL STATEMENT EXCEEDS BUFFERSIZE OF size, DDL LINE NUMBER statementNumber

Explanation: While generating data definition language (DDL) statements, the product processed a statement that exceeded the product's internal DDL statement buffer size. The specific DDL statement is indicated by the line number of the statement in the output DDL file. The product cannot process this specific DDL statement.

User response: Edit the SYSIN syntax (or redefine the work ID with the online interface) to change your Range Definition or WHERE clause so that the product does not process the specific DDL statement indicated by the message. Submit the job again.

**BMC097794** FROMRBA = X’rbaValue01’ TORBA = X’rbaValue02’ EXPECTEDRBA = X’rbaValue03’ RANGEEND: errorCode

Explanation: The product issues this message on rare occasions as it reads log records and processes DB2 log files. The message displays some internal values that the product uses to keep track of the records and files. Depending on the
situation, the product can either issue this message as a warning and continue processing, or issue the message as an error before terminating processing.

User response: No specific action is required for this message. The message is usually preceded or followed by other error conditions. Follow the recommended actions for the other error conditions to remedy the problem.

**BMC097795**

**LOG RECORDS WITHIN A PIT RANGE FOUND AND BYPASSED FOR TABLESPACE databaseName.tableSpaceName**

*Explanation:* The product displays this informational message when it has encountered log records that fall within the range of a Point-in-Time (PIT) recovery. The product ignores these log records because after a PIT recovery is performed, DB2 considers the log records within that range as invalid. Processing continues.

*User response:* No action is required.

**BMC097796**

**LRECL FOR LLOG DATA FILE TOO SMALL. LRECL SPECIFIED IS length, LRECL MUST BE SPECIFIED AT LEAST 4096**

*Explanation:* The SYSIN syntax of your job defines an output logical log data file with a logical record length (LRECL) of less than 4096 bytes. The product requires an LRECL value of more than 4096 bytes. Processing terminates.

*User response:* Edit the SYSIN syntax (or redefine the work ID with the online interface) to change the LRECL value of the output logical log data file. Submit the job again.

**BMC097797**

**LOG READER ENCOUNTERED nnnnnn SHORTBLOCKS FOR DSNAME dataSetName**

*Explanation:* This informational message displays the number of times that the product read a block from an active or archive DB2 log file, but detected that the block was a short block. (The product uses the allocated block size of the data set for the read operation.) This message does not indicate any loss of data. Processing continues and the product continues reading the file.

*User response:* No action is required.

**BMC097798**

**COMPLETION OPTION EXCLUDED. IMAGE COPY RECORDED IN SYSCOPY NOT CATALOGED.**

*Explanation:* The product displays this informational message when it is performing row completion processing. The SYSIBM.SYSCOPY table of the DB2 catalog indicates that a data set containing a particular image copy should be cataloged in the operating system's ICF catalog. However, the product cannot find that data set in the ICF catalog.

The product considers this image copy to be invalid and will not use it as a source of information during row completion. Processing continues.

*User response:* No action is required.
**BMC097799**  
*installationOptionText*

*Explanation:* This informational message displays the name and the value of a installation option (also known as a DOPT). The product displays this message in the following situations:

- As the product begins processing, it issues this message multiple times to display the initial values of all installation options.

- During processing, the value of an installation option can be changed by keywords of the OPTION, SORTOPTS, STOREOPTS, or LOGOPTS statements. Depending on the installation option, the product might issue this message again to display the updated value.

*User response:* No action is required.

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**Messages BMC097800 through BMC097899**

This group includes messages for the Log Master for DB2 product.

**BMC097800**  
**REPOSITORY INTERNAL ERROR nnnnnn : text**

*Explanation:* An internal error occurred as the product attempted to access its Repository. The nnnnnn in the message text represents a unique error code. The text is a descriptive narrative of the type of error encountered.

*User response:* Contact BMC Customer Support.

**BMC097801**  
**text**

*Explanation:* This is a supplemental message to BMC097800. It is issued only when the product needs to display additional information to qualify the cause of the internal error.

*User response:* Contact BMC Customer Support.

**BMC097802**  
**COMMIT OF LOGICAL UNIT OF WORK FAILED -- MESSAGES FOLLOW:**

*Explanation:* A request to commit a logical unit of work in the product's Repository failed. This message is followed by messages BMC097032 and BMC097033.

*User response:* See messages BMC097032 and BMC097033 to determine an appropriate response.

**BMC097803**  
**ROLLBACK OF LOGICAL UNIT OF WORK SUCCESSFULLY COMPLETED**

*Explanation:* This message is for information only. Refer to the accompanying messages to determine why this message was generated.

*User response:* No action is required.
BMC097804  ROLLBACK OF LOGICAL UNIT OF WORK FAILED -- MESSAGES FOLLOW:
Explanation: A request to roll back a logical unit of work in the product's Repository failed. This message is followed by messages BMC097032 and BMC097033.
User response: See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097805  CONNECTION TO DB2 SUBSYSTEM ssid USING PLAN planName FAILED
Explanation: An error occurred while attempting to connect to the named DB2 subsystem with the requested plan.
User response: Contact BMC Customer Support.

BMC097806  REPOS ACCESS (ID # nnn) START AT timeValue: method
Explanation: The product displays the ID number, the time, and the calling method when it begins to access its Repository. This message appears only when the message level is set to 1 or a greater value.
User response: No action is required.

BMC097807  REPOS ACCESS (ID # nnn) ENDED AT timeValue. ELAPSED SECS = numOfSecs
Explanation: The product displays the ID number, the time, and the number of elapsed seconds when it completes access to its Repository. This message appears only when the message level is set to 1 or a greater value.
User response: No action is required.

BMC097808  AN AUTOMATIC COMMIT WAS PERFORMED FOR ACCESS ID (nnnnnn), SQL RC = returnCode
Explanation: Unless a logical unit of work is defined by the requester, the product automatically commits all SQL requests. The access ID and the SQL code are displayed for the commit performed. This message appears only when the message level is set to 1 or a greater value.
User response: No action is required.

BMC097809  COMMIT OF LOGICAL UNIT OF WORK FAILED -- MESSAGES FOLLOW:
Explanation: A request to commit a logical unit of work in the product's Repository failed. This message is followed by messages BMC097032 and BMC097033.
User response: See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097810  WORK STEP NUMBER stepNumber ALREADY EXISTS FOR WORK ID workIDName
Explanation: An attempt was made to insert a work step number (stepNumber in the message text) record in the product's Repository for the indicated work...
ID name. The insert failed because a record already exists with that step number.

User response: This error should not occur. Contact BMC Customer Support.

BMC097811 SQL ERROR ATTEMPTING TO action STEP NUMBER stepNumber FOR WORK ID workIDName

Explanation: The product encountered an SQL error while attempting to perform the action indicated in the message text. This message is followed by messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097812 SQL ERROR OCCURRED DURING RETRIEVAL OF MAX STEPNUM FOR WORK ID workIDName -- MESSAGES FOLLOW:

Explanation: The step number was not specified when trying to add a work step to the named work ID. The product encountered an SQL error while trying to find the next available step number in the product's Repository. This message is followed by messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097813 action OF WORK ID workIDName STEP NUMBER stepNumber FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

Explanation: The action requested of the product's Repository for the work ID name and step number was not carried out. Accompanying messages explain the cause of the error.

User response: Refer to the accompanying messages to determine an appropriate response.

BMC097814 WORK ID workIDName STEP NUMBER stepNumber COULD NOT BE FOUND FOR action REQUEST

Explanation: The action in the message text could not be carried out because the step number could not be found for the specified work ID name.

User response: Refer to preceding messages to determine an appropriate response.

BMC097815 WORK STEP HEADER ALREADY EXISTS FOR WORK ID workIDName

Explanation: The product could not add a work step header row to the product's Repository for the specified work ID name because a header row for the work ID already exists.

User response: Verify that the work ID name is not already defined in the Repository. If it is not, contact BMC Customer Support.
BMC097816  SQL ERROR OCCURRED WHILE ATTEMPTING TO *action* WORK STEP 
HEADER FOR WORK ID *workIDName*

Explanation: The product encountered an SQL error while attempting to 
perform the action indicated in the message text. This message is followed by 
messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an 
appropriate response.

BMC097817  *action* OF WORK HEADER FOR WORK ID *workIDName* FAILED -- REFER 
TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

Explanation: The product could not perform an action involving its Repository 
for the displayed work ID. Accompanying messages explain the cause of the 
error.

User response: Refer to the accompanying messages to determine an 
appropriate response.

BMC097818  SQL ERROR DURING DELETION OF *tableName* ROWS FOR WORK ID 
*workIDName* -- MESSAGES FOLLOW:

Explanation: The product encountered an SQL error while trying to delete 
rows from the displayed table in the product's Repository. The work ID name 
is given in the message text. Any other row deletions scheduled for the work ID 
in other tables are backed out. This message is followed by messages 
BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an 
appropriate response.

BMC097819  WORK ID *workIDName* COULD NOT BE FOUND FOR *action* REQUEST

Explanation: The *action* in the message text could not be carried out because the 
work ID name specified does not exist.

User response: Specify a valid work ID name and submit the job again.

BMC097820  SQL ERROR ATTEMPTING TO FETCH MATCHING WORK HEADERS FOR 
WORK ID *workIDName*

Explanation: The product encountered an SQL error while trying to fetch rows 
from the work header table in the product's Repository. The work ID name or 
pattern is given in the message text. This message is followed by messages 
BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an 
appropriate response.
**BMC097821**  
*action of input file for work ID workIDName* failed -- refer to preceding message(s) for cause of error

*Explanation:* The product could not perform an action involving the product's Repository for the displayed work ID name. Accompanying messages explain the cause of the error.

*User response:* Refer to the accompanying messages to determine an appropriate response.

**BMC097822**  
*Input file definition already exists for work ID name workIDName*

*Explanation:* The input file definition row could not be added to the ALPIFIL table in the product's Repository. An entry for the specified work ID name already exists.

*User response:* If the cause of this probable application error is not apparent from accompanying messages, contact BMC Customer Support.

**BMC097823**  
*SQL error attempting to action work input file definition for work ID workIDName*

*Explanation:* The product encountered an SQL error while attempting to perform the action indicated in the message text. The affected Repository table is ALPIFIL. This message is followed by messages BMC097032 and BMC097033.

*User response:* See messages BMC097032 and BMC097033 to determine an appropriate response.

**BMC097824**  
*SQL error attempting to fetch input file definitions for work ID workIDName step number stepNumber*

*Explanation:* The product encountered an SQL error while trying to fetch rows from the Work ID Input File Definitions Table (ALPIFIL) in the Repository. The work ID name and step number used in the request are displayed in the message text. This message is followed by messages BMC097032 and BMC097033.

*User response:* See messages BMC097032 and BMC097033 to determine an appropriate response.

**BMC097825**  
*action of filter pointer for work ID workIDName* failed -- refer to preceding message(s) for cause of error

*Explanation:* The product could not perform an action involving the Filter Pointer Table (ALPFLTP) in product's Repository for the displayed work ID name. Accompanying messages explain the cause of the error.

*User response:* Refer to the accompanying messages to determine an appropriate response.
BMC097826 FILTER HEADER ROW ALREADY EXISTS FOR WORK ID workIDName

Explanation: The filter pointer row could not be added to the ALPFLTP table in the Repository. An entry for the specified work ID name already exists.

User response: If the cause of this probable application error is not apparent from accompanying messages, contact BMC Customer Support.

BMC097827 SQL ERROR ATTEMPTING TO action FILTER HEADER FOR WORK ID workIDName

Explanation: The product encountered an SQL error while attempting to perform the action indicated in the message text. The affected Repository table is ALPFLTP. This message is followed by messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097828 SQL ERROR FETCHING FILTER HEADERS FOR WORK ID workIDName STEP NUMBER stepNumber, FILTER NAME filterName

Explanation: The product encountered an SQL error while trying to fetch rows from the Filter Pointer Table (ALPFLTP) in the Repository. The work ID name, step number, and filter name specified for the search is shown in the message text. This message is followed by messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097829 action OF FILTER HEADER FOR FILTER NAME filterName FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

Explanation: The product could not perform an action involving the Filter Header Table (ALPFLTH) in the product's Repository for the displayed work ID name. Accompanying messages explain the cause of the error.

User response: Refer to the accompanying messages to determine an appropriate response.

BMC097830 SQL ERROR ATTEMPTING TO FETCH MATCHING FILTER HEADERS FOR FILTER NAME filterName

Explanation: The product encountered an SQL error while trying to fetch rows from the Filter Header Table (ALPFLTH) in the Repository. The filter name specified for the search is shown in the message text. This message is followed by messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097831 SQL ERROR ATTEMPTING TO action FILTER HEADER FOR FILTER NAME filterName

Explanation: The product encountered an SQL error while attempting to perform the action indicated in the message text. The affected Repository table
is ALPFLTH. This message is followed by messages BMC097032 and BMC097033.

_user response:_ See messages BMC097032 and BMC097033 to determine an appropriate response.

**BMC097832**  
**FILTER HEADER ALREADY EXISTS FOR FILTER NAME** *filterName*  
**Explanation:** The filter header row could not be added to the ALPFLTH table in the Repository. An entry for the specified filter name already exists.  
_user response:_ If the cause of this probable application error is not apparent from accompanying messages, contact BMC Customer Support.

**BMC097833**  
**FILTER NAME *filterName* COULD NOT BE FOUND FOR action REQUEST**  
**Explanation:** The action in the message text could not be carried out because the filter name specified does not exist in the ALPFLTH table.  
_user response:_ Specify a valid filter name and submit the job again.

**BMC097834**  
**SQL ERROR DURING DELETION OF *tableName* ROWS FOR FILTER NAME *filterName* -- MESSAGES FOLLOW:**  
**Explanation:** The product encountered an SQL error while attempting to delete rows from the Repository table displayed in the message text. This message is followed by messages BMC097032 and BMC097033.  
_user response:_ See messages BMC097032 and BMC097033 to determine an appropriate response.

**BMC097835**  
**action OF FILTER LINE FOR FILTER NAME *filterName* FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR**  
**Explanation:** The action requested of the Repository for the filter name in the Filter Line Table (ALPFLIN) was not carried out. Accompanying messages explain the cause of the error.  
_user response:_ Refer to the accompanying messages to determine an appropriate response.

**BMC097836**  
**FILTER LINE ALREADY EXISTS FOR FILTER NAME *filterName***  
**Explanation:** The filter line row could not be added to the ALPFLIN table in the Repository. An entry for the specified filter line already exists.  
_user response:_ If the cause of this probable application error is not apparent from accompanying messages, contact BMC Customer Support.

**BMC097837**  
**SQL ERROR ATTEMPTING TO action FILTER LINE FOR FILTER NAME *filterName***  
**Explanation:** The product encountered an SQL error while attempting to perform the action indicated in the message text. The affected Repository table
is ALPFLIN. This message is followed by messages BMC097032 and BMC097033.

**User response:** See messages BMC097032 and BMC097033 to determine an appropriate response.

### BMC097838

**action OF OUTPUT FILE FOR WORK ID workIDName FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR**

**Explanation:** The product could not perform an action involving the Work ID Output File Definitions Table (ALPOFIL) in the product's Repository for the displayed work ID name. Accompanying messages explain the cause of the error.

**User response:** Refer to the accompanying messages to determine an appropriate response.

### BMC097839

**SQL ERROR ATTEMPTING TO action OUTPUT FILE DEFINITION FOR WORK ID workIDName**

**Explanation:** The product encountered an SQL error while attempting to perform the action indicated in the message text. The affected Repository table is ALPOFIL. This message is followed by messages BMC097032 and BMC097033.

**User response:** See messages BMC097032 and BMC097033 to determine an appropriate response.

### BMC097840

**OUTPUT FILE LINE NUMBER lineNumber ALREADY EXISTS FOR WORK ID workIDName**

**Explanation:** The output file line row could not be added to the ALPOFIL table in the Repository. An entry for the specified output file line already exists.

**User response:** If the cause of this probable application error is not apparent from accompanying messages, contact BMC Customer Support.

### BMC097841

**SQL ERROR ATTEMPTING TO action OUTPUT FILE LINE NUMBER lineNumber FOR WORK ID workIDName**

**Explanation:** The product encountered an SQL error while attempting to perform the action indicated in the message text. The affected Repository table is ALPOFIL. This message is followed by messages BMC097032 and BMC097033.

**User response:** See messages BMC097032 and BMC097033 to determine an appropriate response.

### BMC097842

**SQL ERROR OCCURRED DURING RETRIEVAL OF MAX LINENUM FOR WORK ID workIDName -- MESSAGES FOLLOW:**

**Explanation:** The line number was not specified when trying to add an output file to the named work ID. The product encountered an SQL error while trying
to find the next available file number in the product's Repository. This message
is followed by messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an
appropriate response.

BMC097843 OUTPUT FILE DEFINITION ALREADY EXISTS FOR WORK ID workIDName

Explanation: The output file line row could not be added to the ALPOFIL table
in the Repository. An entry for the specified output file line already exists.

User response: If the cause of this probable application error is not apparent
from accompanying messages, contact BMC Customer Support.

BMC097844 SQL ERROR ATTEMPTING TO FETCH OUTPUT FILE DEFINITIONS FOR
WORK ID workIDName STEP NUMBER stepNumber

Explanation: The product encountered an SQL error while trying to fetch rows
from the Work ID Output Definitions Table (ALPOFIL) in the Repository. The
work ID name and step number specified for the search are shown in the
message text. This message is followed by messages BMC097032 and
BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an
appropriate response.

BMC097845 action OF COLUMN LIST FOR WORK ID workIDName FAILED -- REFER TO
PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

Explanation: The product could not perform an action involving the column
list table (ALPCOLS) in the product's Repository for the displayed work ID
name. Accompanying messages explain the cause of the error.

User response: Refer to the accompanying messages to determine an
appropriate response.

BMC097846 COLUMN LIST ALREADY EXISTS FOR WORK ID workIDName

Explanation: The column list row could not be added to the ALPCOLS table
in the Repository. An entry for the specified column list line already exists.

User response: If the cause of this probable application error is not apparent
from accompanying messages, contact BMC Customer Support.

BMC097847 SQL ERROR ATTEMPTING TO action COLUMN LIST ENTRY FOR WORK ID
workIDName

Explanation: The product encountered an SQL error while attempting to
perform the action indicated in the message text. The affected Repository table
is ALPCOLS. This message is followed by messages BMC097032 and
BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an
appropriate response.
<table>
<thead>
<tr>
<th>Code</th>
<th>Message Description</th>
<th>Explanation</th>
<th>User response</th>
</tr>
</thead>
</table>
| BMC097848 | **SQL ERROR ATTEMPTING TO FETCH COLUMN LISTS FOR WORK ID workIDName STEP NUMBER stepNumber**  
*Explanation:* The product encountered an SQL error while trying to fetch rows from the Column List Table (ALPCOLS) in the Repository. The work ID name specified for the search is shown in the message text. This message is followed by messages BMC097032 and BMC097033.  
*User response:* See messages BMC097032 and BMC097033 to determine an appropriate response. |                                                                                                                                                                                                           |                                                                                                                                                                                                               |
| BMC097849 | **action OF WORK HISTORY FOR WORK ID workIDName FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR**  
*Explanation:* The product could not perform an action involving the work ID history table (ALPWHIS) in the product's Repository for the displayed work ID name. Accompanying messages explain the cause of the error.  
*User response:* Refer to the accompanying messages to determine an appropriate response. |                                                                                                                                                                                                           |                                                                                                                                                                                                               |
| BMC097850 | **SQL ERROR ATTEMPTING TO FETCH WORK HISTORY FOR WORK ID workIDName**  
*Explanation:* The product encountered an SQL error while trying to fetch rows from the work history table (ALPWHIS) in the Repository. The work ID name specified for the search is shown in the message text. This message is followed by messages BMC097032 and BMC097033.  
*User response:* See messages BMC097032 and BMC097033 to determine an appropriate response. |                                                                                                                                                                                                           |                                                                                                                                                                                                               |
| BMC097851 | **SQL ERROR OCCURRED DURING RETRIEVAL OF MAX RUNSEQNUM FOR WORK ID workIDName -- MESSAGES FOLLOW:**  
*Explanation:* The run sequence number was not specified when trying to add an occurrence to the work history table (ALPWHIS) for named work ID. The product encountered an SQL error while trying to find the next available run sequence number for the work ID name in the product's Repository. This message is followed by messages BMC097032 and BMC097033.  
*User response:* See messages BMC097032 and BMC097033 to determine an appropriate response. |                                                                                                                                                                                                           |                                                                                                                                                                                                               |
| BMC097852 | **WORK HISTORY ALREADY EXISTS FOR WORK ID workIDName RUN SEQUENCE NUMBER runSeqNumber**  
*Explanation:* The work history row could not be added to the ALPWHIS table in the Repository. An entry for the specified work ID name/run sequence number combination already exists.  
*User response:* If the cause of this probable application error is not apparent from accompanying messages, contact BMC Customer Support. |                                                                                                                                                                                                           |                                                                                                                                                                                                               |
BMC097853  SQL ERROR ATTEMPTING TO action WORK HISTORY FOR WORK ID workIDName

Explanation: The product encountered an SQL error while attempting to perform the action indicated in the message text. The affected Repository table is ALPWHIS. This message is followed by messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097854  WORK HISTORY FOR WORK ID workIDName COULD NOT BE FOUND FOR action REQUEST

Explanation: The action in the message text could not be carried out because the work history specified does not exist in the ALPWHIS table.

User response: Specify a valid work ID name and submit the job again.

BMC097855  SQL ERROR DURING DELETION OF tableName HISTORY ROWS FOR WORK ID workIDName -- MESSAGES FOLLOW:

Explanation: The product encountered an SQL error while attempting to delete rows from the Repository table displayed in the message text. All deletes requested in the same logical unit of work are rolled back. This message is followed by messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097856  action OF MARK NAME logMarkName VERSION NUMBER versionNumber FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

Explanation: The product could not perform an action involving the Mark Table (ALPMARK) in the product's Repository for the displayed work ID name. Accompanying messages explain the cause of the error.

User response: Refer to the accompanying messages to determine an appropriate response.

BMC097857  SQL ERROR ATTEMPTING TO FETCH MARKS MATCHING THE NAME / PATTERN (logMarkName)

Explanation: The product encountered an SQL error while trying to fetch rows from the Mark Table (ALPMARK) in the Repository. The mark name specified for the search is shown in the message text. This message is followed by messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097858  SQL ERROR ATTEMPTING TO action MARK NAME logMarkName VERSION NUMBER versionNumber

Explanation: The product encountered an SQL error while attempting to perform the action indicated in the message text. The affected Repository table
is ALPMARK. This message is followed by messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097859  **MARK NAME logMarkName ALREADY EXISTS WITH A VERSION NUMBER OF versionNumber**

*Explanation:* The mark name row could not be added to the ALPMARK table in the Repository. An entry for the specified mark name/version number combination already exists.

*User response:* If the cause of this probable application error is not apparent from accompanying messages, contact BMC Customer Support.

BMC097860  **MARK NAME logMarkName VERSION NUMBER versionNumber COULD NOT BE FOUND FOR action REQUEST**

*Explanation:* The action in the message text could not be carried out because the mark name and version number specified does not exist in the ALPWHIS table.

*User response:* Specify a valid mark name and version number combination and submit the job again.

BMC097861  **SQL ERROR OCCURRED DURING RETRIEVAL OF MAX VERSION FOR MARK NAME logMarkName -- MESSAGES FOLLOW:**

*Explanation:* The version number was not specified when trying to add an occurrence to the Mark Table (ALPMARK). The product encountered an SQL error while trying to find the next available version number for the mark name in the product's Repository. This message is followed by messages BMC097032 and BMC097033.

*User response:* See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097862  **PROCESSING recordType REPOS DELETE FOR RECORDS CREATED BEFORE dateValue timeValue**

*Explanation:* The product displays this informational message when you have chosen to delete records from the product's Repository (REPOS DELETE). The message tells you which type of records are being deleted (either overtime or ongoing) and the date and time value that the product has calculated based on your specified parameters (ALL, AGE, DATE, or BEFORE OLDEST ARCHIVE). Processing continues.

*User response:* No action is required.
BMC097866  *action* OF REPORT FILE ROW FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

*Explanation:*  The product could not perform an action involving the Report File Pointer Table (ALPRPTF) in the product's Repository for the displayed work ID name. Accompanying messages explain the cause of the error.

*User response:*  Refer to the accompanying messages to determine an appropriate response.

BMC097867  SQL ERROR ATTEMPTING TO FETCH REPORT FILES MATCHING SPECIFIED CRITERIA

*Explanation:*  The product encountered an SQL error while trying to fetch rows from the Report File Pointer Table (ALPRPTF) in the Repository. This message is followed by messages BMC097032 and BMC097033.

*User response:*  See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097868  SQL ERROR ATTEMPTING TO *action* REPORT FILE ROW FOR DSNAME (*dataSetName*) MEMBER (*member*)

*Explanation:*  The product encountered an SQL error while attempting to perform the action indicated in the message text. The affected Repository table is ALPRPTF. This message is followed by messages BMC097032 and BMC097033.

*User response:*  See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097869  DSNAME *dataSetName* MEMBER NAME *memberName* ALREADY EXISTS IN REPORT FILE TABLE

*Explanation:*  The report file row could not be added to the ALPRPTF table in the Repository. An entry for the specified data set name/member name combination already exists with the same key values.

*User response:*  The product automatically changes an insert request to an update if a row exists with the same key value. If the cause of the error is not apparent from accompanying messages, contact BMC Customer Support.

BMC097870  *action* OF LOGICAL LOG FILE ROW FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

*Explanation:*  The product could not perform an action involving the Logical Log File Pointer Table (ALPLOGF) in the product's Repository for the displayed work ID name. Accompanying messages explain the cause of the error.

*User response:*  Refer to the accompanying messages to determine an appropriate response.
BMC097871  SQL ERROR ATTEMPTING TO FETCH LOGICAL LOG FILES MATCHING SPECIFIED CRITERIA

Explanation:  The product encountered an SQL error while trying to fetch rows from the Logical Log File Pointer Table (ALPLOGF) in the Repository. This message is followed by messages BMC097032 and BMC097033.

User response:  See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097872  SQL ERROR ATTEMPTING TO action LOGICAL LOG FILE ROW FOR DSNAME (dataSetName) MEMBER (member)

Explanation:  The product encountered an SQL error while attempting to perform the action indicated in the message text. The affected Repository table is ALPLOGF. This message is followed by messages BMC097032 and BMC097033.

User response:  See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097873  DSNAME dataSetName MEMBER NAME memberName ALREADY EXISTS IN LOGICAL LOG FILE TABLE

Explanation:  The logical log file row could not be added to the ALPLOGF table in the Repository. An entry for the specified data set name/member name combination already exists with the same key values.

User response:  The product automatically changes an insert request to an update if a row exists with the same key value. If the cause of the error is not apparent from accompanying messages, contact BMC Customer Support.

BMC097874  action OF SQL FILE ROW FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

Explanation:  The product could not perform an action involving the SQL File Pointer Table (ALPSQLF) in the product's Repository for the displayed work ID name. Accompanying messages explain the cause of the error.

User response:  Refer to the accompanying messages to determine an appropriate response.

BMC097875  SQL ERROR ATTEMPTING TO FETCH SQL FILES MATCHING SPECIFIED CRITERIA

Explanation:  The product encountered an SQL error while trying to fetch rows from the SQL File Pointer Table (ALPSQLF) in the Repository. This message is followed by messages BMC097032 and BMC097033.

User response:  See messages BMC097032 and BMC097033 to determine an appropriate response.
BMC097876  SQL ERROR ATTEMPTING TO action SQL FILE ROW FOR DSNAME (dataSetName) MEMBER (member)

Explanation: The product encountered an SQL error while attempting to perform the action indicated in the message text. The affected Repository table is ALPSQLF. This message is followed by messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097877  DSNAMES dataSetName MEMBER NAME memberName ALREADY EXISTS IN SQL FILE TABLE

Explanation: The SQL file row could not be added to the ALPSQLF table in the Repository. An entry for the specified data set name/member name combination already exists with the same key values.

User response: The product automatically changes an insert request to an update if a row exists with the same key value. If the cause of the error is not apparent from accompanying messages, contact BMC Customer Support.

BMC097878  action OF LOAD FILE ROW FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

Explanation: The product could not perform an action involving the Load File Pointer Table (ALPLODF) in the product's Repository for the displayed work ID name. Accompanying messages explain the cause of the error.

User response: Refer to the accompanying messages to determine an appropriate response.

BMC097879  SQL ERROR ATTEMPTING TO FETCH LOAD FILES MATCHING SPECIFIED CRITERIA

Explanation: The product encountered an SQL error while trying to fetch rows from the Load File Pointer Table (ALPLODF) in the Repository. This message is followed by messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097880  SQL ERROR ATTEMPTING TO action LOAD FILE ROW FOR DSNAME dataSetName

Explanation: The product encountered an SQL error while attempting to perform the action indicated in the message text. The affected Repository table is ALPLODF. This message is followed by messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an appropriate response.
BMC097881  **DSNAME dataSetName ALREADY EXISTS IN LOAD FILE TABLE**

**Explanation:** The load file row could not be added to the ALPLODF table in the Repository. An entry for the specified data set name already exists.

**User response:** The product automatically changes an insert request to an update if a row exists with the same key value. If the cause of the error is not apparent from accompanying messages, contact BMC Customer Support.

BMC097893  **SQL ERROR ATTEMPTING TO RETRIEVE MAX WORK ID FOR workIDName -- MESSAGES FOLLOW:**

**Explanation:** The product encountered an SQL error while trying to find the next available work ID number for the work ID name prefix. This message is followed by messages BMC097032 and BMC097033.

**User response:** See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097894  **action OF OPEN UNIT OF RECOVERY FOR WORK ID workIDName FAILED -- REFER TO PRECEDING MESSAGE(S)**

**Explanation:** The product could not perform an action involving the Open Units of Recovery Table (ALPURID) in the product's Repository for the displayed work ID name. Accompanying messages explain the cause of the error.

**User response:** Refer to the accompanying messages to determine an appropriate response.

BMC097895  **UNIT OF RECOVERY WITH RBA (X'rbaValue') ALREADY EXISTS FOR WORK ID workIDName**

**Explanation:** The unit of recovery row could not be added to the ALPURID table in the Repository. An entry with the specified RBA/LRSN value already exists for the work ID name displayed in the message text.

**User response:** Possible application error. If the cause of the error is not apparent from accompanying messages, contact BMC Customer Support.

BMC097896  **SQL ERROR ATTEMPTING TO action UNIT OF RECOVERY FOR WORK ID workIDName**

**Explanation:** The product encountered an SQL error while attempting to perform the action indicated in the message text. The affected Repository table is ALPURID. This message is followed by messages BMC097032 and BMC097033.

**User response:** See messages BMC097032 and BMC097033 to determine an appropriate response.
**BMC097897**  SQL ERROR ATTEMPTING TO RETRIEVE MAX FILTER FOR *filterName* --  
**MESSAGES FOLLOW:**

*Explanation:* The product encountered an SQL error while trying to find the next available filter ID number for the filter name prefix. This message is followed by messages BMC097032 and BMC097033.

*User response:* See messages BMC097032 and BMC097033 to determine an appropriate response.

**BMC097898**  SQL ERROR ATTEMPTING TO FETCH INDEX NAMES MATCHING SPECIFIED CRITERIA

*Explanation:* The product encountered an SQL error while trying to fetch rows from the SQL Index Table (ALPIXSQ) in the Repository. This message is followed by messages BMC097032 and BMC097033.

*User response:* See messages BMC097032 and BMC097033 to determine an appropriate response.

**BMC097899**  SQL ERROR ATTEMPTING TO *action* INDEX NAME *indexName* FOR USERID *userID* IN WORK ID *workID*

*Explanation:* The product encountered an SQL error while attempting to perform the action indicated in the message text. The affected Repository table is ALPIXSQ. This message is followed by messages BMC097032 and BMC097033.

*User response:* See messages BMC097032 and BMC097033 to determine an appropriate response.

**Messages BMC097900 through BMC097999**

This group includes messages for the Log Master for DB2 product.

**BMC097900**  INDEX NAME *indexName* ALREADY EXISTS FOR USERID *userID* IN WORK ID *workIDName*

*Explanation:* The SQL index row could not be added to the ALPIXSQ table in the Repository. An entry for the specified work ID name already exists with the same key values.

*User response:* Possible application error. If the cause of the error is not apparent from accompanying messages, and the indicated row does not exist in the ALPIXSQ table, contact BMC Customer Support.
<table>
<thead>
<tr>
<th>Message ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC097901</td>
<td><strong>action</strong> OF INDEX NAME ROW FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR</td>
</tr>
<tr>
<td></td>
<td><strong>Explanation:</strong> The product could not perform an action involving the SQL Index Table (ALPIXSQ) in the product's Repository for the displayed work ID name. Accompanying messages explain the cause of the error.</td>
</tr>
<tr>
<td></td>
<td><strong>User response:</strong> Refer to the accompanying messages to determine an appropriate response.</td>
</tr>
<tr>
<td>BMC097902</td>
<td><strong>SQL ERROR ATTEMPTING TO action INDEX NAME FOR TABLE NAME</strong> tableName</td>
</tr>
<tr>
<td></td>
<td><strong>Explanation:</strong> The product encountered an SQL error while attempting to perform the action indicated in the message text. The affected Repository table is ALPIXSQ. This message is followed by messages BMC097032 and BMC097033.</td>
</tr>
<tr>
<td></td>
<td><strong>User response:</strong> See messages BMC097032 and BMC097033 to determine an appropriate response.</td>
</tr>
<tr>
<td>BMC097903</td>
<td><strong>THE INDEX NAME FOR TABLE</strong> tableName <strong>COULD NOT BE FOUND FOR action REQUEST</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Explanation:</strong> The action in the message text could not be carried out because the table name specified does not exist in the ALPIXSQ table.</td>
</tr>
<tr>
<td></td>
<td><strong>User response:</strong> Specify a valid table name and submit the job again.</td>
</tr>
<tr>
<td>BMC097904</td>
<td><strong>action</strong> OF DDL FILE ROW FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR</td>
</tr>
<tr>
<td></td>
<td><strong>Explanation:</strong> The product encountered an SQL error while attempting to perform the listed action on the ALPDDLF table in the Repository. Use this message to determine the action that the product was attempting when it encountered the SQL error. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.</td>
</tr>
<tr>
<td></td>
<td><strong>User response:</strong> Use the combined information from this and the succeeding BMC097032 and BMC097033 messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC097905</td>
<td><strong>SQL ERROR ATTEMPTING TO FETCH DDL FILES MATCHING SPECIFIED CRITERIA</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Explanation:</strong> The product encountered an SQL error while trying to fetch rows from the DDL File Pointer Table (ALPDDLF) in the Repository. This message is followed by messages BMC097032 and BMC097033.</td>
</tr>
<tr>
<td></td>
<td><strong>User response:</strong> See messages BMC097032 and BMC097033 to determine an appropriate response.</td>
</tr>
</tbody>
</table>
BMC097906  SQL ERROR ATTEMPTING TO action DDL FILE ROW FOR DSNAME (dataSetName) MEMBER NAME (memberName)

Explanation: The product attempted to store information about an output DDL file into the ALPDDLF table of the Repository. Use this message to determine the action that the product was attempting when it encountered the SQL error. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.

User response: Use the combined information from this and the succeeding BMC097032 and BMC097033 messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

BMC097907  DNAME dataSetName MEMBER NAME memberName ALREADY EXISTS IN DDL FILE TABLE

Explanation: The product attempted to store information about an output DDL file into the ALPDDLF table of the Repository. The product could not store the information because an entry for the specified data set name/member name combination already exists with the same key values. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.

User response: Edit the SYSIN syntax (or redefine the work ID with the online interface) to remove the duplicate output file and submit the job again.

BMC097908  OLD OBJECT ALREADY EXISTST FOR TABLE owner.TableName AT BEGINRBA rbaValue

Explanation: The product cannot add a row to the Old Objects Table (ALPOLDO) in the Repository. An entry for the specified table already exists with the same key values.

User response: The product automatically changes an insert request to an update if a row exists with the same key value. If the cause of the error is not apparent from accompanying messages, contact BMC Customer Support.

BMC097909  SQL ERROR OCCURRED WHILE ATTEMPTING TO action OLD OBJECT FOR TS databaseName.tableSpaceName / TABLE owner.TableName AT BEGINRBA rbaValue

Explanation: The product attempted to store information about an old object into the ALPOLDO table of the Repository. Use this message to determine the action that the product was attempting when it encountered the SQL error. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.

User response: Use the combined information from this and the succeeding BMC097032 and BMC097033 messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.
BMC097910  
**action OF ROW FOR TABLE owner.TableName AT BEGINRBA rbaValue FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR**

*Explanation:* The product encountered an SQL error while attempting to perform the listed *action* on the ALPOLD0 table in the Repository. Use this message to determine the action that the product was attempting when it encountered the SQL error. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.

*User response:* Use the combined information from this and the succeeding BMC097032 and BMC097033 messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

BMC097912  
**OLD OBJ DATA FOR TS databaseName.tableSpaceName / TABLE owner.TableName AT BEGINRBA rbaValue COULD NOT BE FOUND FOR action REQUEST**

*Explanation:* The action in the message text could not be carried out because the old object with the key values listed in this message does not exist in the ALPOLD0 table.

*User response:* If the cause of this possible application error is not apparent from accompanying messages, and the indicated row does exist in the ALPOLD0 table, contact BMC Customer Support.

BMC097913  
**SQL ERROR ATTEMPTING TO FETCH MATCHING OLD OBJECTS FOR TS databaseName.tableSpaceName / TABLE owner.TableName**

*Explanation:* The product encountered an SQL error while trying to fetch rows from the Old Objects Table (ALPOLD0) in the Repository. This message is followed by messages BMC097032 and BMC097033.

*User response:* See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097914  
**SQL CODE LINE ALREADY EXISTS FOR WORK ID NAME workIDName**

*Explanation:* The SQL code row could not be added to the ALPSQLC table in the Repository. An entry for the specified work ID name already exists with the same key values.

*User response:* Possible application error. If the cause of the error is not apparent from accompanying messages, and the indicated row does not exist in the ALPSQLC table, contact BMC Customer Support.

BMC097915  
**SQL ERROR ATTEMPTING TO *action* SQL CODE FOR WORKID NAME workIDName**

*Explanation:* The product encountered an SQL error while attempting to perform the action indicated in the message text on table ALPSQLC. This message is followed by messages BMC097032 and BMC097033.

*User response:* See messages BMC097032 and BMC097033 to determine an appropriate response.
BMC097916  SQL ERROR ATTEMPTING TO FETCH SQL CODE DEFINITIONS FOR WORK ID workIDName

Explanation: The product encountered an SQL error while attempting to fetch the SQL code definitions from table ALPSQLC for the work ID. This message is followed by messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097917  action OF SQL CODE FOR WORKID NAME workIDName FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

Explanation: The action requested of the Repository table ALPSQLC failed for the work ID. Accompanying messages explain the cause of the error.

User response: Refer to the accompanying messages to determine the appropriate response.

BMC097918  WORK ID workIDName SQL CODE LINE NUMBER nnnnnn COULD NOT BE FOUND FOR action REQUEST

Explanation: The action in the message text could not be carried out because the work ID and line number specified does not exist in the ALPSQLC table.

User response: Possible application error. If the cause of the error is not apparent from accompanying messages, and the indicated row does exist in the ALPSQLC table, contact BMC Customer Support.

BMC097919  SQL ERROR ATTEMPTING TO action SQL CODE LINE NUMBER nnnnnn FOR WORK ID workIDName

Explanation: The product encountered an SQL error while attempting to perform the action indicated in the message text on table ALPSQLC. This message is followed by messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097922  SQL ERROR ATTEMPTING TO action INPUT FILE ROW FOR DSNAME (dataSetName) MEMBER (member)

Explanation: The product encountered an SQL error while attempting to perform the action indicated in the message text on table ALPIFIL. This message is followed by messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an appropriate response.
BMC097923  SQL ERROR ATTEMPTING TO FETCH INPUT FILES MATCHING SPECIFIED CRITERIA

Explanation: The product encountered an SQL error while attempting to fetch the input file data from table ALPIFIL for the search criteria. This message is followed by messages BMC097032 and BMC097033.

User response: See messages BMC097032 and BMC097033 to determine an appropriate response.

BMC097924  SQL ERROR ATTEMPTING TO action, SEE FOLLOWING MESSAGES

Explanation: The product displays this general error message when it has received a negative SQL code as it attempts to perform the action described by the text string action. Use this message to determine the action that the product was attempting when it encountered the SQL error. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.

User response: No specific action is required for this message. Use the combined information from this and other related error messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

BMC097926  DROP RECOVER OBJECT ALREADY SPECIFIED

Explanation: The product attempted to store information (about a dropped object specified in your automated drop recovery action) into the ALPDRLN table of the Repository. The product could not store the information because the dropped object has already been specified by the current work ID. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.

User response: Edit the SYSIN syntax (or redefine the work ID with the online interface) to remove the duplicate dropped objects and submit the job again.

BMC097927  SQL ERROR ATTEMPTING TO action DROP RECOVER OBJECT LINE

Explanation: The product encountered an SQL error as it attempted to store or retrieve information (about a dropped object specified in your automated drop recovery action) from the ALPDRLN table of the Repository. Use this message to determine the action that the product was attempting when it encountered the SQL error. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.

User response: Use the combined information from this and the succeeding BMC097032 and BMC097033 messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

BMC097928  DSNAME dataSetName MEMBER NAME memberName ALREADY EXISTS IN DROP RECOVERY FILE TABLE

Explanation: The product attempted to store information (about one of the output files specified in your automated drop recovery action) into the
ALPADRF table of the Repository. The product could not store the information because the output file has already been specified by the current or another work ID. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.

**User response:** Edit the SYSIN syntax (or redefine the work ID with the online interface) to remove the duplicate output file and submit the job again.

**BMC097929**

**SQL ERROR ATTEMPTING TO**

**DROP RECOVERY FILE ROW FOR**

**DSNAME (dataSetName) MEMBER NAME (memberName)**

**Explanation:** The product attempted to store information (about one of the output files specified in your automated drop recovery action) into the ALPADRF table of the Repository. Use this message to determine the action that the product was attempting when it encountered the SQL error. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.

**User response:** Use the combined information from this and the succeeding BMC097032 and BMC097033 messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

**BMC097930**

**SQL ERROR ATTEMPTING TO FETCH DROP RECOVERY FILES MATCHING SPECIFIED CRITERIA**

**Explanation:** The product attempted to retrieve information (about one of the output files specified in your automated drop recovery action) from the ALPADRF table of the Repository. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.

**User response:** Use the combined information from this and the succeeding BMC097032 and BMC097033 messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

**BMC097931**

**SQL ERROR ATTEMPTING TO**

**DROP AN SECURITY EXCEPTION HISTORY**

**FILE ROW FOR TABLEUSERID (owner) TABLENAME (tableName)**

**Explanation:** The product encountered an SQL error as it attempted to store information (about security exceptions that the product has encountered) into the ALPSECH table of the Repository. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.

**User response:** Use the combined information from this and the succeeding BMC097032 and BMC097033 messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

**BMC097932**

**SQL ERROR ATTEMPTING TO FETCH SECURITY EXCEPTION DATA MATCHING SPECIFIED CRITERIA**

**Explanation:** The product encountered an SQL error as it attempted to retrieve information (about security exceptions that the product previously
encountered) from the ALPSECH table of the Repository. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.

*User response:* Use the combined information from this and the succeeding BMC097032 and BMC097033 messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

**BMC097933**

*action OF reposTableName TABLE ROW FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR*

*Explanation:* The product displays this general error message when it has received a negative SQL code as it attempts to perform the overall action described by the text string *action* on the Repository table represented by *reposTableName*. Use preceding related messages to determine the specific SQL code.

*User response:* Use the combined information from this and the preceding related messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

**BMC097935**

*SQL ERROR ATTEMPTING TO FETCH LOGSCAN HISTORY FOR WORKID workIDName*

*Explanation:* The product attempted to retrieve information (about the log scans performed by the listed work ID) from the ALPWLSH table of the Repository. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.

*User response:* Use the combined information from this and the succeeding BMC097032 and BMC097033 messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

**BMC097936**

*SQL ERROR ATTEMPTING TO action LOGSCAN HISTORY FOR WORK ID workIDName*

*Explanation:* The product encountered an SQL error as it attempted to insert information into (or delete information from) the ALPWLSH table of the Repository. The information describes the log scans performed by the listed work ID. Use this message to determine the action that the product was attempting when it encountered the SQL error. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.

*User response:* Use the combined information from this and the succeeding BMC097032 and BMC097033 messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.
BMC097938  SQL ERROR ATTEMPTING TO action ROW INTO NAME TRANSLATION TABLE FOR OLDNAME (oldName) AND NEWNAME (newName)

Explanation: The product encountered an SQL error as it attempted to insert information into (or delete information from) the ALPSQLX table of the Repository. The information describes one of the name translations you asked the product to perform as it generates SQL statements. Use this message to determine the action that the product was attempting when it encountered the SQL error. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.

User response: Examine the name translation (SQLXLAT) specifications of your job. Use the combined information from this and the succeeding BMC097032 and BMC097033 messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

BMC097940  action OF RECOVERY ANALYSIS FOR WORK ID workIDName FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR

Explanation: The product encountered an SQL error while attempting to perform the listed action on the ALPRCVM table in the Repository. Use this message to determine the action that the product was attempting when it encountered the SQL error. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.

User response: Use the combined information from this and the succeeding BMC097032 and BMC097033 messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

BMC097941  SQL ERROR ATTEMPTING TO FETCH RECOVERY ANALYSIS INFORMATION FOR WORK ID workIDName

Explanation: The product encountered an SQL error while attempting to retrieve recovery analysis information from the ALPRCVM table in the Repository. Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered.

User response: Use the combined information from this and the succeeding BMC097032 and BMC097033 messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

BMC097942  SQL ERROR ATTEMPTING TO FETCH A RECOVERY ANALYSIS INFORMATION LIST FOR WORK ID workIDName

Explanation: The product encountered an SQL error while attempting to read a list of recovery analysis information from the ALPRCVM table in the Repository. The succeeding BMC097032 and BMC097033 messages tell you what SQL error the product encountered.

User response: Use the combined information from this and the succeeding BMC097032 and BMC097033 messages to determine and remedy the problem.
If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

**BMC097943**

**SQL ERROR ATTEMPTING TO INSERT RECOVERY ANALYSIS INFORMATION FOR WORK ID workIDName DBID/PSID/OBID dbid. psid. obid**

*Explanation:* The product encountered an SQL error while attempting to insert recovery analysis information into the ALPRCVM table in the Repository. Recovery analysis information for the listed DB2 object (dbid. psid. obid) in the specified time frame already exists for the current work ID. This message indicates that you are probably performing a recovery analysis on the same range of log as a preceding recovery analysis.

*User response:* If you need to repeat a recovery analysis action, purge any old information stored in the Repository by using the REFRESH keyword in the LOGSCAN statement of your SYSIN syntax.

**BMC097944**

**SQL ERROR ATTEMPTING TO DELETE RECOVERY ANALYSIS INFORMATION FOR WORK ID workIDName**

*Explanation:* The product encountered an SQL error while attempting to delete recovery analysis information from the ALPRCVM table in the Repository. Use other related messages to determine the specific SQL code.

*User response:* Use the combined information from this and the other related messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

**BMC097945**

**SQL ERROR ATTEMPTING TO UPDATE RECOVERY ANALYSIS component FOR WORK ID workIDName SQLCODE errorCode**

*Explanation:* The product has encountered an SQL error while attempting to update the ALPRMTA table in the Repository (with status information about the progress of a recovery analysis). This message tells you what action the product was attempting when it encountered the SQL error. The product can issue this message as a warning or as an error condition.

*User response:* If the product issues this message as an error, use the information from this message to determine and remedy the problem. If you cannot determine the problem based on the content of the message, contact BMC Customer Support.

**BMC097946**

**tableName RECORDS CREATED BEFORE THE SPECIFIED DATE COULD NOT BE FOUND FOR DELETE REQUEST**

*Explanation:* The product displays this warning message as it attempts to delete records from the Repository in response to your request (REPOS DELETE). The values specified as part of the request (for example, AGE, DATE, BEFORE OLDEST ARCHIVE) have been resolved into a date and time value,
but no records in the displayed table are older than the calculated date and time. Processing continues.

User response: Examine your specified request. Ensure that the values you specify do in fact select records in the displayed table. If necessary, use SPUFI to examine the Repository and determine which records you want to delete. Update your request and submit the job again. If you need further assistance, contact BMC Customer Support.

**BMC097947**

**SQL ERROR OCCURRED WHILE ATTEMPTING TO** `actionType`

*Explanation:* The product displays this message as it attempts to perform the displayed action on records in the Repository. Normally this message indicates the product is attempting to delete records from the Repository in response to your request (REPOS DELETE). Use the succeeding BMC097032 and BMC097033 messages to determine which SQL error the product encountered. Processing terminates.

User response: Use the combined information from this and the succeeding BMC097032 and BMC097033 messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

**BMC097948**

**DELETING tableName RECORDS WITH recordDateTime LOWER THAN calcDateTime FAILED -- REFER TO PRECEDING MESSAGE(S) FOR CAUSE OF ERROR**

*Explanation:* The product displays this warning message as it attempts to delete records from the Repository in response to your request (REPOS DELETE). The product has encountered an error condition as it attempts to delete records from the displayed Repository table. Use this message to determine which records the product is attempting to delete when it encounters the error. Use any preceding or succeeding messages to determine the type of the error. Processing continues. The product attempts to delete other Repository records as requested.

User response: Use the combined information from this and associated messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

**BMC097949**

`actionType OF reposDataType FOR WORK ID userID.workIDName AND ONGOING HANDLE handleID FAILED -- REFER TO PRECEDING MESSAGE(S)`

*Explanation:* The product displays this warning message when it encounters an error condition as it attempts to delete records from the Repository table that corresponds to type of Repository information displayed as `reposDataType`. (For example, when the message displays “OPEN UNITS OF RECOVERY”, the product is deleting records from the ALPURID table that represent previous runs of ongoing work IDs). The SYSIN syntax of your job or job step specified that the product should delete only those records that are related to a given work ID or set or work IDs. Use this message to determine which records the product is attempting to delete when it encounters the error. Use any preceding
or succeeding messages to determine the type of the error. Processing continues. The product attempts to delete other Repository records as requested.

_User response:_ Use the combined information from this and associated messages to determine and remedy the problem. If you cannot determine the problem based on the content of the error messages, contact BMC Customer Support.

**BMC097951**

`,nnnn RECORDS DELETED BY reposDeleteType REPOS DELETE. nnnnn RECORDS REMAIN IN reposTableName TABLE`

_**Explanation:**_ The product displays this informational message after it successfully completes the Repository delete action specified by the SYSIN syntax of your job or job step. This message tells you how many records were deleted and how many records remain in the table displayed as reposTableName.

_User response:_ No action is required. Use the values in this message to verify whether your Repository delete action accomplished the size reductions you need.
This chapter includes messages for the COPY PLUS for DB2 product, and because COPY PLUS is a component of the Recovery Management for DB2 product, for Recovery Management as well.

For the COPY PLUS for DB2 product, this topic explains each message in the designated range.

**BMC160600E**  
**TABLE** tableName **NOT DEFINED FOR THE TABLE SPACE**  
*Explanation:* There are no tables defined for the table space.  
*User response:* Check the catalog.

**BMC160601E**  
**COLUMN** columnName **NOT DEFINED FOR TABLE** tableName  
*Explanation:* There are no column specifications for the indicated column and table.  
*User response:* Check the catalog.

**BMC160602I**  
**SYSTABLEPART CATALOG STATISTICS FOR** x.x **PARTITION** x  
*Explanation:* Statistics for SYSTABLEPART for the partition will follow.  
*User response:* No action is required. This message is for information only.

**BMC160603I**  
**SYSTABSTATS CATALOG STATISTICS FOR** x.x **PARTITION** x  
*Explanation:* Statistics for SYSTABSTATS for the table and partition will follow.  
*User response:* No action is required. This message is for information only.
BMC160604I  SYSTABLESPACE CATALOG STATISTICS FOR x.x
Explanation: Statistics for SYSTABLESPACE for the space and partition will follow.
User response: No action is required. This message is for information only.

BMC160605I  text
Explanation: The message gives the statistics collected by RUNSTATS processing. See preceding messages for the type of statistics presented.
User response: No action is required. This message is for information only.

BMC160606I  SYSTABLES CATALOG STATISTICS FOR x.x
Explanation: Statistics for SYSTABLES for the table will follow.
User response: No action is required. This message is for information only.

BMC160607I  SYSTABLESPACE STATISTICS NOT AVAILABLE. SOME PARTITIONS HAVE NO STATISTICS
Explanation: RUNSTATS YES has been selected while making a copy of a single partition. Some partitions in the same space do not have statistics in the DB2 catalog; therefore, COPY PLUS cannot calculate aggregate space statistics for SYSTABLESPACE update.
User response: No action is required. This message is for information only.

BMC160608I  SYSTABLES STATISTICS NOT AVAILABLE. SOME PARTITIONS HAVE NO STATISTICS
Explanation: RUNSTATS YES has been selected while making a copy of a single partition. Some partitions in the same space do not have statistics in the DB2 catalog; therefore, COPY PLUS cannot calculate aggregate table statistics for SYSTABLES update.
User response: No action is required. This message is for information only.

BMC160609I  text
Explanation: The message gives the statistics collected by RUNSTATS processing. See preceding messages for more information.
User response: No action is required. This message is for information only.

BMC160610I  text
Explanation: This message is issued only for MSGLEVEL(2) for debugging purposes.
User response: No action is required. This message is for information only.
UNABLE TO UPDATE STATISTICS DUE TO RESTART

Explanation: The copy has been restarted in TERM phase and RUNSTATS YES is specified. COPY PLUS will not be able to update statistics in the DB2 catalog because they are not saved across a restart.

User response: No action is required. This message is for information only.

RUNSTATS CATALOG TIMESTAMP = time

Explanation: The timestamp shown is the time that the RUNSTATS statistics will be noted in the DB2 catalog.

User response: No action is required. This message is for information only.

table STATISTICS UPDATED FOR databaseName.tableSpaceName

Explanation: The DB2 catalog table shown was updated with statistics for the space shown. This message is shared between IBM stats and BMCSTATS.

User response: No action is required. This message is for information only.

table STATISTICS UPDATED FOR databaseName.tableSpaceName PART partNum

Explanation: The DB2 catalog table shown was updated with statistics for the space and partition shown. This message is shared between IBM stats and BMCSTATS.

User response: No action is required. This message is for information only.

CANNOT UPDATE n STATS FOR n DUE TO SQLERROR error

Explanation: An SQL error occurred while updating statistics for BMCSTATS.

User response: Refer to the SQL error message that precedes this message. Make sure that the table spaces referred to by the BMCSTATS synonyms are the correct names and are in RW status.

NOT AUTHORIZED FOR RUNSTATS. CONTINUING WITHOUT STATISTICS

Explanation: RUNSTATS YES is specified, but the user is not authorized to perform RUNSTATS. The copy will continue, but statistics will not be collected. A RC=4 will be issued.

User response: GRANT DB2 STATSAUTH for the database to the user running the copies.

NO ROW IN SYSTABSTATS FOR databaseName.tableSpaceName PART partNum

Explanation: COPY PLUS attempted to updated the row for the space and partition in SYSIBM.SYSTABSTATS, but a row did not exist. COPY PLUS will insert the row into SYSTABSTATS.

User response: No action is required. This message is for information only.
BMC160618I  STATISTICS ARE NOT COLLECTED FOR DSNDB06.SYSCOPY OR DSNDB01

Explanation: Statistics cannot be collected for spaces in the DB2 directory (DSNDB01) or for DSNDB06.SYSCOPY.

User response: No action is required. This message is for information only.

BMC160619E  DATA SET LEVEL STATISTICS NOT ALLOWED FOR databaseName.tableSpaceName

Explanation: The space is not partitioned and a data set level copy is being made. Statistics cannot be collected under these circumstances.

User response: To collect statistics, use DSNUM ALL to make the image copy.

BMC160620I  STARTING SUBTASK taskNumber FOR SPACE tableSpaceName DSNUM n

Explanation: The copy phase for the space name has been started by the subtask indicated.

User response: No action is required. This message is for information only.

BMC160621I  SUBTASK taskNumber COMPLETE FOR SPACE tableSpaceName DSNUM n, RC = returnCode

Explanation: The copy phase for the space name has completed.

User response: No action is required. This message is for information only.

BMC160622E  REALDD name IN USE BY ANOTHER TASK

Explanation: While multitasking, two subtasks have attempted to use the same REALDD concurrently.

User response: Use different DDs for each subtask by using the TASK option and a unique OUTPUT descriptor using a unique REALDD per task, or discontinue use of REALDD.

BMC160623I  MAXTASKS SET TO 1 DUE TO BUFFERS BELOW 16M

Explanation: The I/O buffers cannot be allocated above the 16M line due to your DFP level. Memory is not available for multitasking.

User response: Upgrade to DFSMS 1.1.

BMC160624E  INSTANT SNAPSHOT COPY option NOT SUPPORTED

Explanation: COPY PLUS does not support Instant Snapshots with this option.

User response: Recode your COPY statement to omit either the option or the request for Instant Snapshots.

BMC160625I  OPTION option IGNORED FOR INSTANT SNAPSHOTA COPY

Explanation: You coded an option that does not apply to an Instant Snapshot.

User response: No action is required. This message is for information only.
BMC160626I  INSTANT SNAPSHOT COPY outputDataSetName COMPLETE  
Explanation: COPY PLUS has successfully made an Instant Snapshot to the specified data set.  
User response: No action is required. This message is for information only.

BMC160627E  INSTANT SNAPSHOT COPY ERROR: errorInformation  
Explanation: COPY PLUS was unable to make an Instant Snapshot.  
User response: Use the error information included in this message and in the messages preceding this message to determine the cause of the failure. Refer to the XBM documentation for additional information on return codes contained in this message.

BMC160628E  OPTIMIZED COPY IS NOT AVAILABLE  
Explanation: The optimized copy facility is required for this copy but is not available. This message may be displayed if SMART RECOVER has specified optimized copies, but the optimized copy facility is disabled in COPY PLUS. This is a fatal error, and COPY PLUS ends with condition code 8.  
User response: Contact BMC Customer Support.

BMC160629E  OPTIMIZED COPY ERROR: errorMessage  
Explanation: COPY PLUS encountered an optimized copy error.  
User response: Use the associated message to determine the source of the problem and resubmit your job.

BMC160630I  RESTARTING tableSpaceName DNUM n, PHASE = phaseName  
Explanation: COPY PLUS is restarting the space shown in the phase shown.  
User response: No action is required. This message is for information only.

BMC160631E  tableSpaceName DNUM n IN BMCSYNC BUT NOT IN SYSIN  
Explanation: During a restart, COPY PLUS found a row in BMCSYNC for the space shown, but it was not located in the SYSIN control cards.  
User response: Ensure that you are using the same SYSIN for the utility ID as the failing run. You can also restart using NEW/RESET.

BMC160632W  CANNOT SWITCH TO DBM1 AUTH ID, CONTINUING WITH JOB USER ID - RC = returnCode  
Explanation: COPY PLUS was unable to switch to the DB2 RACF ID to open DB2 data sets (see OPNDB2ID). COPY PLUS continues using the RACF ID of the user running COPY PLUS and reports the return code.  
User response: If the copy does not complete successfully, contact BMC Customer Support.
BMC160635I  ZIIP [NOT] ENABLED (xbmReturnCode) [USING XBM SUBSYSTEM ssid]

Explanation: This message indicates that the utility either enabled zIIP processing successfully or could not enable zIIP processing. If the utility discovered the XBM subsystem, the message displays the ID of that subsystem.

The message displays the return code that XBM issues. If zIIP processing was not enabled, possible return codes are as follows:

<table>
<thead>
<tr>
<th>Return code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>An internal error occurred. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>20</td>
<td>The product is not using the correct XBM API module (that is, XBMXCCIF) for communicating to the specified XBM subsystem. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>115</td>
<td>You specified an XBM subsystem and that XBM subsystem was found. However, the XBM subsystem did not support zIIP enablement or did not have an XBM component that the product requires. Ensure that, if you specify an XBM subsystem, all required XBM components are active (for example, the DB2 and zIIP component) on that subsystem.</td>
</tr>
<tr>
<td>117</td>
<td>The product issued a request to the XBM subsystem. However, the XBM subsystem is not at the correct maintenance level, or a required component is not active. Ensure that the XBM subsystem supports zIIP processing and that any required XBM components are active (for example, the DB2 and zIIP component).</td>
</tr>
</tbody>
</table>

User response: If zIIP enablement was successful, no action is required.

If zIIP enablement was not successful and you want to offload processing to a zIIP, correct the problem and restart or rerun the utility job. If you are unable to correct the problem, contact BMC Customer Support.

BMC160637W  KEY DATA SET IS NOT AVAILABLE

Explanation: COPY PLUS could not open the key data set.

User response: Check that the key data set is specified with the KEYDSNAM installation option and that the data set exists.
<table>
<thead>
<tr>
<th>Code</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC160637W</td>
<td><strong>ENCCRYPTION/DECRYPTION IS NOT SUPPORTED</strong>&lt;br&gt;<strong>ENCCRYPTION SUPPORT</strong>&lt;br&gt;<strong>REQUIRES THE RECOVERY MANAGEMENT FOR DB2 SOLUTION</strong>&lt;br&gt;&lt;br&gt;<strong>Explanation:</strong> The encryption feature requires a Recovery Management solution password.&lt;br&gt;&lt;br&gt;<strong>User response:</strong> Acquire and activate a Recovery Management solution license. Please contact BMC Customer Support if you need assistance.</td>
</tr>
<tr>
<td>BMC160637W</td>
<td><strong>ENCCRYPTION KEY IS NOT AVAILABLE</strong>&lt;br&gt;&lt;br&gt;<strong>Explanation:</strong> COPY PLUS could not get a key value from the key data set.&lt;br&gt;&lt;br&gt;<strong>User response:</strong> Check that the key data set is not empty and that it is formatted correctly.</td>
</tr>
<tr>
<td>BMC160638E</td>
<td><strong>COPY INVALIDATED: PARTITIONED SPACE</strong> tableSpaceName&lt;br&gt;**DYNAMICALLY ALTERED. PARTITION { ADDED</td>
</tr>
<tr>
<td>BMC160638I</td>
<td><strong>COPY INVALIDATED: PARTITIONED SPACE</strong> tableSpaceName&lt;br&gt;**DYNAMICALLY ALTERED. PARTITION { ADDED</td>
</tr>
<tr>
<td>BMC160639E</td>
<td><strong>VSAM ERROR RC = returnCode1, VSAM RC = returnCode2, REASON = reason, text</strong>&lt;br&gt;&lt;br&gt;<strong>Explanation:</strong> COPY PLUS received a VSAM I/O error while reading the BSDS.&lt;br&gt;&lt;br&gt;<strong>User response:</strong> Check JES messages for an explanation of the I/O error. Correct the problem if you understand why it occurred, or contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC160641E</td>
<td><strong>INDEX SPACE</strong> tableSpaceName <strong>DOES NOT EXIST</strong>&lt;br&gt;&lt;br&gt;<strong>Explanation:</strong> The index space named was not found in the DB2 catalog.&lt;br&gt;&lt;br&gt;<strong>User response:</strong> Check the name and change the syntax.</td>
</tr>
</tbody>
</table>
**BMC160642E**  
*tableSpaceName1'*S RELATED TABLE SPACE *tableSpaceName2* CANNOT BE QUIESCED

Explanation: An index space is being copied and requires the associated table space to be quiesced, but the table space is in a status that prohibits a quiesce. This can occur if the space or one of its related objects is a DEFINE NO space.

User response: Display the table space and take action to correct its status. Then restart the copy.

---

**BMC160642W**  
*tableSpaceName1'*S RELATED TABLE SPACE *tableSpaceName2* CANNOT BE QUIESCED

Explanation: An index space is being copied and requires the associated table space to be quiesced, but the table space is in a status that prohibits a quiesce. This can occur if the space or one of its related objects is a DEFINE NO space.

User response: Display the table space and take action to correct its status. Then restart the copy.

---

**BMC160643E**  
**OPTION option NOT VALID FOR AN INDEX**

Explanation: The option is not valid for an index copy

User response: Remove the option from your syntax and restart the copy.

---

**BMC160644I**  
**OPTION option WILL NOT APPLY TO INDEXSPACE *tableSpaceName**

Explanation: The option is not supported for index copies. It will be ignored. COPY PLUS displays this message only when you specify the PARSE utility restart parameter on the EXEC statement.

User response: No action is required. This message is for information only.

---

**BMC160646I**  
**USING READTYPE FULLSCAN RESETMOD NO, DUE TO { TRACKMOD NO | BEING ALTERED }

Explanation: If a space has the TRACKMOD NO attribute, COPY PLUS sets RESETMOD NO and READING FULLSCAN when making a copy. If you specify DSNUM ALL and any of the partitions have the TRACKMOD NO attribute, or if a specific partition is being copied and it has the TRACKMOD NO attribute, CHANGELIMIT is not valid. FULL AUTO is allowed, but only MAXINCRS, FULLDAY, and MINPAGES apply for determining full or incremental copies. Any table space or partition that has the TRACKMOD NO attribute is assumed to have 100 percent changed pages. Consequently, FULL AUTO and CHANGELIMIT copies usually yield full copies.

COPY PLUS issues this message with DUE TO BEING ALTERED if partitions have been altered, which causes READING to change to FULLSCAN, which in turn causes RESETMOD to be set to NO.

User response: No action is required. This message is for information only.
**BMC160647I**  INVALIDATING DB2 SQL STATEMENT CACHE  
*Explanation:* The message indicates that COPY PLUS is invalidating the dynamic SQL statement cache for RUNSTATS for DB2 V5 or later.  
*User response:* No action is required. This message is for information only.

**BMC160648W**  THIS COPY OF NONPARTITIONED MULTI-DATA SET SPACE MAY NOT BE SUITABLE FOR A DSNUM ALL RECOVERY  
*Explanation:* RECOVER PLUS cannot recover a nonpartitioned multi-data-set space using DSNUM ALL if the copies of the individual data sets are registered at different RBAs/LRSNs or if the copy is a mix of Instant Snapshots and standard copies.  
*User response:* No action is necessary. If a DSNUM ALL recovery is desired, the COPY command should be changed to GROUP YES and the associated OUTPUT command changed to either DSSNAP YES or DSSNAP NO.

**BMC160649E**  {COPY | COPY IMAGECOPY | QUIESCE } OF tableSpaceName(n) BYPASSED DUE TO UNDEFINED DATA SET  
*Explanation:* COPY PLUS omitted copying or quiescing this space since DB2 has marked the page set undefined by placing a -1 in the SPACE column of SYSTABLEPART or SYSINDEXPART.  
*User response:* No action is required.

**BMC160649I**  {COPY | COPY IMAGECOPY | QUIESCE } OF tableSpaceName(n) BYPASSED DUE TO UNDEFINED DATA SET  
*Explanation:* COPY PLUS omitted copying or quiescing this space since DB2 has marked the page set undefined by placing a -1 in the SPACE column of SYSTABLEPART or SYSINDEXPART.  
*User response:* No action is required. This message is for information only.

**BMC160650E**  PACLOG SECURITY CONFIGURATION ERROR - CHECK PASSWORDS  
*Explanation:* When using COMPRESS YES, the PACLOG security check found an inconsistency. The copy will continue without compression.  
*User response:* Contact your BMC sales representative.

**BMC160651E**  PACLOG SECURITY CHECK FAILED, RC = returnCode - CHECK JES LOG MESSAGE  
*Explanation:* When using COMPRESS YES, the PACLOG security check failed. The copy will continue without compression.  
*User response:* Ensure that you have the PACLOG authorization module in your JOBLIB or STEPLIB. Check whether your trial expired or the CPU is not authorized. See the job log for additional messages. If the trial period has expired, contact your BMC sales representative for assistance.
**BMC160652I**  
**COMPRESSION NOT USED, copy IS TAPE**  
*Explanation:* The output device type is tape so XCA compression will not be used.  
*User response:* No action is required. This message is for information only. You can use IDRC or other hardware compression for tape devices.

**BMC160653W**  
**COMPRESSION INITIALIZATION FAILURE ON dataSetName**  
*Explanation:* Compression initialization for the data set name failed. The copy will continue without compression. See BMC160654 for more detail.  
*User response:* Review other messages.

**BMC160654W**  
**XXCA RC = returnCode, REASON = reason**  
*Explanation:* XCA service failed with the return code and reason shown. The copy will continue without compression.  
*User response:* Correct the problem if you understand why it occurred, or contact BMC Customer Support.

**BMC160655I**  
**SHUTDOWN REQUESTED BY OPERATOR**  
*Explanation:* Operator has shutdown the agent.  
*User response:* This message appears in the SYSPRINT of the agent job. No action is required.

**BMC160656I**  
**DISPLAY OF XCF GROUP groupName**  
*Explanation:* This message appears at the end of an agent display and states whether the display was successful or not.  
*User response:* If the display was not successful, check the associated messages, correct the problem, and retry the display.

**BMC160657E**  
**SHUTDOWN OF XCF GROUP groupName FAILED**  
*Explanation:* An attempt to shut down the COPY PLUS agents failed.  
*User response:* Check the associated messages for the cause of the problem and retry.

**BMC160658I**  
**SHUTDOWN OF XCF GROUP groupName PENDING**  
*Explanation:* An attempt to shut down the COPY PLUS agent is successful.  
*User response:* No action is required. This message is for information only.

**BMC160659I**  
**XCF GROUP groupName MEMBER: memberName**  
*Explanation:* This message is written by COPY PLUS to specify members of the XCF group.  
*User response:* No action is required. This message is for information only.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message Text</th>
</tr>
</thead>
</table>
| **BMC160660I** | **PROCESSING COMMAND command ON space**  
*Explanation:* COPY PLUS is currently processing the command shown on the space shown. This message replaces echoing the entire command a second time.  
*User response:* No action is required. This message is for information only. |
| **BMC160661I** | **ILLEGAL MEMBER NAME qualifier(member)**  
*Explanation:* COPY PLUS has constructed an illegal member name.  
*User response:* Contact BMC Customer Support. |
| **BMC160662I** | **ILLEGAL STRING string IN GROUP NAME groupName**  
*Explanation:* The group name taken from your options table contains an illegal string.  
*User response:* Check the requirements for the XCFGROUP install option in Appendix A, make necessary changes, and resubmit the job. |
| **BMC160663I** | **ILLEGAL FIRST CHARACTER char IN GROUP NAME groupName**  
*Explanation:* The group name taken from your options table contains an illegal string.  
*User response:* Check the requirements for the XCFGROUP install option in Appendix A, make necessary changes, and resubmit the job. |
| **BMC160664I** | **ILLEGAL CHARACTER X’xx’ IN GROUP NAME groupName**  
*Explanation:* The group name taken from your options table contains an illegal string.  
*User response:* Check the requirements for the XCFGROUP install option in Appendix A, make necessary changes, and resubmit the job. |
| **BMC160665I** | **GROUP NAME groupName IS TOO LONG**  
*Explanation:* The group name taken from you options table is too long.  
*User response:* Check the requirements for the XCFGROUP install option in Appendix A, make necessary changes, and resubmit the job. |
| **BMC160666I** | **UNEXPECTED END OF XCF GROUP MEMBER memberName**  
*Explanation:* The XCF agent terminated unexpectedly.  
*User response:* Determine the cause of the termination and if necessary restart the started task. |
| **BMC160667I** | **XCF GROUP MEMBER memberName DISCONNECTING**  
*Explanation:* The XCF agent is disconnecting from the group.  
*User response:* No action is required. This message is for information only. |
**BMC160668I**  
**XCF code RETURN CODE = returnCode REASON CODE = reasonCode**  
*Explanation:* Message contains the return code and reason code for an XCF error. The meaning of the codes can be found in *MVS/ESA Programming: Sysplex Services Reference.*  
*User response:* If you cannot determine the cause of the error from the return code, reason code, and associated messages, contact BMC Customer Support.

**BMC160669I**  
**STARTING XCF SERVICES WITH MEMBER memberName**  
*Explanation:* Program is initializing XCF services with the remote member.  
*User response:* No action is required. This message is for information only.

**BMC160670I**  
**productName WAITING FOR AGENT agentName**  
*Explanation:* The *productName* given is waiting for an agent to join the XCF group.  
*User response:* This message is written to the JES message log to alert the user that the agent has not joined XCF group. Determine why the agent has not joined the group, and if necessary, restart the agent job.

**BMC160671I**  
**CONNECTING TO XCF GROUP MEMBER memberName**  
*Explanation:* COPY PLUS is establishing a session with the agent.  
*User response:* No action is required. This message is for information only.

**BMC160672I**  
**CONNECT TO XCF GROUP MEMBER memberName FAILED**  
*Explanation:* COPY PLUS was unable to establish a session with the agent.  
*User response:* Use the associated return codes and messages to determine the cause of the failure.

**BMC160673I**  
**ENDING XCF SERVICES WITH MEMBER memberName**  
*Explanation:* COPY PLUS is disconnecting from the agent.  
*User response:* No action is required. This message is for information only.

**BMC160674I**  
**XCF GROUP groupName STARTED**  
*Explanation:* COPY PLUS has started a XCF group.  
*User response:* No action is required. This message is for information only.

**BMC160675I**  
**XCF GROUP groupName JOIN SUCCESSFUL FOR MEMBER memberName**  
*Explanation:* COPY PLUS has joined an existing group.  
*User response:* No action is required. This message is for information only.
BMC160676E  XCF JOIN FAILED - GROUP: **groupName** MEMBER: **memberName**

*Explanation:* COPY PLUS was unable to join the XCF group.

*User response:* Use the associated return codes and messages to determine the cause of the failure.

BMC160677I  MEMBER **memberName** LEAVING XCF GROUP **groupName**

*Explanation:* COPY PLUS is disconnecting from the group.

*User response:* No action is required. This message is for information only.

BMC160678E  TIMEOUT EXCEEDED FOR **string** AGENT

*Explanation:* COPY PLUS has either been unable to perform an initial connection to a COPY PLUS agent or has been unable to send the agent a request for data.

*User response:* Check that COPY PLUS agents are running on the systems where members of your DB2 data sharing group are running. Start any agents that may not be running. If all of your agents are running, lengthen the time COPY PLUS will wait for the agent to respond by increasing the size of the XCFWAIT install option.

BMC160678W  TIMEOUT EXCEEDED FOR **string** AGENT

*Explanation:* COPY PLUS has either been unable to perform an initial connection to a COPY PLUS agent or has been unable to send the agent a request for data.

*User response:* Check that COPY PLUS agents are running on the systems where members of your DB2 data sharing group are running. Start any agents that may not be running. If all of your agents are running, lengthen the time COPY PLUS will wait for the agent to respond by increasing the size of the XCFWAIT install option.

BMC160679E  VALUE -1 MAY NOT EXCEED VALUE-2 FOR OPTION **option**

*Explanation:* The value-1 specified for the option shown is not valid with the value-2 specified.

*User response:* Change the value-1. Review the product documentation for syntax information.

BMC160680E  VERSION **versionNumber** AGENT IS NOT COMPATIBLE WITH THE DISPLOCK NO OPTION

*Explanation:* When using the DISPLOCK=NO option, the agents must be at COPY PLUS version 5.5 level or later. The agent was at the lower version shown.

*User response:* Terminate the agent and use a COPY PLUS version 5.5 or later load library to run ACPXSTC from, and then restart the agent.
BMC160681E  DSND01.SYSUTILX CANNOT BE QUIESCED IN A GROUP
Explanation:  
COPY PLUS cannot quiesce DSND01.SYSUTILX in a group.
User response:  
Remove DSND01.SYSUTILX from the QUIESCE command's list of table spaces or use the EXCLUDE option to exclude it.

BMC160682W  UTILITY ID utilityID NOT FOUND IN BMCUTIL - ATTEMPTING UTILITY TERMINATION
Explanation:  
The COPY PLUS job specified termination of a utility ID that could not be found in the BMCUTIL table. The utility ID was found in the BMCSYNC table and COPY PLUS attempted to terminate the utility ID using the information in this table.
User response:  
If the termination was successful, no action is required unless the COPY PLUS utilityID being terminated involved restartable Snapshot. If the copy was a restartable Snapshot Copy, you will need to terminate Snapshot caching for the spaces involved using the XBM Utility Monitor.

BMC160683W  RESTARTABLE SNAPSHOT REQUIRES XBM 3.0 OR HIGHER
Explanation:  
COPY PLUS requires BMC XBM version 3.0 for restartable Snapshot. COPY PLUS continues the copy in this situation with a return code 4.
User response:  
Resubmit the job using XBM version 3.0.

BMC160684I  RELEASING PENDING SNAPSHOT RESOURCES
Explanation:  
COPY PLUS has determined that XBM is managing resources that COPY PLUS no longer needs and has requested that XBM release these resources.
User response:  
No action is required. This message is for information only.

BMC160685I  PENDING SNAPSHOT RESOURCES RELEASED
Explanation:  
XBM has released all resources it was managing for COPY PLUS.
User response:  
No action is required. This message is for information only.

BMC160686E  UNABLE TO RELEASE ALL PENDING SNAPSHOT RESOURCES
Explanation:  
COPY PLUS has unsuccessfully requested that XBM release COPY PLUS resources.
User response:  
If XBM is stopped or was stopped and restarted, the resources originally managed by XBM for COPY PLUS have been released and could not be released by COPY PLUS.

BMC160687E  databaseName.space DSNUM n NOT IN ORIGINAL GROUP
Explanation:  
During a restart, COPY PLUS detected that a new object has appeared in the group that was not there during the original execution based on information in the BMCSYNC table.
User response:  
Use NEW/RESTART to start over.
**BMC160688I**  
*databaseName.space DSNUM n*

*Explanation:* This message provides additional information to clarify a preceding message by identifying the objects involved.

*User response:* No action is required. This message is for information only.

**BMC160690I**  
POTENTIAL FOR OUTPUT DATASET NAME DUPLICATION, NAME = name

*Explanation:* You have specified DSNUM PART or DSNUM DATASET and an output data set name that may result in duplicate output data set names for some or all of the partitions. COPY PLUS also issues this message if you are making a cabinet copy using multitasking. BMC160690 always accompanies BMC180097.

*User response:* Specify unique output data set names using COPY PLUS symbolic variables such as &SEQ, &PART, &TIME, etc. For cabinet copies made using multitasking, &SEQ or &TASK are required in the data set name.

**BMC160691I**  
CONNECTED TO SUBSYSTEM ssid

*Explanation:* This message shows the subsystem that COPY PLUS is currently connected to when a group attachment name (DB2 data sharing) was used.

*User response:* No action is required. This message is for information only.

**BMC160692W**  
SYSIN CONTAINS NO COPY OR RECALL COMMANDS

*Explanation:* After processing the SYSIN data set, COPY PLUS found no COPY or RECALL commands to execute.

*User response:* No action is required. This message is for information only.

**BMC160693E**  
UTILID ERROR: reason

*Explanation:* COPY PLUS has detected an error in the UTILID provided. The rules for a user-provided UTILID are:

- The UTILID can be 1 to 16 characters.
- The UTILID consists of alphanumeric characters, plus the characters '!', '#', '$', '@', '!', '~', and '€'.

*User response:* Replace the utility id and submit the job again.

**BMC160694I**  
USING FULLSCAN DUE TO PARTIAL RECOVERY TO X'rba/lrsn'

*Explanation:* While performing an incremental copy, COPY PLUS detected that a point-in-time recovery has been done since the last image copy. The last image copy was either a full copy or a RESETMOD NO incremental. READTYPE FULLSCAN will be used to ensure that all updated pages are included in the copy.

*User response:* No action is required. This message is for information only.
BMC160695I  sysInputLines
Explanation: COPY PLUS has detected a syntax error in a COPY command and this message indicates the lines in error.
User response: Edit your input according to the rules in the COPY PLUS Reference Manual.

BMC160696I  productName COMMAND EXPECTED
Explanation: The productName given did not find a valid command, such as COPY, OUTPUT, etc., where it expected to find one.
User response: Correct the error and run the job again.

BMC160697I  UNABLE TO OBTAIN RBA, USING FULLSCAN
Explanation: SHRLEVEL CHANGE incremental initialization for random reading was unable to obtain a usable RBA or LRSN, so the READTYPE was changed to FULL SCAN.
User response: This message is for information only, but you may want to consider using QUIESCE BEFORE or READTYPE FULL SCAN to prevent this situation.

BMC160698E  INCORRECT VALUE value SPECIFIED FOR OPTION option
Explanation: The value specified for the option shown is not valid.
User response: Change the value. Review the product documentation for information about the option.

BMC160699E  VALUE value IS OUT OF RANGE FOR OPTION option
Explanation: The value specified for the option shown is not within the valid range.
User response: Change the value. Review the product documentation for syntax information.
Messages BMC180000 through BMC180199

This chapter includes messages for the COPY PLUS for DB2 product, and because COPY PLUS is a component of the Recovery Management for DB2 product, for Recovery Management as well.

Messages BMC180000 through BMC180099

For the COPY PLUS for DB2 product, this topic explains each message in the designated range.

BMC180001E  CANNOT MIX DATE OR AGE WITH OTHER QUALIFIERS

Explanation: In a MODIFY DELETE, the syntax contained both a DATE or AGE and WHERE column condition list.

User response: Change the syntax to use either DATE, AGE, or a WHERE condition. Refer to Chapter 3 for the syntax.

BMC180002I  ORPHANED INCREMENTAL AT X'hexRBA'

Explanation: When doing MODIFY DELETE, a row from SYSCOPY will be deleted, but it will leave a subsequent related incremental copy in SYSCOPY at the START_RBA shown. The incremental copy will not be usable for recovery because required previous copies are being deleted.

User response: This behavior is compatible with DB2 MODIFY RECOVERY. No action is required. This message is for information only.

BMC180003E  COPY NOT DELETED AT X'hexRBA', CREATES INCORRECT ASSOCIATION AT X'hexRBA'

Explanation: During a MODIFY DELETE, a row in SYSCOPY meets the criteria for deletion, but deleting it would cause a subsequent incremental copy to become associated with a previous image copy that is not being deleted. The association would create inconsistent results if a recovery were needed.

User response: Check SYSCOPY and change the selection criteria to avoid the situation by deleting more or fewer rows from SYSCOPY.
**BMC180004E**  **MATCHING BACKUP COPY NOT MARKED FOR DELETION AT RBA X'hexRBA'**

*Explanation:* During a MODIFY DELETE, a row in SYSCOPY or BMCXCOPY meets the selection criteria, but its associated backup copy does not match the criteria. Deleting the row would result in an inconsistent state in the table and the backup copy would not be usable for recovery.

*User response:* Check SYSCOPY or BMCXCOPY for the rows at the START_RBA shown, and modify the selection criteria to either include the backup copy or exclude its primary copy.

**BMC180005E**  **DUPLICATE COPY ROW AT START_RBA X'hexRBA'**

*Explanation:* The MODIFY INSERT or UPDATE command would result in a duplicate entry in SYSCOPY or BMCXCOPY at the START_RBA shown.

*User response:* Check SYSCOPY or BMCXCOPY for rows at the START_RBA column. Change the MODIFY command so that the row is unique, or delete the existing row before inserting or updating.

**BMC180006E**  **MATCHING PRIMARY COPY (copyName) NOT FOUND AT RBA X'hexRBA'**

*Explanation:* During MODIFY INSERT of a backup copy, a primary copy of the same site type was not found at the START_RBA shown.

*User response:* Ensure that a backup copy has an associated primary copy.

**BMC180007E**  **INCREMENTAL COPY NOT ALLOWED AFTER ICTYPE type AT RBA X'hexRBA'**

*Explanation:* During MODIFY INSERT, an attempt is being made to insert an incremental copy at the START_RBA shown, but an entry with the ICTYPE shown has been found in SYSCOPY since the most recent copy, which prohibits the existence of an incremental copy at that point.

*User response:* Check the rows in SYSCOPY before the incremental copy being inserted, particularly at the START_RBA shown.

**BMC180008E**  **INCREMENTAL COPY NOT ALLOWED - FULL COPY NOT FOUND**

*Explanation:* During MODIFY INSERT an attempt is being made to insert an incremental copy, but no full copy exists in SYSCOPY.

*User response:* Check the rows in SYSCOPY. Insert a full copy before the incremental copy, or insert the incremental copy at the correct point.

**BMC180009E**  **ROW AT X'hexRBA' DOES NOT HAVE ICBACKUP TYPE type**

*Explanation:* During MODIFY INSERT, an attempt is being made to insert an incremental copy, but there is no copy of the ICBACKUP type shown between the incremental copy and its associated full copy.

*User response:* Check SYSCOPY. Insert a row for the ICBACKUP type at the START_RBA shown first or insert the new incremental copy at the correct location.
BMC180010E  REQUIRED VALUE FOR string IS MISSING
Explanation: During MODIFY INSERT, a value for a required column was not specified, and no default is in place.
User response: Add the option and its value. See Chapter 3 for the syntax.

BMC180011E  START_RBA X'hexRBA' IS BEYOND CURRENT X'hexRBA'
Explanation: During a MODIFY INSERT, the START_RBA value specified is beyond the DB2 current log point.
User response: Change the START_RBA value to be within the current range. The DB2 Print Log Map utility can be used to identify the highest written log point.

BMC180012E  INVALID ICTYPE type AT RBA X'hexRBA'
Explanation: The value specified for ICTYPE at the RBA shown is not valid.
User response: The value must be one of the following: Q, F, I, or i.

BMC180013E  string VALUE NOT CONSISTENT WITH string AT X'startRba'
Explanation: The values specified for the two options shown are not consistent with each other.
User response: Change the value for one of the options shown.

BMC180014E  MISMATCH BETWEEN TIMESTAMP AND ICDATE/ICTIME
Explanation: A value for TIMESTAMP was specified along with a value for ICDATE or ICTIME, but they do not match.
User response: Specify only TIMESTAMP, only ICDATE and ICTIME, or specify the consistent values for the options.

BMC180015E  string INVALID FOR DB2 VERSION
Explanation: The option and value shown are not valid for the current DB2 version.
User response: Supply a valid value or remove the option from the syntax.

BMC180016E  string ONLY VALID FOR DATA SHARING
Explanation: The option shown is only valid for data sharing subsystems.
User response: Do not specify the option or value.

BMC180017W  SPACE databaseName$tableSpaceName IS IN USE BY ANOTHER DB2 UTILITY
Explanation: The space is in UTRW and a COPY PLUS job is running.
User response: No action is required.
BMC180018I  NO ROWS MATCH CRITERIA. NO PROCESSING DONE.

Explanation: No rows in SYSCOPY or BMCXCOPY matched the criteria specified, so no processing was done.
User response: Review the criteria if this result was not expected.

BMC180019I  DATA SET dataSetName NOT FOUND IN ICF CATALOG

Explanation: The data set shown was not found in the ICF catalog.
User response: No action is required. This message is for information only.

BMC180020I  COPY DELETED AT START_RBA X'hexRBA', DSNAME dataSetName

Explanation: The copy at the START_RBA shown with the data set name shown has been deleted from SYSCOPY or BMCXCOPY.
User response: No action is required. This message is for information only.

BMC180021E  DSNUTILB (utilityName) FAILED WITH RC = returnType

Explanation: DB2 MODIFY RECOVERY was invoked to clean up SYSLGRNG, but failed with the return code shown.
User response: Review the DSN prefixed messages in SYSPRINT preceding this message to determine the problem. Restart with SYSLGRNG NO to bypass SYSLGRNG cleanup if the problem cannot be resolved.

BMC180022W  NO COPIES FOUND FOR SITETYPE siteType

Explanation: No copies are registered in SYSCOPY or BMCXCOPY for the site type shown.
User response: Make an image copy.

BMC180023E  MODIFY SUBCOMMAND MISMATCH, PHASE = phaseName

Explanation: While attempting to restart a MODIFY command, the phase registered in the BMCSYNC table did not match a valid phase for the subcommand being restarted.
User response: Verify that the SYSIN is the same as on the original execution, or use NEW/RESET to start the utility over.

BMC180024E  MIXING SUBCOMMANDS WITHIN MODIFY IS NOT ALLOWED

Explanation: Within a single MODIFY command, only one type of subcommand is allowed.
User response: Split the MODIFY command into multiple MODIFY commands--each with a single subcommand type. Refer to Chapter 3 for help with the syntax and semantics.
**BMC180025W**  
**SYSCOPY ROW AT START_RBA X’hexRBA’ HAS ICTYPE type**

*Explanation:* The row in SYSCOPY at the START_RBA shown with the ICTYPE shown indicates that the space or partition is not currently recoverable.

*User response:* Use ON NOTRECOVERABLE COPY to make a copy, or use a copy utility to make a copy.

**BMC180026W**  
**LIMITED RECOVERABILITY AT siteType SITE DUE TO INCREMENTAL ATX’hexRBA’**

*Explanation:* There is an incremental copy registered at the START_RBA shown that does not have a corresponding entry for the site type shown. This prevents recovery to current at the site type.

*User response:* Use ON NOTRECOVERABLE COPY to make a copy, or use a copy utility to make a copy.

**BMC180027W**  
**NUMBER OF COPIES value LESS THAN MINIMUM value AT siteType SITE**

*Explanation:* The number of copies in SYSCOPY or BMCXCOPY shown in the message is less than the minimum specified in MINIMUM COPIES for the site type shown.

*User response:* Use ON NOTRECOVERABLE COPY to make a copy, or use a copy utility to make a copy.

**BMC180028W**  
**value DAYS SINCE LAST COPY GREATER THAN MAXIMUM value AT siteType SITE**

*Explanation:* The number of days since the last copy, as shown in the message, has exceeded the number of days specified in the MAXIMUM DAYS option.

*User response:* Use ON NOTRECOVERABLE COPY to make a copy, or use a copy utility to make a copy.

**BMC180029E**  
**TEMPLATE templateName NOT FOUND**

*Explanation:* When processing a USING option, a TEMPLATE with the name shown was not found within SYSIN.

*User response:* Check SYSIN to either add a TEMPLATE command for the name shown, or use the name of an existing template.

**BMC180030W**  
**SPACE OR PARTITION IS IN COPY PENDING**

*Explanation:* VERIFY found that the space or partition is in COPY pending and therefore is not recoverable.

*User response:* Use ON NOTRECOVERABLE COPY to make a copy, or use a copy utility to make a copy.

**BMC180031E**  
**TOKEN IS NEITHER AN OBJECT OPTION NOR SUBCOMMAND**

*Explanation:* The token was not expected at that point in the command. The parser expected either an object option or subcommand.

*User response:* Correct the syntax. Refer to Chapter 3 for assistance if needed.
BMC180032W  NO COPIES FOUND FOR *siteType* SITE - MAXIMUM *days* EXCEEDED

Explanation: No copies were located in SYSCOPY or BMCXCOPY. The maximum number of days, therefore, is exceeded automatically.

User response: Make an image copy.

BMC180033W  NO COPIES FOUND FOR *siteType* SITE - MAXIMUM *number* LOGS EXCEEDED

Explanation: No copies were located for determining the log apply point for MAXIMUM LOGS evaluation. The maximum, therefore, is exceeded automatically.

User response: Make an image copy.

BMC180034W  **number1** LOGS SINCE LAST COPY GREATER THAN MAXIMUM *number2* AT *siteType* SITE

Explanation: The number of logs created since the last copy is greater than the maximum specified. This message is issued when SYSLGRNX NO is specified.

User response: Make an image copy.

BMC180035W  DATA SET(S) MISSING FROM ICF CATALOG THAT WERE NOT DELETED

Explanation: The data set or data sets shown were not found in the ICF catalog.

User response: Determine why data sets are not in ICF catalog, correct, and resubmit job.

BMC180036W  **number1** LOGS SINCE UPDATE AFTER COPY GREATER THAN MAXIMUM *number2* AT *siteType* SITE

Explanation: The number of logs created since the start of the first log range following the last image copy is greater than the value specified for MAXIMUM LOGS. This message is issued when SYSLGRNX YES is specified.

User response: Make an image copy.

BMC180039W  IMAGE COPY REQUIRED. COPY PENDING SET FOR PART *partNum*

Explanation: Image copies were deleted from SYSCOPY, and the space or partition is now in an unrecoverable state. COPY pending status has been set.

User response: Make an image copy of the space or partition.

BMC180040I  ROW DELETED AT START_RBA 'X'heRXBA', ICTYPE *type*

Explanation: The row at START_RBA shown with the ICTYPE shown was deleted from SYSCOPY or BMCXCOPY.

User response: No action is required. This message is for information only.
BMC180041I  ROW INSERTED AT START_RBA X'hexRBA', ICTYPE type
Explanation: A row at START_RBA shown with the ICTYPE shown was inserted into SYSCOPY or BMXCOPY.
User response: No action is required. This message is for information only.

BMC180042I  COPY INSERTED AT START_RBA X'hexRBA', DSNAME dataSetName
Explanation: A copy at START_RBA shown with the DSNAME shown was inserted into SYSCOPY or BMXCOPY.
User response: No action is required. This message is for information only.

BMC180043I  ROW UPDATED AT START_RBA X'hexRBA', ICTYPE type
Explanation: The row at START_RBA shown with the ICTYPE shown was updated from SYSCOPY or BMXCOPY.
User response: No action is required. This message is for information only.

BMC180044I  COPY UPDATED AT START_RBA X'hexRBA', DSNAME dataSetName
Explanation: The copy at START_RBA shown with the ICTYPE shown was updated from SYSCOPY or BMXCOPY.
User response: No action is required. This message is for information only.

BMC180045W  COPY AT X'startRba1' INVALID DUE TO ICTYPE type AT X'startRba2'
Explanation: A row with the ICTYPE shown at the second START_RBA shown is marked for deletion, but there is a copy at the first START_RBA that is not being deleted. The row being deleted indicates an event that makes forward recovery with the copy invalid. The row cannot be deleted without also deleting the copy. This is necessary to prevent an invalid recovery.
User response: Change the selection criteria to include the copy or exclude the other row.

BMC180047I  TOTAL COPIES DELETED FOR ICBACKUP type WAS integer
Explanation: This message shows the total number of copies deleted by ICBACKUP type. MSGLEVEL must be greater than or equal to 1 to receive this message.
User response: No action is required. This message is for information only.

BMC180048I  TOTAL NUMBER OF ROWS MODIFIED WAS integer
Explanation: This message shows the total number of rows modified per MODIFY command. MSGLEVEL must be greater than or equal to 1 to receive this message.
User response: No action is required. This message is for information only.
BMC180049W  VERIFY SHOULD BE RUN BY DATA SET DUE TO COPIES BY DATA SET
Explanation: During VERIFY, image copy rows were found in SYSCOPY at the data set level. The current VERIFY is being performed at the space level, which may make the results inaccurate.
User response: Use DSNUM PART or DATASET to perform VERIFY on this space.

BMC180050E  IBM UTILITY NOT ALLOWED, DUE TO USER REQUEST
Explanation: This message indicates that an IBM utility, such as MODIFY RECOVERY, will not be used.
User response: No response is necessary. Contact BMC Customer Support if you have questions.

BMC180051I  text
Explanation: This message provides various LOB statistics after a copy of a LOB.
User response: No response is necessary. This message is for information only.

BMC180052E  objectOption CANNOT BE USED IN AN ASSIGNMENT OR CONDITIONAL EXPRESSION
Explanation: A conditional operator is being used in conjunction with DSNUM. DSNUM is an object option and cannot have a conditional operator.
User response: Specify the object option on the MODIFY command before any of the MODIFY subcommands (INSERT, UPDATE, DELETE, or VERIFY) are used.

BMC180053E  MODIFY SUBCOMMAND EXPECTED
Explanation: A MODIFY subcommand was not found in the MODIFY statement.
User response: Include a MODIFY subcommand in your MODIFY statement and resubmit the job.

BMC180054I  NO LOG RANGES FOUND FOR THE SPACE, USING NULL VALUE
Explanation: During VERIFY processing, no log ranges were found for the space, so the VERIFY was done as if a zero log range was found.
User response: Use the DB2 REPORT RECOVERY utility to verify whether there are any log ranges for the space. If there are no log ranges, no action is required. If there are log ranges, run the installation job ACPssidC so that COPY PLUS will be able to access the log range information properly.

BMC180055W  UNABLE TO ALLOCATE DATASET dataSetName
Explanation: COPY PLUS is unable to dynamically allocate the data set named.
User response: If the data set is SYSIN, check the WKUNIT option in your installation options to determine that it specifies a valid unit name for your
installation. (See Appendix A of the *COPY PLUS for DB2 Reference Manual* for more information on installation options.) If the data set is the table space, be sure you have specified the correct value for DSNUM. Check the job log for more information. If you understand the cause, correct the problem, then restart the utility (see “Restarting a Failed COPY PLUS Job” in Chapter 4 of the *COPY PLUS for DB2 Reference Manual*). Otherwise, contact BMC Customer Support.

**BMC180056W**  
**UNABLE TO OPEN DATASET DDNAME = dataSetName**  
*Explanation:* COPY PLUS is unable to open the data set named.  
*User response:* Check the job log for more information. If you understand the problem, correct it, then restart the utility (see “Restarting a Failed COPY PLUS Job” in Chapter 4 of the *COPY PLUS for DB2 Reference Manual*). Otherwise, contact BMC Customer Support.

**BMC180057W**  
**UNABLE TO CLOSE DATASET DDNAME = dataSetName**  
*Explanation:* The data set named cannot be closed.  
*User response:* Check the job log for errors. Correct the problem, then restart the utility. See "Restarting a Failed COPY PLUS Job" in Chapter 4 of the *COPY PLUS for DB2 Reference Manual*.

**BMC180058W**  
**DATA CLUSTER NOT FOUND - DSN = dataSetName**  
*Explanation:* The data set named cannot be found. The data set may have been archived.  
*User response:* Correct the problem, then restart the utility. See "Restarting a Failed COPY PLUS Job" in Chapter 4 of the *COPY PLUS for DB2 Reference Manual*.

**BMC180060E**  
**COMMANDS RESTRICTED TO OPTION, COPY AND OUTPUT WITH DSSNAP YES**  
*Explanation:* When using Online Consistent Copies, the commands you can use are restricted. You must use the OUTPUT command with DSSNAP YES specified (Instant Snapshots are required). The OPTIONS, OPTION, and COPY commands are also allowed. If you use any other commands, this message is issued. Dynamic allocation is required.  
*User response:* Specify only the commands allowed and resubmit your job.

**BMC180061E**  
**LOB PROCESSING HALTED DUE TO RC = returnCode**  
*Explanation:* This message indicates an I/O error occurred writing the output LOB file.  
*User response:* See the I/O error issued previous to this message, correct the I/O error condition, and re-run the job.
**BMC180062E**  
**DSNUTILB CANNOT BE USED FOR THIS SPACE**  
*Explanation:* If an output is targeted to be registered in BMCXCOPY, but the type of space is not supported by RECOVER PLUS, you will get this error.  
*User response:* EXCLUDE or eliminate the offending object and rerun the job, or note that you cannot use RECOVER PLUS to recover with the output.

**BMC180063E**  
**CLONE DOES NOT EXIST FOR tableSpaceName**  
*Explanation:* The CLONE keyword was used for the command, but the indicated space does not have a clone.  
*User response:* Remove the CLONE keyword or correct the space name.

**BMC180064E**  
**OUTPUT FOR THIS SPACE CANNOT BE REGISTERED IN BMCXCOPY**  
*Explanation:* Any space that RECOVER PLUS cannot recover cannot have an output type that is registered in BMCXCOPY.  
*User response:* Change the output to standard disk or tape. You can also use the ON ERROR NOTSUPPORTED option to bypass the copy.

**BMC180065E**  
**'CLONE' INVALID FOR DSN1COPY; USE INSTANCE KEYWORD**  
*Explanation:* The CLONE syntax is not valid with the DSN1COPY option on the COPY command.  
*User response:* Change the syntax to use the INSTANCE integer option with the DSN1COPY option.

**BMC180066W**  
**NO SPACES QUALIFIED FOR PROCESSING**  
*Explanation:* During the table or index space selection process, the utility selected no spaces for processing. This situation might result when  
- wildcarding produces no objects matching the pattern or  
- CLONE is expressed for index spaces and none of the index spaces were clones  
*User response:* Determine why no spaces were processed.

**BMC180067E**  
**CLONE STATUS HAS CHANGED PRIOR TO RESTART - tableSpaceName**  
*Explanation:* COPY PLUS detected that an EXCHANGE was done between the failure and the restart.  
*User response:* Rerun the job with NEW, rather than NEW/RESTART.

**BMC180068W**  
**CONTINUING DUE TO OBJECTSET/WILDCARD/APPL SELECTION**  
*Explanation:* If COPY PLUS selected the space via the APPLICATION, RMGROUP, or OBJECTSET keywords or via wildcards, and the space is not in the catalog, COPY PLUS produces this message and the job continues with the next space.  
*User response:* No response is required.
**BMC180069I**  
*databaseName.tableSpaceName* WILL NOT BE REGISTERED WITH THE GROUP  

*Explanation:* The table space indicated is not registered with the group. You indicated or implied GROUP YES. But certain DB2CATALOG spaces, like DSNDB01.SYSUTILX, must be isolated from the other spaces and is registered at a separate RBA/LRSN from the primary group. SYSUTILX is always isolated, but other spaces may be also, depending on the SHRLEVEL and RESETMOD specifications.  

*User response:* No response is required.

**BMC180070I**  
STARTING PACKAGE CHECKING AND BINDING  

*Explanation:* The utility has detected that a DB2 Bind is required to continue processing.  

*User response:* No response is required.

**BMC180071I**  
DYNAMIC BIND FAILED; VERSION *versionNumber* OF THE API IS INCOMPATIBLE WITH CALLER VERSION *versionNumber*  

*Explanation:* This message indicates that the dynamic Bind API is at a different level than that of the utility (the version numbers reported in this message are relative), and that the two are incompatible. In most cases, this situation occurs because the installation of the utility did not complete successfully.  

*User response:* Contact BMC Customer Support and have the outputs from your jobs available.

**BMC180072E**  
DYNAMIC BIND FAILED BECAUSE AN UNKNOWN VERSION OF THE API IS INCOMPATIBLE WITH VERSION *versionNumber* OF THE CALLING CODE  

*Explanation:* This message indicates that the dynamic Bind API is at a different level than that of the utility (the version number reported in this message is relative), and that the API is at a lower version. In most cases, this situation occurs because the installation of the utility did not complete successfully.  

*User response:* Contact BMC Customer Support and have the outputs from your jobs available.

**BMC180073E**  
DYNAMIC BIND FAILED BECAUSE THE API COULD NOT BE LOADED  

*Explanation:* This message means that the dynamic bind API was not loaded. The API consists of two load modules, SCCBLDR and SCCBPKG.  

*User response:* Verify that the two load modules are in one of the libraries in your STEPLIB or JOBLIB DD. If they are not, check your install output. They should have been unloaded as part of the utility installation. If the modules appear to be there, contact BMC Customer Support.

**BMC180074I**  
COMPLETED PACKAGE CHECKING AND BINDING  

*Explanation:* This message indicates that the utility has completed required DB2 Package checking and Binding  

*User response:* No response is required.
**BMC180075E**  
AN INTERNAL OR ENVIRONMENTAL ERROR HAS OCCURRED IN THE DYNAMIC BIND API (REASON CODE IS `reasonCode`). CONTROL BLOCK DUMPS FOLLOW

*Explanation:* An unexpected condition has been detected during the dynamic bind process. This message is intended to provide information to BMC Customer Support personnel to help them resolve the problem as quickly as possible. Several messages follow to dump the specific control blocks involved in the API call.

*User response:* Collect all of the output from the failing run. Contact BMC Customer Support.

**BMC180076E**  
AN SQL ERROR HAS OCCURRED IN THE DYNAMIC BIND

*Explanation:* This message indicates that SQL to extract environmental information in the dynamic bind API has failed. Several messages follow containing DSNTIAR output to explain the SQL error. The utility fails with return code 8. The most likely reason for this error is a problem in the installation and configuration of the utility. The SQLCODE -805 or -818 in the following messages probably indicates that the plan for the utility was not bound correctly. The plan must refer only to PKLIST and not to any MEMBER specifications.

*User response:* If the SQLCODE is one of those referred to above, check your install output and make sure the plan was bound correctly, and that it is the plan displayed in the BMC40924I message at the beginning of utility execution. In this case, make any necessary corrections, BIND the plan, and retry utility execution.

If the SQLCODE is not one of those referred to above, or if the above procedure does not correct the problem, contact BMC Customer Support. Please have the output from the utility and your install output available.

**BMC180077E**  
A DB2 ATTACHMENT ERROR HAS OCCURRED IN THE DYNAMIC BIND API. DETAILS FOLLOW

*Explanation:* An unexpected condition was detected during the dynamic bind process. This message is intended to provide information to BMC Customer Support to help them resolve the problem as quickly as possible.

Several messages will follow to dump more specific error messages.

*User response:* Collect all of the output from the failing run. Contact BMC Customer Support.

**BMC180078E**  
AN ERROR IN FILE PROCESSING HAS OCCURRED IN THE DYNAMIC BIND API. DETAILS FOLLOW

*Explanation:* An unexpected condition was detected during the dynamic bind process. This message is intended to provide information to BMC Customer Support to help them resolve the problem as quickly as possible.
Several messages will follow to dump more specific error messages.

*User response:* Collect all of the output from the failing run. Contact BMC Customer Support.

**BMC180079E**  
**A SERIOUS ERROR HAS OCCURRED IN THE DYNAMIC BIND API, LEAVING A SYSTABLES ROW WITH INVALID IDS**

*Explanation:* This message indicates a failure in the dynamic bind process. A row in SYSIBM.SYSTABLES was left with invalid values for DBID and OBID. This may cause failures in the install of other BMC products that share the table. Several explanatory messages follow.

*User response:* Contact BMC Customer Support immediately. Please have all of the output from the failing utility available.

**BMC180080E**  
**CATASTROPHIC ERROR IN THE DYNAMIC BIND API, LEAVING CATALOG UPDATE ENABLED (SPRMCTU BIT)**

*Explanation:* An abend or other unexpected condition occurred during the dynamic bind process. This message is a warning that the SPRMCTU bit in DSNZPARM is on which allows users with the correct DB2 authorization to update any catalog tables and columns. The utility ends with return code 12.

*User response:* Collect all of the output from the failing run. Contact BMC Customer Support. Your options are to bring DB2 down and back up, clearing the condition, to tolerate the risk of unwanted catalog updates until DB2 is next planned to be brought down, or to attempt other recovery actions suggested by BMC Customer Support.

**BMC180081E**  
**UNEXPECTED REASON CODE reasonCode RETURNED FROM DYNAMIC BIND PROGRAM. RETURN CODE IS returnCode**

*Explanation:* This message indicates an internal error in the product. Additional diagnostics are presented in subsequent messages.

*User response:* Contact BMC Customer Support. Have the output of the failing run available.

**BMC180081I**  
**UNEXPECTED REASON CODE reasonCode RETURNED FROM DYNAMIC BIND PROGRAM. RETURN CODE IS returnCode**

*Explanation:* This message indicates an internal error in the product. Additional diagnostics are presented in subsequent messages.

*User response:* Contact BMC Customer Support. Have the output of the failing run available.
BMC180081W  UNEXPECTED REASON CODE reasonCode RETURNED FROM DYNAMIC BIND PROGRAM. RETURN CODE IS returnCode
Explanation: This message indicates an internal error in the product. Additional diagnostics are presented in subsequent messages.
User response: Contact BMC Customer Support. Have the output of the failing run available.

BMC180082E  THE PACKAGE’S COLLECTION ID, collidName, IS NOT CONTAINED IN YOUR PLAN’S PKLIST
Explanation: This message is issued when a -805 SQLCODE is returned after a BIND PACKAGE was attempted during dynamic bind processing. The most common reason for this is that the BIND PLAN command issued during the first execution of the utility does not match the first collection ID named in the PKLIST parameter.
User response: Either change the collection ID in the installations options to match the collection ID in the message (and reassemble the module) or free the plan. Rerun the utility specifying MSGLEVEL(2). If this does not correct the problem, contact BMC Customer Support. Please have the output from your install and the second run available.

BMC180086I  SPACE PARM NOT PROVIDED ... USING SPACE (integer, integer) CYL
Explanation: A SPACE parameter is not present in the SYSIN. The output allocation for the cabinet copy will be the lesser of 100 cylinders or the value in MAXPRIM.
User response: No response is necessary. This message is for information only.

BMC180087I  DATASET LIST TRUNCATED, NO MORE SPACE MAPS
Explanation: This message indicates that COPY PLUS ran out of space maps before it ran out of data sets for a multi-data-set, nonpartitioned space.
User response: No action is required. This message is informational only.

BMC180088I  spaceDescription SPACES ARE RESTRICTED TO DSNUTILB PROCESSING
Explanation: The spaces described by spaceDescription, such as compressed index, are not supported by RECOVER PLUS and must be registered in SYSCOPY.
User response: Take an appropriate action as indicated in message BMC180064.

BMC180089I  CABINET COPY NOT SUPPORTED FOR CATALOG AND DIRECTORY SPACES
Explanation: This message indicates that you cannot make cabinet copies of DB2 catalog and directory spaces because this is not supported.
User response: No action is required. This message is informational only.
BMC180090I  STARTING BIND OF PLAN planName
Explanation:  COPY PLUS is beginning the bind process for the plan name.
User response:  No action is required. This message is informational only.

BMC180091I  COMPLETED BIND OF PLAN planName
Explanation:  COPY PLUS has successfully bound the plan.
User response:  No action is required. This message is informational only.

BMC180092E  BIND OF PLAN planName FAILED RC = returnCode
Explanation:  COPY PLUS was unable to bind the plan.
User response:  Check the messages immediately preceding this message to obtain details about the failure. Determine the cause of the problem and correct it. Resubmit the utility job.

BMC180093W  UNABLE TO GRANT EXECUTION AUTHORITY FOR PLAN planName TO PUBLIC
Explanation:  The plan has been bound, but execution authority for the plan could not be granted.
User response:  You will have to provide authorization to run COPY PLUS.

BMC180094E  { ENCIPHER | STACK CABINET | CABINET COPY | ONLINE CONSISTENT COPY } REQUIRES { THE RECOVERY MANAGEMENT FOR DB2 SOLUTION | z/OS 1.7 OR HIGHER }
Explanation:  The option specified requires a Recovery Management for DB2 solution password, or z/OS 1.7 or higher.
User response:  If the message specifies that Recovery Management is required, acquire and activate a Recovery Management solution license. Please contact BMC Customer Support if you need assistance.

If the message indicates that z/OS 1.7 or higher is required, you must move to the required operating system version or remove the specified option from your job.

BMC180095E  CANNOT RESTART - CABINET COPY NOT IN MVS CATALOG - dataSetName
Explanation:  COPY PLUS issues this message when it cannot restart because the specified cabinet copy (dataSetName) is not cataloged.
User response:  You must resubmit the job using the NEW/RESET restart parameter on the COPY PLUS EXEC statement to ensure that you have valid copies for recovery.

BMC180096I  CABINET COPY CONTAINS numberOfObjectsInCabinetCopy OBJECTS - dataSetNameOfCabinetCopy
Explanation:  This message displays the number of objects in the given cabinet copy. The number of objects in the cabinet copy is useful to know because
COPY PLUS does not honor the ICFDELETE part of a DELETE request until there are no objects left in the cabinet file (that is, until there are no rows left in BMCXCOPY that refer to the given data set name).

*User response:* No action is required. This message is informational only.

**BMC180097E**

&TASK OR &SEQ REQUIRED FOR CABINET DATASET NAME WHEN MULTI-TASKING

*Explanation:* Cabinet copies made with multitasking require &TASK or &SEQ in the output data set name to create unique data set names. (BMC160690 always accompanies BMC180097.)

*User response:* Add the &TASK or &SEQ symbolic variable to the data set name and rerun the job.

**BMC180098I**

POINT TO FRAME (integer) VOLSEQ (integer)

*Explanation:* This message shows the frame and volume that COPY IMAGECOPY is using. A frame is 4096 bytes. COPY PLUS uses a frame to point into a disk cabinet file, when it is used as input by COPY IMAGECOPY or another BMC utility program. The frame number where the output copy begins in the cabinet file is stored in the NOTE_VALUE column of the BMCXCOPY row for the space.

*User response:* No action is required. This message is informational only.

**BMC180099E**

DISK CABINET VOLUME ACCESS ERROR - errorCode

*Explanation:* COPY PLUS encountered an access error when trying to access a disk cabinet copy.

*User response:* Collect all of the output from the failing run. Contact BMC Customer Support.

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**120Messages BMC180100 through BMC180199**

For the COPY PLUS for DB2 product, this topic explains each message in the designated range.

**BMC180100E**

EXPECTING HEADER PAGE, FOUND PG = X'hexPageNumber'

*Explanation:* The sanity check that verifies that the first page of a FULL YES cabinet copy is a header page failed. COPY PLUS cannot retrieve the cabinet data correctly.

*User response:* Collect all of the output from the failing run. Contact BMC Customer Support.
BMC180101E  EXPECTING *(numberOfPages)* PAGES, BUT PROCESSED *(numberOfPages)* PAGES

*Explanation:* The pages copied from a cabinet copy did not match the value of the COPYPAGESF column in the BMCXCOPY row.

*User response:* Collect all of the output from the failing run. Contact BMC Customer Support.

BMC180102E  INPUT CABINET IS NOT ON ORIGINAL DEVICE TYPE

*Explanation:* COPY PLUS cannot copy a tape cabinet copy to disk or a disk cabinet copy to tape. The geometry of a disk cabinet file may be changed, but it must remain a disk file.

*User response:* Make changes to your job to ensure that you are not trying to copy a tape cabinet copy to disk or a disk cabinet copy to tape.

BMC180103I  IXEXPAND OPTION SET TO valueOfIXEXPAND

*Explanation:* If OPTION IXEXPAND YES or NO appears in SYSIN and IXEXPAND=AUTO is in the installation options module, this message displays to show the the value to which IXEXPAND is set. When IXEXPAND=AUTO, then NO is selected when running as with a Recovery Management solution password. If you are not running with a solution password, YES is chosen. Note that this selection may cause a problem, when the SYSIN contains syntax to copy DB2 catalog spaces. You should set IXEXPAND=YES for steps that copy DB2 catalog spaces.

*User response:* No action is required. This message is informational only.

BMC180104E  *(DE)COMPRESS RETURNED ERROR *(errorCode)*

*Explanation:* An internal error occurred while expanding or unexpanding a compressed index space.

*User response:* Collect all of the output from the failing run. Contact BMC Customer Support.

BMC180105E  BLOCKSIZE integerK EXCEEDS LIMIT integerK

*Explanation:* A user exit occurred during OPEN processing and changed the block size to a value that is greater than COPY PLUS allows for the particular type of output.

*User response:* Do not change block size established by COPY PLUS.

BMC180106E  DYNAMIC GROUP API ERROR *(code,reason)* -text

*Explanation:* This message provides a reason code and text for all dynamic group errors. COPY PLUS often issues this message due to a problem with the synonyms for the dynamic group spaces. (See the process for defining the synonyms.)

*User response:* If the problem persists, reproduce the error by using PARM="@5,...' with the EXEC statement and contact BMC Customer Support.
BMC180107I  COPY PLUS STEP *stepName*

*Explanation:* This message displays the step that created the subtask in the subtask output file.

*User response:* No action is required. This message is informational only.

BMC180108E  PAGE IS BROKEN - CANNOT CONTINUE

*Explanation:* COPY PLUS issues this message along with BMC30560 if a compressed index page is broken.

*User response:* Collect all of the output from the failing run. Contact BMC Customer Support.

BMC180109E  COPYPAGESF ON BMCXCOPY INCORRECTLY DEFINED - CALL BMC SUPPORT

*Explanation:* An output copy contains more than 16,777,215 pages and COPY PLUS cannot register the copy correctly in BMCXCOPY because the COPYPAGESF column is not large enough.

*User response:* Contact BMC Customer Support for the correction procedure.

BMC180110E  DUPLICATE DSNAME USED FOR CATALOGED OUTPUT FILE - *outputFileName*

*Explanation:* You must use unique names for the data set names associated with OUTPUT descriptors.

*User response:* Make sure that the data set names associated with the OUTPUT descriptors for a command are unique.

BMC180111E  DISK GDG BASE NAME CANNOT BE REUSED IN SAME TASK AREA. USE &TYPE TO MAKE UNIQUE GDG BASE.

*Explanation:* A non-unique GDG is being used for a COPY command for a disk output that as more than one output type.

*User response:* Use the &TYPE symbolic variable in the GDG name.

BMC180112I  TAPE GDG MAY RESULT IN DUPLICATE DS NAME

*Explanation:* This message indicates that a catalog error may occur due to the non-unique format of the GDG being used for tape output.

*User response:* No action is required. This message is informational only.

BMC180113I  RC = *returnCode*, CANNOT RELEASE UNUSED SPACE FOR (spaceName)

*Explanation:* As a disk output file is closed, COPY PLUS issues a command to release the unused space. If an error occurs, COPY PLUS issued this message. The copy is still good, but may be larger than expected.

*User response:* No action is required. This message is informational only.
BMC180114E  CHECK THE DESCRIPTOR NAME ON THE COPYDDN AND RECOVERYDDN STATEMENT

Explanation:  COPYDDN, RECOVERYDDN, FULLDDN, or BIGDDN refers to either an OUTPUT descriptor name or a DD statement name. If the name is not an OUTPUT descriptor name, COPY PLUS assumes that it is a DD name in your JCL. If COPY PLUS cannot locate the DD name, COPY PLUS issues this error. If the name is SYSCOPY, it is usually caused by an incorrectly coded COPYDDN statement.

User response:  Check your JCL and verify that you coded a DD statement for the ddname given in the message. Check your COPYDDN or RECOVERYDDN option for the correct ddname. Also, verify that FREE=CLOSE is not specified on the DD statement referred to in the error message.

BMC180115E  ERROR EXPANDING AUX value SPACES FOR spaceName

Explanation:  The DB2 catalog or information in the DBD implied that the primary space being copied contains auxiliary table (XML or LOB) objects. But an error occurred while trying to retrieve the necessary information about the auxiliary spaces. COPY PLUS will proceed as if there are none.

User response:  Contact BMC Customer Support or resubmit the job.

BMC180116I  CABINET - NOTE_VALUE value

Explanation:  As COPY PLUS creates a CABINET output, COPY PLUS displays the NOTE_VALUE column from the BMCXCOPY row. This value is the 4 KB frame displacement where the member is located in the CABINET. You can BROWSE to the corresponding line number to display the data pages for the member.

User response:  No action is required. This message is informational only.

BMC180117W  CANNOT INITIALIZE SPACE - spaceName(part)

Explanation:  This message accompanies another message and indicates that COPY PLUS could not initialize the space for processing.

User response:  Contact BMC Customer Support or resubmit the job.

BMC180118E  ONLY DSNUM value ALLOWED FOR DB2CATALOG spaceType

Explanation:  Only DSNUM ALL or DSNUM PART are allowed for catalog and directory objects.

User response:  Change job to use only DSNUM ALL or DSNUM PART for catalog and directory objects, and resubmit the job.

BMC180119I  INDEX IS IN BAD STATUS (CI SIZE)

Explanation:  When an index is altered to be compressed, DB2 places the index in RBDP status and the CI size is still the original CI size (for example, 8 KB). When COPY PLUS detects that an index is compressed and it has a CI size greater than 4 KB, COPY PLUS knows that the index is in RBDP status and cannot be copied, so COPY PLUS issues this message. When an index is in
RBDP status, you can still make a SHRLEVEL CHANGE copy of the related table space, but copying the index is skipped. A SHRLEVEL REFERENCE copy of the related table space or the index fails because a QUIESCE is attempted and the QUIESCE fails because the index is in RBDP status.

User response: No response required. This message is for information only.

**BMC180120W**

**CATALOG/DIRECTORY INDEXES MUST USE 'INDEX YES' WITH COPY TABLESPACE**

*Explanation:* COPY PLUS copies only those indexes indicated with INDEXES YES. COPY PLUS skips those made with COPY INDEX and COPY INDEXSPACE and issues this warning message.

*User response:* Make sure your copy strategy includes index copies appropriately.

**BMC180121E**

**IMAGE COPY FOR spaceName AT RBA/LRSN rba/lrsn IS INVALID attributeName ATTRIBUTE CHANGED AT RBA/LRSN rba/lrsn**

*Explanation:* The image copy of the space registered at the RBA/LRSN specified in the message is no longer valid due to the attribute change caused by a later REORG of the space.

*User response:* Select an image copy registered after the REORG.

**BMC180196I**

**RESUMING spaceName DSNUM 0 COPY ON A TAPE ENABLED SUBTASK**

*Explanation:* The copy requires tape output and COPY PLUS is rescheduling the copy to run in a tape-enabled task.

*User response:* No action is required. This message is informational only.

**BMC180198I**

**agentName BYPASSED SINCE COPY PLUS AGENT VERSION version IS REQUIRED FOR THIS VERSION OF DB2**

*Explanation:* A newer version of the COPY PLUS agent is required for this version of DB2.

*User response:* Start a new agent if a suitable version of the agent is not already running.

**BMC180199I**

**ROW AT X'startRba' icType icBackup ACTION (actionName) fileSequencesNumber dataSetName**

*Explanation:* This message is produced when ANAYLYZE YES is used. It indicates what action, if any, MODIFY will take on each row of SYSCOPY or BMCXCOPY for the space.

*User response:* No action is required. This message is for information only.
Messages BMC310000 through BMC310499

This chapter includes messages for the Recovery Management for DB2 product, in particular the online consistent copy technology that is part of Recovery Management.

Messages BMC310000 through BMC310099

For the Online Consistent Copy technology, this topic explains each message in the designated range.

**BMC310000I**  
ONLINE CONSISTENT COPY FOR DB2 versionNumber  
*Explanation:* This informational message indicates the version of Online Consistent Copy that you are using.  
*User response:* No action is required.

**BMC310001I**  
COPYRIGHT BMC SOFTWARE INC. copyrightYear  
*Explanation:* This informational message shows the copyright information for Online Consistent Copy.  
*User response:* No action is required.

**BMC310002I**  
DB2 SUBSYSTEM ID = ssid.  
*Explanation:* This message confirms the DB2 subsystem ID that you have specified.  
*User response:* No action is required.

**BMC310004I**  
UTILITY ID = utilityID  
*Explanation:* This message confirms the utility ID that you have specified.  
*User response:* No action is required.
EXECUTION COMPLETE, RETURN CODE = returnCode

Explanation: This message indicates that Online Consistent Copy has finished executing.

User response: If the return code is not zero, check earlier messages to determine the problem. If the return code is zero, no action is required.

EXECUTION TERMINATING, RETURN CODE = returnCode

Explanation: Online Consistent Copy terminated with an error.

User response: Check earlier messages to determine the problem. Correct the problem, and resubmit the job.

SPACE NAME = databaseName.tableSpaceName

Explanation: This message identifies a table space or index space to be copied by Online Consistent Copy. This message displays only to aid in problem solving after an error has occurred.

User response: Check earlier messages to determine the problem. Correct the problem, and resubmit the job.

COPIES REGISTERED AS ROW-LEVEL LOCKING

Explanation: This message is displayed if the LOCKSIZE of a table space being copied has been altered from row-level locking to page-level locking but the change has not taken affect yet. Online Consistent Copy detects that the change has not taken affect because it encountered log records that indicate row-level locking while backing out inflight transactions. Because row-level locking is still being used, Online Consistent Copy registers all of the copies made in this step as row-level locking copies, and if the copy is registered in SYSCOPY, it can only be used for RECOVER TOCOPY.

User response: Make sure that all ALTERs have taken affect by flushing the SQL dynamic statement cache for the space that has been altered or by rebinding the plans that use the space. See the DB2 Universal Database for z/OS SQL Reference.

Messages BMC310200 through BMC310299

For the Online Consistent Copy technology, this topic explains each message in the designated range.

CANNOT CONNECT TO DB2

Explanation: Online Consistent Copy cannot connect to the specified DB2 subsystem. See message BMC310203 for more details.

User response: Correct the problem, and resubmit the job.
**BMC310201E**  
**CANNOT OPEN PLAN** *planName*  
*Explanation:* Online Consistent Copy cannot open the execution plan named *planName*.  
*User response:* Review the accompanying DB2 Call Attachment Facility (CAF) messages. The plan may not be bound on the specified subsystem or you may not be authorized to execute the plan. If the plan name appears incorrect, check the options module assembled for Online Consistent Copy to determine the plan name. Correct the problem, and then resubmit the job.

**BMC310203E**  
**CAF ERROR, RC = returnCode, REASON = reasonCode**  
*Explanation:* This message accompanies message BMC310200 to provide more specific information about a DB2 CAF error. Other messages may follow. If the message indicates a CAF code of F30021, you may have a mismatch between the DB2 release level of the subsystem and the DB2 library in your STEPLIB.  
*User response:* Determine the cause of the problem, correct it, and resubmit the Online Consistent Copy job. If necessary, refer to the *IBM DB2 for z/OS and OS/390 Messages and Codes* manual for further explanation of the codes.

**BMC310204E**  
**SQL ERROR. SQLCODE = sqlCode, RC = returnCode**  
*Explanation:* Online Consistent Copy encountered an unexpected SQL error. This message is followed by additional DB2 messages. *sqlCode* represents the SQLCODE returned by DB2. *returnCode* represents the return code returned by the BMC SQL error handler.  
*User response:* Review the subsequent DB2 messages to determine the cause the SQL error. If you understand the problem, such as a SQL time-out error, correct the problem, and resubmit the job.

**BMC310205E**  
**text**  
*Explanation:* The text shown is output from DSNTIAR to explain an SQL error that occurred.  
*User response:* Review the messages and any previous messages to determine an appropriate response.

**BMC310206E**  
**ERROR READING DIRECTORY PAGE, DDNAME = ddname**  
*Explanation:* Online Consistent Copy received a nonzero return code from a request to read the directory page of the specified index data set.  
*User response:* Contact BMC Customer Support.

**BMC310207E**  
**INDEX HAS BEEN ALTERED, DDNAME = ddname**  
*Explanation:* An internal error occurred while Online Consistent Copy was attempting to apply an UNDO log record to the specified index data set.  
*User response:* Contact BMC Customer Support.
BMC310208E  INDEX ENTRY NOT FOUND, DDNAME = ddname
Explanation: Online Consistent Copy was attempting to apply an UNDO log record to the specified index data set and it was unable to find the index entry referenced in the log record.
User response: Contact BMC Customer Support.

BMC310250E  UNABLE TO OPEN DATA SET DDNAME = ddname, RC = returnCode
Explanation: Online Consistent Copy is unable to open the named data set.
User response: Check the job log for more information. If you understand the problem, correct it, and resubmit the job. Otherwise, contact BMC Customer Support.

BMC310251E  UNABLE TO CLOSE DATA SET DDNAME = ddname, RC = returnCode
Explanation: The named data set cannot be closed.
User response: Check the job log for errors. Correct the problem, and resubmit the job.

BMC310252E  ERROR WRITING DATA SET DDNAME = ddname, RC = returnCode
Explanation: Online Consistent Copy received a nonzero return code from a request to write the specified data set.
User response: Contact BMC Customer Support.

BMC310253E  ERROR READING DATA SET DDNAME = ddname, RC = returnCode
Explanation: Online Consistent Copy received a nonzero return code from a request to read the specified data set.
User response: Contact BMC Customer Support.

BMC310254E  SVC 99 ERROR, RC = returnCode, RB ERROR = s99 error
Explanation: SVC 99 returned an error. Online Consistent Copy uses SVC 99 to dynamically allocate data sets, retrieve data set names, and retrieve data set characteristics. returnCode is the value returned in register 15 by SVC 99. s99error is the value in the SVC 99 request block S99ERROR field. If the SVC 99 error occurred during dynamic data set allocation, the name of the data set is in a message BMC310256.
User response: Look for message BMC310256 to determine the name of the data set if this is a dynamic allocation error. You can look up the SVC 99 return code and request block error codes in the MISCINFO section of MVS QuickRef or in the IBM z/OS or OS/390 MVS Authorized Assembler Services Guide. If you understand the problem, correct the problem, and resubmit the job.
**BMC310255E**  ATTACH OF MODULE `moduleName` FAILED, RC = `returnCode`

*Explanation:* The ATTACH of the module named `moduleName` failed with a return code value of `returnCode`.

*User response:* Make sure that the specified module is in the libraries specified in your STEPLIB, and resubmit the job.

**BMC310256E**  UNABLE TO ALLOCATE DATA SET DSNAME = `dataSetName`, RC = `returnCode`

*Explanation:* Online Consistent Copy is unable to dynamically allocate the indicated data set.

*User response:* Check the job log for more information. Also, review message BMC310254 to find the SVC 99 request block error field. If you understand the cause, correct the problem and resubmit the job. Contact BMC Customer Support if you need assistance.

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**Messages BMC310300 through BMC310399**

For the Online Consistent Copy technology, this topic explains each message in the designated range.

**BMC310301I**  `text`

*Explanation:* This message is used only for debugging purposes. It is displayed only when MSGLEVEL is greater than zero.

*User response:* No action is required. This message is for information only.

**BMC310302E**  `messageNumber` IS AN INVALID MESSAGE NUMBER

*Explanation:* Online Consistent Copy could not find any message text for the message number shown.

*User response:* This message indicates an internal error. If you receive this message, contact BMC Customer Support.

**BMC310303I**  `text`

*Explanation:* This informational message displays the progress of Online Consistent Copy by noting certain milestones as they are reached.

*User response:* No action is required.

**BMC310304I**  EXECUTION STARTING `date time` ...

*Explanation:* This informational message indicates the start time and date for Online Consistent Copy.

*User response:* No action is required.
<table>
<thead>
<tr>
<th>Code</th>
<th>Message</th>
<th>Explanation</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC310305E</td>
<td><strong>INTERNAL ERROR DETECTED IN FUNCTION moduleName</strong></td>
<td>An internal error was detected in the specified module.</td>
<td>Note the message number and module name and contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC310306I</td>
<td><strong>commandLine</strong></td>
<td>This informational message is used only for debugging purposes. It displays commands that Online Consistent Copy issues to other programs.</td>
<td>No action is required.</td>
</tr>
</tbody>
</table>

**Messages BMC310400 through BMC310499**

For the Online Consistent Copy technology, this topic explains each message in the designated range.

<table>
<thead>
<tr>
<th>Code</th>
<th>Message</th>
<th>Explanation</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC310401E</td>
<td><strong>INVALID PARM parameter</strong></td>
<td>The EXEC parameter named is incorrectly specified.</td>
<td>Correct the parameter, and resubmit the job.</td>
</tr>
<tr>
<td>BMC310402E</td>
<td><strong>COPY dataSetName IS NOT AN INSTANT SNAPSHOT</strong></td>
<td>The copy data set dataSetName is not an Instant Snapshot copy. Online Consistent Copy requires Instant Snapshot copies.</td>
<td>Change the Online Consistent Copy command to produce an Instant Snapshot copy, and resubmit the job.</td>
</tr>
<tr>
<td>BMC310403E</td>
<td><strong>MULTI-DATA SET NON-PARTITIONED SPACES ARE NOT SUPPORTED</strong></td>
<td>Online Consistent Copy does not support copying multi-data-set spaces that are not partitioned.</td>
<td>Remove these data set spaces from your COPY commands, and resubmit the job.</td>
</tr>
<tr>
<td>BMC310404E</td>
<td><strong>MULTI-DATA SET SPACE COPY NAME copyDataSetName MUST CONTAIN A nnn</strong></td>
<td>To copy multi-data-set, nonpartitioned table spaces or index spaces, you must follow certain naming conventions. The copy (output) data set names must contain the data set number in the form Annn. Online Consistent Copy did not find the data set number in the specified copyDataSetName.</td>
<td>Check the OUTPUT DSNAME for the COPY command. Make sure that it contains the data set number in the form Annn. See the section “Copying Multi-data-set nonpartitioned spaces” in the <em>Recovery Management for DB2 User Guide</em>. Correct the problem, and resubmit the job.</td>
</tr>
</tbody>
</table>
**BMC310405E**  **MIXTURE OF BASE AND CLONE SPACES IS NOT ALLOWED**

*Explanation:* The job contains both regular spaces and clone spaces.

*User response:* COPY PLUS cannot process a base and clone on the same COPY command. Change your job to process the base and clone in separate commands. If only clone spaces are in the job, make sure that you have used the CLONE syntax for each space.
Messages BMC397000 through BMC397099

This chapter includes messages for the Log Master for DB2 product, and because Log Master is a component of the Recovery Management for DB2 product, for Recovery Management as well.

Messages BMC397000 through BMC397099

This group includes messages for the Log Master for DB2 product.

BMC397000  REPORT TEMPLATE xmlParser PARSE ERROR - parserErrorText
Explanation: The product displays this message as it processes a report template. The template contains invalid XML syntax. The message displays the error text that is returned by the product's internal XML parser. This condition should not occur when a template is created by using the product's online interface. Processing terminates.
User response: If you created the report template by using the product's online interface and the template has not been edited, contact BMC Customer Support.

BMC397001  REPORT BREAK POSITIONING ERROR - ELEMENT elementName RESTRICTED TO USAGE context
Explanation: The product displays this message as it processes a report template. The template currently defines at least one order by field (report break) in a context that is not supported by the product. For example, some types of reports require that a given order by field must be either the first, last, or only defined field. This condition should not occur when a template is created by using the product's online interface. Processing terminates.
User response: If you created the report template by using the product's online interface and the template has not been edited, contact BMC Customer Support.
BMC397002 REPORT TEMPLATE QUERY FAILED - MODULE moduleName

Explanation: The product displays this message as it processes a report template. The product has encountered an error as it attempts to load internal software that processes XML documents.

User response: Submit the job again to determine if the error condition is transitory. If the problem occurs again, contact BMC Customer Support.

BMC397003 REPORT TEMPLATE ERROR - INVALID CHILD ELEMENT elementName01, PARENT ELEMENT elementName02

Explanation: The product displays this message as it processes a report template. The template currently defines at least one element that does not have the required logical relationship to other elements within the template. The message displays the incorrectly-positioned element as elementName01. This condition should not occur when a template is created by using the product's online interface. Processing terminates.

User response: If you created the report template by using the product's online interface and the template has not been edited, contact BMC Customer Support.

BMC397004 REPORT TEMPLATE ERROR - INVALID ReportData DATA DICTIONARY VALUE elementValue, ATTRIBUTE TYPE=" attribValue"

Explanation: The product displays this message as it processes a report template. For at least one ReportData element in the template, the value of the element conflicts with the value of the Type attribute of the element. For example, if the value of the ReportData element is URID, the value of the Type attribute cannot be Counters because that combination is not defined as valid in the product's report data dictionary. The message displays the invalid ReportData value and the value of that element's Type attribute. This condition should not occur when a template is created by using the product's online interface. Processing terminates.

User response: If you created the report template by using the product's online interface and the template has not been edited, contact BMC Customer Support.

BMC397005 REPORT TEMPLATE ERROR - CANNOT FIND REPORT TEMPLATE templateID IN THE REPOSITORY

Explanation: The product displays this message as it attempts to generate a report by using a report template. The SYSIN syntax for your job or job step defines a template ID that does not exist in the product's Repository on the current DB2 subsystem. Processing terminates.

User response: Use the product's online interface to verify the valid template IDs for the current subsystem. Edit the SYSIN syntax of your job or job step to specify the correct template ID. If the template exists on a different subsystem, consider exporting the template to a data set and specifying that data set name in your SYSIN syntax. If you have verified that the specified template ID exists in the Repository for the current subsystem, contact BMC Customer Support.
BMC397006  REPORT TEMPLATE ERROR - UNKNOWN ELEMENT elementName

*Explanation:* The product displays this message as it processes a report template. At least one element in the template does not exist in the product's report data dictionary (which defines all valid elements, attributes, and values for a report template). The message displays the invalid element name. This condition should not occur when a template is created by using the product's online interface. All element and attribute values in a report template are case-sensitive. Processing terminates.

*User response:* If you created the report template by using the product's online interface and the template has not been edited, contact BMC Customer Support.

BMC397007  REPORT TEMPLATE ERROR - INVALID ELEMENT VALUE elementValue, ELEMENT elementName

*Explanation:* The product displays this message as it processes a report template. The value of at least one element in the template does not exist in the product's data dictionary (which defines all valid elements, attributes, and values for a report template). The message displays the invalid element value and the valid element name. This condition should not occur when a template is created by using the product's online interface. Processing terminates.

*User response:* If you created the report template by using the product's online interface and the template has not been edited, contact BMC Customer Support.

BMC397008  REPORT BREAK ELEMENT elementName01 SPECIFIED BUT PREVIOUS ELEMENT elementName02 MUST BE LAST OR ONLY BREAK

*Explanation:* The product displays this message as it processes a report template. The template currently defines more than one order by field (report break), but the report type requires that one of the preceding order by fields must be the last or only field. This condition should not occur when a template is created by using the product's online interface. Processing terminates.

*User response:* If you created the report template by using the product's online interface and the template has not been edited, contact BMC Customer Support.

BMC397009  REPORT TEMPLATE ERROR - INVALID ATTRIBUTE VALUE attribName="attribValue", ELEMENT elementName

*Explanation:* The product displays this message as it processes a report template. A valid element within the template has a valid attribute, but the value of the attribute is not valid. The message displays the valid attribute value and the valid element name. This condition should not occur when a template is created by using the product's online interface. Processing terminates.

*User response:* If you created the report template by using the product's online interface and the template has not been edited, contact BMC Customer Support.
BMC397010 REPORT TEMPLATE ERROR - MISSING ATTRIBUTE attributeName, ELEMENT elementName

Explanation: The product displays this message as it processes a report template. A valid element within the template does not define at least one of that element's required attributes. The message displays the name of the value element and the name of the missing attribute. This condition should not occur when a template is created by using the product's online interface. All element and attribute values in a report template are case-sensitive. Processing terminates.

User response: If you created the report template by using the product's online interface and the template has not been edited, contact BMC Customer Support.

BMC397011 REPORT TEMPLATE ERROR - EMPTY REPORT TEMPLATE FILE

Explanation: The product displays this message as it attempts to generate a report by using a report template. The SYSIN syntax of your job or job step defines a template data set, but the data set does not contain a valid report template. Processing terminates.

User response: Use the product's online interface to verify whether your specified data contains a valid report template. (Attempt to import a template from the data set.) Edit the SYSIN syntax of your job or job step to specify the correct data set name. Submit the job again.

BMC397012 REPORT TEMPLATE ERROR - INVALID ATTRIBUTE DATA TYPE: attribName="attribValue", ELEMENT elementName

Explanation: The product displays this message as it processes a report template. A valid element within the template defines a valid attribute, but the value defined for that attribute is not the correct data type. For example, an attribute that requires a numeric value might be defined with an alphanumeric value. The message displays the valid attribute name, the invalid attribute value and the valid element name. This condition should not occur when a template is created by using the product's online interface. Processing terminates.

User response: If you created the report template by using the product's online interface and the template has not been edited, contact BMC Customer Support.

BMC397013 REPORT OPTIONS keyword01 AND keyword02 ARE MUTUALLY EXCLUSIVE

Explanation: This message indicates that two syntax keywords within the same report definition conflict with each other. For example, the TEMPLATE keyword specifies a report template (which includes the order by fields for sorting). If your batch syntax also specifies fields with the ORDER BY keyword, the product cannot determine which set of order by fields to use. Processing terminates.

User response: Edit the SYSIN syntax of your job or job step. Remove or change the value of one of the conflicting syntax keywords. Submit the job again.
**BMC397014**  
**REPORT TYPE reportType DOES NOT MATCH THE REPORT TYPE DEFINED IN TEMPLATE templateStorageType templateLocation**

*Explanation:* The product displays this message as it attempts to generate a report by using a report template. The template defines a report type (for example, Audit, Detail, Summary, and so forth), but the SYSIN syntax of your job or job step defines a different report type. The message displays either the template ID or the template data set name (depending on the location specified by your SYSIN syntax). Processing terminates.

*User response:* Edit the SYSIN syntax of your job or job step. Either change your report type to match the template, or change your template to match the report type. Submit the job again.

**BMC397015**  
**columnType ROLLBACKS PROCESSED nnnnnn**

*Explanation:* The product displays this informational message as it processes data from large-volume columns (such as LOB or XML columns). The message displays the number of rollback actions that affected large-volume columns. Processing continues.

*User response:* No action is required.

**BMC397016**  
**PROCESSING ERROR OCCURRED IN IDCAMS SERVICES, SEE PRECEDING MESSAGES**

*Explanation:* The product is attempting to perform an operation on a data set (allocation, deletion, and so forth) and has encountered an IDCAMS error during the operation that prevents successful completion. Processing terminates.

*User response:* Use any preceding or subsequent operating system messages to determine the cause of the error and resolve it. If you cannot resolve the error condition or if there appears to be no valid reason for the error, contact BMC Customer Support.

**BMC397017**  
**dataSetType DATASETS THAT HAVE BEEN ALLOCATED nnnnnn**

*Explanation:* The product displays this informational message as it allocates data sets for use as external VSAM files for large-volume columns (such as LOB or XML columns). The message displays the type of file and the number of allocated data sets. Processing continues.

*User response:* No action is required.

**BMC397018**  
**REPORT TEMPLATE ERROR - ELEMENT VALUE elementName INVALID FOR REPORT TYPE reportType**

*Explanation:* The product displays this message as it processes a report template. The template defines a valid report type (for example, Audit, Detail, Summary, and so forth), but it also contains at least one element that is not valid for the current report (although the element might be valid for other report types). The message displays the invalid element name and the report type defined in the template.
type of the template. This condition should not occur when a template is created by using the product's online interface. Processing terminates.

User response: If you created the report template by using the product's online interface and the template has not been edited, contact BMC Customer Support.

**BMC397019**

REPORT TEMPLATE ERROR - ELEMENT VALUE `elementName` INVALID FOR REPORT SECTION `reportSection`

Explanation: The product displays this message as it processes a report template. At least one of the elements in the template is contained within a report section (for example, report header, break footer, and so forth) that does not support that element. The message displays the element name and the name of the report section that does not support the element. This condition should not occur when a template is created by using the product's online interface. Processing terminates.

User response: If you created the report template by using the product's online interface and the template has not been edited, contact BMC Customer Support.

**BMC397020**

DECOMPRESSION REQUIRED FOR RBA `X'rbaValue'`

Explanation: This warning message indicates that the product needs to decompress a log record for a compressed table space. The product is attempting to obtain the applicable compression dictionary from either an available image copy or from the current table space. Processing continues.

User response: No immediate action is required. If the product cannot obtain the required compression dictionary, it might terminate later with additional error messages.

**BMC397021**

`event01` FOUND AT `X'rbaValue01' AND `action02` FOUND AT `X'rbaValue02' WITH NO VALID FULL COPY

Explanation: This warning message indicates that the product has encountered the log records of two events that restrict compression dictionary and row completion processing. No image copy exists to provide compression dictionaries or row images for the range of log between these two events. Standard practices of recoverable DB2 operation normally prevent this situation from occurring. The product might not be able to process the range of log between the two events successfully. Processing continues.

User response: No immediate action is required. If the product needs to obtain a compression dictionary for (or perform row completion processing on) log records between the two events, it might terminate later with additional error messages.

**BMC397022**

DATASET `dataSetName` IS A PDS BUT NO MEMBER WAS SPECIFIED

Explanation: The product displays this message as it attempts to read or write an external data set (for example, a report template data set). Your job or job
step specifies a partitioned data set (PDS), but does not specify a member within the PDS. Processing terminates.

*User response:* Edit your SYSIN syntax (or redefine your work ID through the online interface) to complete the specified PDS with a member name. Submit the job again.

**BMC397024**  
**INVALID RECFM FOR DATASET** *dataSetName*

*Explanation:* The product displays this message as it attempts to read or write an external data set (for example, a report template data set). Your job or job step specifies a data set, but the data set you specified has a record length that is not compatible with the data that the product expects to read or write. Processing terminates.

*User response:* Edit your SYSIN syntax (or redefine your work ID through the online interface) to specify a valid record format. Submit the job again.

**BMC397025**  
**XML RECORD NOT FOUND FOR DOCID** *nodeValue* **VERSION** *versionNumber*

*Explanation:* The product displays this warning message as it processes log records related to an XML column. The product has encountered a log record of a change to a table that contains an XML column, but cannot find a log record of a related change to the corresponding XML table space. This situation can occur when the product processes the log records of a LOAD LOG YES action. The log can contain duplicate log records for the table with the XML column, but no duplicate records for the XML table space. Processing continues.

*User response:* No immediate action is required. If a LOAD LOG YES action has not occurred during the time frame of your log scan, contact BMC Customer Support.

**BMC397026**  
**LOG MASTER TECHNOLOGY IS PROTECTED BY U.S. PATENT NUMBER** *patentNumbers*

*Explanation:* This informational messages lists patents that cover the current version of the product. Processing continues.

*User response:* No action is required.

**BMC397027**  
**CREATE INSTANCE FAILED: COMID< nnnn> CLSID< nnnn> IID< nnnn> HRESULT< nnnn>

*Explanation:* The product encountered an internal error during processing. The product requires one of its internal parts (modules), but that module is not currently available. Many possible reasons exist for this problem, including installation problems or other failures in your environment. In some cases, this message can indicate that the product cannot find the module in your STEPLIB concatenation. Processing terminates.

*User response:* To determine the missing module, contact BMC Customer Support.
**BMC397028**  
**QUERY INTERFACE FAILED:** COMID nnnn CLSID nnnn IID nnnn HRESULT nnnn

*Explanation:* An internal error occurred during processing. This error might be because of a failed or corrupted installation. Processing terminates.

*User response:* Contact BMC Customer Support.

**BMC397029**  
**INTERFACE ERROR:** COMID nnnn CLSID nnnn IID nnnn HRESULT nnnn

*Explanation:* An internal error occurred during processing. This error might be because of a failed or corrupted installation. Processing terminates.

*User response:* Contact BMC Customer Support.

**BMC397030**  
**LINES PER PAGE OF linePageValue01 FOR TEMPLATE templateLocation IS INSUFFICIENT, AT LEAST linePageValue02 REQUIRED FOR HEADERS, FOOTERS, AND DATA**

*Explanation:* The product can display this message as it processes a report template or as it attempts to generate a report by using a template. The current template defines a number of lines per page that is too small. The currently defined page cannot contain all of the template's headers and footers (for the report and the defined report breaks) and at least one body/detail record. The message displays either the template ID or the data set name of the template and provides an estimated minimum lines per page value. Processing terminates.

*User response:* Use the product's online interface to change the template and either increase the number of lines per page, or decrease the number of lines in the report's headers, footers, and body detail records. Submit the job again.

**BMC397031**  
**REPORT TEMPLATE ERROR syntaxErrorText**

*Explanation:* The product displays this message as it processes a report template. The template contains invalid XML syntax. The message displays the error text that is returned by the product's internal XML parser. This condition should not occur when a template is created by using the product's online interface. Processing terminates.

*User response:* If you created the report template by using the product's online interface, and the template has not been edited, contact BMC Customer Support.

**BMC397032E**  
**objectType objectName WAS IMPLICITLY CREATED FOR XML COLUMN. DO NOT EXPLICITLY SPECIFY XML objectType TO RECOVER THE OBJECT IN DROPRECOVERY PROCESSING**

*Explanation:* The new XML table or table space to be created implicitly by DB2 might not have the same object name as the dropped object.

*User response:* In the DROPRECOVERY statement, specify the name of the XML base table or table space that you want to recover, and then submit the job again.
**BMC397033**  **RECORD BUFFER SIZE** \textit{buffersize TOO SMALL, recordType LENGTH recordLength, RBA recordRBA}  

\textit{Explanation:} The variable \textit{recordType} is one of the following values:  

- DDL CATALOG OBJECT  
- LLOG INPUT RECORD  

The record buffer size is too small.  

\textit{User response:} Contact BMC Customer Support.

**BMC397034**  **INVALID SORT ORDER FOR \textit{reportType} REPORT, ORDER MUST BE \textit{requiredOrder}**  

\textit{Explanation:} The specified order for sorting data in the report is not valid for the report that you are generating.  

\textit{User response:} Correct the sort order to use the order displayed in the message, and then try the report again.

**BMC397035**  **WARNING: INVALID COMPRESSION DICTIONARY FOUND IN THE REPOSITORY: \textit{databaseName.tableSpaceName}, DSNUM: \textit{partitionNumber}, STARTRBA: \textit{startRbaValue}, BUILTRBA: \textit{builtRbaValue}**  

\textit{Explanation:} The product attempted to load and use a compression dictionary from the repository, but the object was incomplete or not valid. This can happen if a REPOS UPDATE job was terminated while it was updating the repository, or if the ALPOLDO table was manually modified. The compression dictionary object in the Repository is not usable. The product will attempt to load the compression dictionary from other sources, such as image copies. Processing continues.  

\textit{User response:} Determine why the compression dictionary is not valid, or contact BMC Customer Support.

**BMC397036**  **PREDICATE TYPE \textit{predicateType} NOT VALID FOR NON-DATASHARING SUBSYSTEM**  

\textit{Explanation:} Your filter specifies a selectable field and value related to data sharing (for example, MEMBER NAME=DB2A). However, the DB2 subsystem that you are running on is a non-data sharing environment.  

\textit{User response:} Correct your filter by removing the predicate type and value. Submit the job again.

**BMC397037**  **DDNAME = \textit{ddname}**  

\textit{Explanation:} This message displays a ddname associated with another message.  

\textit{User response:} This message does not require an immediate action. Your overall response depends on the content of the associated messages.
BMC397038  NO OBJECT SET FOUND FOR objectSetNameOrPattern
Explanation: Log Master found no matches for the object set name or pattern that you specified in the filter.
User response: Correct the object set name or pattern in the filter and submit the job again.

BMC397039  INVALID TOKEN allocationParameter AFTER DATASET dataSetName ALLOCATION. PARAMETER IS NOT ALLOWED FOR DDNAME OUTPUT SYNTAX AS DSN NAME IS 8 BYTES OR LESS
Explanation: For the output type that is specified in the job, Log Master treats a data set name of eight bytes or less as a DD name, and does not allow allocation parameters.
User response: Remove the allocation parameters and submit the job again.

BMC397040  THE REQUESTED OUTPUT MAY NOT INCLUDE ANY COMMAND RECORDS BECAUSE COMMANDS ARE NOT LOGGED IN DB2 VERSION version
Explanation: The output included a Command report, or included a request for DB2 command records in the logical log. However, you are running the product on DB2 version 8 or earlier, which do not support this feature.
User response: No action is required.

BMC397041  QUEUE NODE OFFLOAD # number COMPLETE FOR URID X'uridRbaValue'
Explanation: This message indicates the number of queue node offloads that occurred, and the URID that was offloaded.
User response: No action is required.

BMC397042  TOTAL ALLOCATED STORAGE USED amountK, NUMBER OF RECORDS OFFLOADED number
Explanation: This message indicates the maximum storage that was used for Queue Manager storage before a URID/queue node was offloaded to prevent exceeding the storage limit. The maximum storage limit is specified by the value of either the QBLRBUF installation option or the LOGRECORD BUFSIZE keyword of the OPTION statement.
User response: No action is required.

BMC397043  QUEUE NODE OFFLOAD DATASET dataSetName RETURNED FOR REUSE
Explanation: This message indicates that a queue node offload data set was returned to the list of free allocated data sets for reuse when another queue node offload is required.
User response: No action is required.
<table>
<thead>
<tr>
<th>Message ID</th>
<th>Message Description</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC397044</td>
<td><strong>LOG BYTES SORT READY TO BE CLOSED</strong></td>
<td><em>Explanation:</em> Log Master has gathered all of the required information, and the sort input phase is complete.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC397045</td>
<td><strong>ZIIP ENABLED (xbmReturnCode) USING XBM SUBSYSTEM ssid</strong></td>
<td><em>Explanation:</em> Log Master enabled zIIP processing successfully, and discovered the specified XBM subsystem for zIIP enablement. XBM issues the return code after enablement.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC397046</td>
<td><strong>ZIIP NOT ENABLED (xbmReturnCode) USING XBM SUBSYSTEM ssid</strong></td>
<td><em>Explanation:</em> See explanation for message BMC397047.</td>
<td>See response for message BMC397047.</td>
</tr>
<tr>
<td>BMC397047</td>
<td><strong>ZIIP NOT ENABLED (xbmReturnCode)</strong></td>
<td><em>Explanation:</em> These messages indicate that zIIP processing was not enabled successfully. However, Log Master might have discovered an XBM subsystem. XBM issues the return code, and the value depends on the reason for the error.</td>
<td>Some possible return codes and responses are as follows. If you cannot correct the problem, contact BMC Customer Support.</td>
</tr>
<tr>
<td></td>
<td>- Return code 8: An internal error occurred. Contact BMC Customer Support.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Return code 20: The product is not using the correct XBM API module (XBMXCCIF) for communicating to the specified XBM subsystem. To use the correct module as the interface between XBM and the supported product, include XBMXCCIF in the STEPLIB or LINKLIST.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Return code 117: The product issued a request to the XBM subsystem. However, the XBM subsystem is not at the correct maintenance level, or a required component is not active. Ensure that the XBM subsystem supports zIIP processing and that any required XBM components are active (for example, the DB2 and zIIP components).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMC397048</td>
<td><strong>CORR ID: correlationID AUTH ID: authorizationID PLAN NAME:(planName</strong></td>
<td><em>Explanation:</em> The linear Queue Manager spilled a URID to a data set. Message BMC397041 follows with more information.</td>
<td>No action is required.</td>
</tr>
<tr>
<td></td>
<td><strong>CONN TYPE: connectionType CONN ID: connectionID</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### BMC397049
**ALLOCATION PARAMETERS FOR datasets DATASETS ARE MISSING**

**Explanation:** The allocation parameters for the data set named in the message are not correct. Log Master requires either SMS parameters or the volume serial number.

**User response:** Correct the allocation parameters and submit the job again.

### BMC397050
**DUPLICATE FILE REFERENCE DATASETS FOUND FOR COLUMNS columnName AND columnName. columnType COLUMNS REQUIRE A UNIQUE NAME**

**Explanation:** Your job uses a file reference data set name that already exists in the log scan.

**User response:** Rename the file reference data set and submit the job again.

### BMC397051
**BEFORE IMAGE FOR UPDATE FOUND FOR tableName, NOT HANDLED FOR LOAD DB2 OUTPUT**

**Explanation:** Log Master detected an inline LOB for which some data is stored in the LOB auxiliary store. No before image is associated with that data; therefore, if you generate UNDO SQL, the SQL UPDATE statement will not include that data. Log Master can only generate UNDO SQL to undo an update action on an inline LOB column when the LOB is contained entirely in the inline section, and you use Data Capture Changes (DCC).

**User response:** No action is required.

### BMC397052
**COLUMN NAME: columnName ROWID: rowID LOGRBA: logRba**

**Explanation:** This message identifies the record associated with message BMC397051.

**User response:** No action is required.

### BMC397053
**INVALID recordType RECORD FOUND FOR idType, NOT HANDLED FOR outputType OUTPUT**

**Explanation:** A LOB or XML record has the invalid bit set, and Log Master skipped the record.

**User response:** No action is required.

### BMC397054
**FOUND PENDING CHANGE(S) ON TABLESPACE tableSpaceName, CANNOT UNDO THE SPECIFIC CHANGES FOR UNDO DDL**

**Explanation:** Log Master cannot UNDO a specific pending change for UNDO DDL. Comments in the DDL output show the pending changes.

**User response:** No action is required.

### BMC397055
**CANNOT POINT INTO LOG FILE dataSetName**

**Explanation:** The product displays this informational message as it attempts to use point processing (random access) to read information from the data set.
listed in the message. However, random access is not available for one of the following reasons:

- the data set is located on tape
- the data set is striped
- the data set was compressed by the PACLOG for DB2 product, or another compression utility

The product continues processing and uses sequential access to read the required information from this data set. Performance might be affected.

User response: No action is required.

BMC397056 DISCARDING SYSOBD RECORD DUE TO reason

Explanation: Log Master cannot process SYSOBD records for cloned tables or aborted URIDs. Log Master also suppresses the older version log records that are associated with the clone and its base table.

User response: No action is required.

BMC397057 PROCESSING SYSOBD RECORD OF COMMITTED URID X‘uridRbaValue’

Explanation: This message indicates that Log Master is passing the SYSOBD record of the specified URID to the DB2 Solution Common Code (SCC) API that it uses.

User response: No action is required.

BMC397058 REGISTRATION OF PSID: psidValue RETURNED A WARNING

Explanation: This message indicates that the DB2 Solution Common Code (SCC) API that Log Master uses returned a warning message when Log Master registered a table space for which no versions exist.

User response: No action is required.

BMC397059 VERSIONED ROW FOR CLONED TABLE DETECTED, LOG RBA X‘rbaValue’, DBID dbidValue, PSID psidValue, RID X‘ridValue’

Explanation: Log Master detected log records for a cloned table, which it cannot process. Log Master discards the log record and ends with return code 8.

User response: Remove the unsupported log records from the log scan and submit the job again.

BMC397060 SOME DDL STATEMENT TEXT(S) MAY NOT BE AVAILABLE DUE TO LOB NOT INCLUDED OR LOB DATA UNAVAILABLE

Explanation: Log Master cannot generate DDL statement text that is stored in LOB data. This error occurs when you are running Log Master on a DB2 version 10 or later subsystem, and one of the following conditions exists:
The input logical log file that you are using was not generated with INCLUDE LOBS or INCLUDE DDL.

The LOB data is not available. This condition usually occurs on DELETE records when Log Master cannot find LOB data from a LOB table space image copy.

*User response:* If you are using an input logical log file, ensure that the file is generated with INCLUDE LOBS or INCLUDE DDL and submit the job again. To avoid the unavailable LOB data condition, regularly make image copies of system catalog and LOB table spaces. If the problem persists, contact BMC Customer Support.

**BMC397061**  
**messageText**

*Explanation:* The text shown is output from a facility used by this product (for example, IDCAMS).

*User response:* Consult the technical documentation for the facility that issued the original message, or contact BMC Customer Support.

**BMC397062**  
**EITHER DB2 CONNECTION OR XML STRING FILE IS REQUIRED FOR PROCESSING XML DATA**

*Explanation:* The SQL or LOAD output included XML data from a logical log input file that did not include an XMLSTRING control file. This file contains the string IDs and string data that DB2 uses to encode the data in XML columns.

*User response:* If you received message BMC097444, then you must establish a DB2 connection. To do so, specify a WORKID statement or a LOGMARK statement in the job syntax. Rerun the job with the DB2 connection, or regenerate the logical log input file to include the XMLSTRING control file.

**BMC 397063**  
**icType RECORD FOUND IN SYSCOPY FOR databaseName.tableSpaceName DSNUM partitionNumber AT RBA X'startRbaValue'**

*Explanation:* For DB2 version 9 and later, Log Master discovered a CREATE or MODIFY SYSCOPY record for the named table space with the RBA/LRSN specified in the message. If *icType* is MODIFY (the result of a MODIFY RECOVERY utility), this could signify that image copy information, REORG activity, log ranges, and so on, that Log Master requires might not be available. The result might be incomplete or errant processing.

*User response:* Review the output for completeness.
BMC397064  VERSIONED ROW FOR TABLE WITH INLINE LOB DETECTED, LOG RBA X'rbaValue', DBID dbidUser, OBID obidUser, RID X'ridValue'

Explanation: Log Master detected log records that need to be normalized to the current version for a versioned table that includes an inline LOB. Log Master cannot process log records for tables with inline LOBs.

User response: Change your filter to exclude log records for the specified OBID from the log scan, and submit the job again.
Messages WER001 through WER999

This group includes messages for the BMCSORT component.

Messages WER001 through WER099

For the BMCSORT component, this topic explains each message in the designated range.

WER001A  COL 1 OR 1-15 NOT BLANK

Explanation: One of the following two conditions triggered this error message:

- BMCSORT found a character in column 1 of the END control statement or in columns 1-15 of a continuation statement that follows a statement with a character in column 72. These columns must be blank.

- BMCSORT found a nonblank character in columns 1-15 of a sort control statement in the $ORTPARM data set. These columns must be blank.

User response: Contact BMC Customer Support.

WER002A  EXCESS CARDS

Explanation: The static internal storage area is inadequate for the quantity and/or complexity of the control statements in this application. Either the minimum storage value set at installation time is too low, or insufficient storage is available in your region.

User response: Ask the systems programmer in charge of installation to increase the minimum storage (MINCORE) value unless the storage available in the region is less than the minimum storage value. In that case, increase the storage available in the region or partition so that it at least equals the minimum storage value.
WER012A  NO FLD DEFINER
Explanation: The SORT/MERGE control statement does not contain a specified FIELDS operand.
User response: Contact BMC Customer Support.

WER017A  ERR IN DISP LENGTH VALUE
Explanation: One of the control fields contains an error. One of the following conditions occurred:

- The length and displacement value of a control field is greater than 4092 (4084 for variable-length records), or less than one.
- The sum of the lengths of all control fields exceeds 4092 (4084 for variable-length records).

User response: Contact BMC Customer Support.

WER018A  CTL FLD ERR
Explanation: The SORT/MERGE control statement contains a data format error for a control field. One of the following conditions occurred:

- You specified the format for one field, but not for another.
- You specified bit comparisons without specifying FORMAT=BI.

User response: Contact BMC Customer Support.

WER026A  L1 NOT GIVEN
Explanation: The LENGTH operand on a RECORD control statement does not contain an l1 value.
User response: Contact BMC Customer Support.

WER027A  CONTROL FIELD BEYOND RECORD
Explanation: The location of the last byte of a SORT/MERGE control field is beyond the maximum record length that was specified (or beyond column 32750), or a variable length record is shorter than the ending location of a specified control field.
User response: Contact BMC Customer Support.

WER029A  IMPROPER EXIT
Explanation: The set of legal exits depends on the sorting technique chosen.
User response: Contact BMC Customer Support.

WER036B  G=ggg, B=bbb, SEGLEN=sss, BIAS=zz
Explanation: The tuning information displayed is as follows:
<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>G= ggg</td>
<td>ggg is the number of records that can be contained in BMCSORT’s working virtual storage area. For variable-length records, this number is the number of segments.</td>
</tr>
<tr>
<td>B= bbb</td>
<td>bbb indicates the physical blocking used for intermediate storage. For fixed-length records, this number represents the blocking factor. For variable-length records, it represents the blocksize. The B value will not appear in the message for incore or turnaround sorts.</td>
</tr>
<tr>
<td>SEGLEN= sss</td>
<td>This value appears in the message for variable-length records, when the execution is not an incore or turnaround sort. It reflects the segment length used in BMCSORT’s working storage during Phase 1.</td>
</tr>
<tr>
<td>BIAS= zz</td>
<td>zz reflects the degree of prior sequencing in the input data. The number displayed ranges from 00 to 99 indicating random to highly sequenced input. The BIAS value is not included in the message for an incore or turnaround sort, where it is 100 by definition.</td>
</tr>
</tbody>
</table>

User response: No action is required.

WER039A INSUFFICIENT VIRTUAL STORAGE

Explanation: The amount of virtual storage available to BMCSORT is not large enough to permit execution.

User response: Contact BMC Customer Support.

WER045C END SORT PH

Explanation: BMCSORT has completed its sort phase.

User response: No action is required.

WER046A SORT CAPACITY EXCEEDED

Explanation: All available intermediate storage is exhausted, including any secondary allocation allowed in this job set. Sort processing cannot continue.

User response: Supply more intermediate storage (by using the SORTWK calculation formula).

WER047A RCD CNT OFF, IN x, OUT y

Explanation: The actual number of records that you specified in the SIZE parameter on the SORT control statement is not equal to the number of records that BMCSORT read from the E15 exit routine.

User response: Contact BMC Customer Support.
WER052I  END SYNCSORT - jobName, stepName, procStepName, DIAG=hhhh, hhhh,...

Explanation: BMWCSORT executed successfully. The hexadecimal information that follows the DIAG keyword in this message can differ for each execution of BMWCSORT. BMC Customer Support uses this internal diagnostic information.

User response: No action is required.

WER054I  RCD IN x, OUT y

Explanation: The x variable represents the number of records that BMWCSORT read from the input data sets. The y variable represents the number of records in the output file.

User response: No action is required.

WER055I  INSERT x, DELETE y

Explanation: The x variable represents the number of records that user exit routines inserted. The y variable represents the number of records that user exit routines deleted.

User response: No action is required.

WER059A  RCD LNG INVALID FOR DEVICE

Explanation: The logical record length specified for a fixed-length input data set plus overhead, if any, is too large to fit on one disk track of the intermediate storage device.

User response: Specify SORTWK device types with a track capacity that is sufficient for the size of the record. If you need further assistance, contact BMC Customer Support.

WER061A  I/O ERR jobName, stepName, unitAddress, deviceType, ddName, operationAttempted, errorDescription, lastSeekAddress or blockCount, accessMethod.

Explanation: An I/O error has occurred on the device whose address is given. I/O errors are often transient. Resubmitting the job may result in a successful run.

User response: Resubmit the job. If it fails again, contact BMC Customer Support.

WER063A  dataSetName OPEN ERR

Explanation: BMWCSORT cannot open the data set that is displayed in the message.

User response: Check for missing DD statements and supply them.
WER066A  APPROX RCD CNT x

Explanation:  The sort ended when BMCSORT used all available sort space. The message shows the approximate number of records that BMCSORT processed before ending.

User response:  Increase the amount of SORTWK space that you specified in the JCL or the default space that you specified in the DYNALOC installation option.

WER071A  MAXIMUM NUMBER OF RECORDS EXCEEDED

Explanation:  BMCSORT’s default internal limit on the maximum number of records that can be sorted has been exceeded. By default, the internal limit on the number of records that can be processed for variable-length data or for a sort application that uses the EQUALS option is 4,294,967,295 records.

User response:  Contact BMC Customer Support.

Messages WER100 through WER199

For the BMCSORT component, this topic explains each message in the designated range.

WER112A  INVALID VALUES IN FIELD PARAMETER

Explanation:  An invalid value was specified in the FIELDS operand of the SORT/MERGE control statement.

User response:  Contact BMC Customer Support.

WER113A  TOO MANY SORT FIELDS

Explanation:  The number of sort control fields that you specified exceeded the internal limits of BMCSORT. The absolute upper limit on the number of sort control fields is 128. However, depending on the complexity of an application, the number limit might be less than 128. When BMCSORT uses locale processing, the length of those fields also limits the number of allowable CH control fields.

User response:  Contact BMC Customer Support.

WER115A  ILLEGAL MOD NAME

Explanation:  A program exit on a MODS control statement has an invalid name.

User response:  Contact BMC Customer Support.
**WER122A**  **INVALID INTERMEDIATE STORAGE DEVICE**

*Explanation:* An invalid device was assigned as intermediate storage. Valid devices include IBM’s 3380, 3390, and 9345 mass storage system, and equivalent units.

*User response:* Select a valid device from those that are listed in the explanation for this message.

**WER123A**  **IMPROPER RETURN CODE FROM Exx**

*Explanation:* An invalid return code was passed by the exit that appears in the message. Valid return codes are 0, 4, 8, 12, 16.

*User response:* Contact BMC Customer Support.

**WER124I**  **[ESTIMATED] PREALLOCATED/USED SORTWORK SPACE USAGE FACTOR \(\text{=} \ | < \ | > \) nn.nn**

*Explanation:* \(nn.nn\) represents the quotient obtained by dividing the number of tracks assigned within preallocated sort works (sort works allocated in the JCL or dynamically allocated by an invoking program) by the number of tracks actually used by BMCSORT. The word ESTIMATED is included in when BMCSORT’s derivation of this factor is inexact, for example, when all sort work data sets are not opened, or when data space or hiperspace are used to contain part or all of the sort work data.

*User response:* No action is required.

**WER133A**  **Enn USER EXIT RETURNED CODE TERMINATE**

*Explanation:* The exit routine that is displayed in the message passed return code 16, and BMCSORT terminated.

*User response:* Examine the message from the BMC Software product that invoked BMCSORT for more information. If you cannot determine the problem, contact BMC Customer Support.

**WER135A**  **TASK CALL/E35 TERMINATED PREMATURELY**

*Explanation:* An E35 exit routine (COBOL Output Procedure) passed a return code of 8, terminating the sort before the sort was able to pass all of the records.

*User response:* Examine the message from the BMC Software product that invoked BMCSORT and make the necessary corrections. If you cannot determine the problem, contact BMC Customer Support.

**WER135I**  **TASK CALL/E35 TERMINATED PREMATURELY**

*Explanation:* An E35 exit routine (COBOL Output Procedure) passed a return code of 8, terminating the sort before the sort was able to pass all of the records.

*User response:* No action is required.
WER144B  **UNEXPECTED VIRTUAL STORAGE FRAGMENTATION**

*Explanation:* The amount of virtual storage calculated by BMCSORT for Phases 2 or 3 was not available in a contiguous block. Additional virtual storage was obtained to satisfy the sort requirement. This condition was probably caused by virtual storage not released by the user program in the job step (for example, user exit buffer space was not released).

*User response:* No action is required.

WER146B  **nnn BYTES OF EMERGENCY SPACE**

*Explanation:* BMCSORT set aside the amount of virtual storage that is displayed in the message for other programs (for example, for the program that invokes the sort, system SVCs, or tape management system).

*User response:* No action is required.

WER149B  **FRAGMENTED VIRTUAL STORAGE IN SORT PHASE**

*Explanation:* The virtual storage that you specified for BMCSORT processing was not available in a contiguous block for phase 1. A calling program or user exit routine might have caused this condition. BMCSORT obtains its virtual storage in fragments and continues executing. Note that the calling program or user exit routine can produce fragmentation when it uses virtual storage. This practice might also cause an abend 80A or S804.

*User response:* No action is required.

WER151B  **SECONDARY EXTENTS OBTAINED xxx**

*Explanation:* This message displays the number of secondary extents obtained for SORTWKnn data sets.

*User response:* No action is required.

WER152B  **REQUESTED VIRTUAL STORAGE NOT AVAILABLE, nnn BYTES USED**

*Explanation:* The CORE parameter specified a value which was not available when BMCSORT received control. The number of available bytes used by BMCSORT is given.

*User response:* No action is required.

WER153A  **INSUFFICIENT VIRTUAL STORAGE IN {INT. | FINAL} MERGE PHASE**

*Explanation:* BMCSORT cannot execute because an amount of virtual storage that is available for the merge phase (the intermediate or final merge phase) is insufficient.

*User response:* Contact BMC Customer Support.

WER161B  **ALTERNATE PARM USED**

*Explanation:* The alternate PARM option was used and BMCSORT received the parameters specified.

*User response:* No action is required.
WER162B  

**ppp PREALLOCATED SORTWORK TRACKS, ddd DYNAMICALLY ALLOCATED sss ACQUIRED IN xxx SECONDARY EXTENTS, rrr RELEASED, TOTAL OF uuu TRACKS USED**

*Explanation:* The following table describes the variables in this message:

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ppp</td>
<td>This variable represents the available number of tracks found in SORTWK data sets that the utility allocated before BMCSORT gained control. You might have allocated these tracks in the JCL, or the invoking program might have dynamically allocated them. Note that the ppp variable might not represent all of the preallocated tracks available; BMCSORT might not have opened some preallocated SORTWK data sets.</td>
</tr>
<tr>
<td>ddd</td>
<td>This variable represents the number of tracks that BMCSORT dynamically allocated as primary space.</td>
</tr>
<tr>
<td>sss</td>
<td>This variable represents the number of tracks for secondary space on preallocated data sets, as well as on data sets that BMCSORT dynamically allocated.</td>
</tr>
<tr>
<td>xxx</td>
<td>This variable represents the total number of secondary extents.</td>
</tr>
<tr>
<td>rrr</td>
<td>This variable represents the total number of superfluous tracks that BMCSORT released from preallocated data sets, as well as on data sets that BMCSORT dynamically allocated.</td>
</tr>
<tr>
<td>uuu</td>
<td>This variable represents the total number of tracks that BMCSORT actually used when sorting.</td>
</tr>
</tbody>
</table>

Note that the value of the uuu variable might be less than the sum of the values of the ppp, ddd, and sss variables because the uuu variable represents the space that BMCSORT actually used, rather than the available space.

*User response:* No action is required.

WER164B  

**www BYTES OF VIRTUAL STORAGE AVAILABLE, xxx BYTES REQUESTED, yyy BYTES RESERVE REQUESTED, zzz BYTES USED**

*Explanation:* This message indicates the total amount of virtual storage below and above the 16-megabyte line that is available to BMCSORT and that BMCSORT used. The following table describes the variables in this message:

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>www</td>
<td>This variable represents the amount of virtual storage available (free) when BMCSORT received control.</td>
</tr>
<tr>
<td>xxx</td>
<td>This variable represents the amount of virtual storage requested for BMCSORT use.</td>
</tr>
<tr>
<td>Variable</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
</tr>
<tr>
<td>yyy</td>
<td>This variable represents the amount of virtual storage that the user requested BMCSORT to reserve below the 16-megabyte line.</td>
</tr>
<tr>
<td>zzz</td>
<td>This variable represents the amount of virtual storage that BMCSORT used.</td>
</tr>
</tbody>
</table>

*User response:* No action is required.

**WER167A**  
**REC LEN GT L3, USER REQ ABORT**  
*Explanation:* Prior to output processing, BMCSORT has encountered a variable-length record longer than the L3 value on the RECORD control statement (if an E35 exit was in use).  
*User response:* Contact BMC Customer Support.

**WER168A**  
**CONTROL FIELD WITHIN RDW**  
*Explanation:* A SORT/MERGE control field for a variable-length file fell within the Record Descriptor Word of each record. This is a critical error whenever the control field is specified with a ZD or PD format code.  
*User response:* Contact BMC Customer Support.

**WER168I**  
**CONTROL FIELD WITHIN RDW**  
*Explanation:* A SORT/MERGE control field for a variable-length file falls within the Record Descriptor Word of each record. (The first byte of the data portion of a variable-length record is at byte position 5.)  
*User response:* No action is required.

**WER169I**  
**RELEASE r.r BATCH nnnn TPF LEVEL n.n**  
*Explanation:* This message shows details on the release level, the batch number, and the last TPF that was applied to BMCSORT.  
*User response:* No action is required.

**WER175A**  
**INCORE SORT CAPACITY EXCEEDED**  
*Explanation:* There are too many input records to fit in virtual storage.  
*User response:* Either increase the amount of virtual storage the sort is able to use or supply SORTWKnn DD statements. (The DYNALLOC option may be used instead of SORTWKnn DD statements.)

**WER177I**  
**TURNAROUND SORT PERFORMED**  
*Explanation:* BMCSORT was able to sort the input file without using intermediate storage (SORTWKnn). All input data was contained in virtual storage.  
*User response:* No action is required.
Messages WER200 through WER299

For the BMCSORT component, this topic explains each message in the designated range.

WER206A  INVALID PAGEFIX SVC NUMBER

*Explanation:* Although you specified that BMCSORT should use the EXCPVR facility, you did not specify a page-fix SVC number during installation.

*User response:* Contact BMC Customer Support.

WER208I  MIXTURE OF SORTWK DEVICES

*Explanation:* BMCSORT assigned sort work data sets to different device types.

*User response:* No action is required.

WER209B  *xxx* PRIMARY AND *yyy* SECONDARY SORTOUT TRACKS ALLOCATED, *zzz* USED

*Explanation:* BMCSORT had to request one or more secondary allocations for SORTOUT. The variables shown in this message are as follows:

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>xxx</em></td>
<td>This variable represents the number of tracks that BMCSORT initially allocated.</td>
</tr>
<tr>
<td><em>yyy</em></td>
<td>This variable represents the total number of tracks that secondary allocation acquired.</td>
</tr>
</tbody>
</table>
### Variable Description

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>zzz</td>
<td>This variable represents the total number of tracks that BMCSORT needs to contain the SORTOUT data set.</td>
</tr>
</tbody>
</table>

*User response:* No action is required.

### E15 RC INVALID, IGNORED

**Explanation:** An E15 exit routine passed a return code of 0 or 4. These return codes are invalid because BMCSORT had not passed the E15 a record address. BMCSORT ignores the invalid return code, and assumes that the return code is 8.

*User response:* No action is required.

### DYNALLOC {UNIT | STORCLASS} ASSIGNMENT ERROR

**Explanation:** Either the unit name or storage class name (DFSMS STORCLAS) is missing or specified incorrectly.

*User response:* Specify the correct DYNALLOC parameters for your installation, or contact BMC Customer Support.

### DYNALLOC WORKFILE ASSIGNMENT ERROR

**Explanation:** The product encountered an error during dynamic work file allocation.

*User response:* Contact BMC Customer Support.

### DYNALLOC FAILED RC=(rc) - name [-SMS RC= smsName]

**Explanation:** The execution of the DYNALLOC macro instruction failed. A reason code 021C indicates an undefined unit name; reason code 0214 indicates that the unit is not available. The rc variable represents the error reason code. The name variable represents either the unit name or storage class name.

When you receive the A version of this message, if all specified units are unavailable when DYNALLOC is issued, the DYNALLOC request fails.

*User response:* Specify the correct DYNALLOC parameters for your installation, or contact BMC Customer Support. For information about reason codes, refer to the appropriate IBM technical documentation.

### DYNALLOC FAILED RC=(rc) - name [-SMS RC= smsRc] SORT PROCESSING CONTINUES

**Explanation:** The execution of the DYNALLOC macro instruction failed. A reason code 021C indicates an undefined unit name; reason code 0214 indicates that the unit is not available. The rc variable represents the error reason code. The name variable represents either the unit name or storage class name. The smsRc variable represents the return code received from SMS.
When you receive the I version of this message, sort processing continues with previously allocated SORTWKs and JCL-allocated SORTWKs.

**User response:** Specify the correct DYNALOC parameters for your installation, or contact BMC Customer Support. For information about reason codes, refer to the appropriate IBM technical documentation.

**WER225I**

**E35 RC INVALID, IGNORED**

**Explanation:** BMCSORT received an invalid return code from an E35 exit routine. If an output data set was not available, the invalid code was not 4 or 8, but BMCSORT assumes that the return code was 4. If end of file was reached, the invalid code was not 8 or 12, but BMCSORT assumes that the return code was 8.

**User response:** No action is required.

**WER233A**

**VIO INVALID FOR DYNALLOC**

**Explanation:** VIO is not a valid unit device for dynamic allocation. If you specify VIO data sets as SORTWK, BMCSORT performance declines.

**User response:** Allocate SORTWK data sets on non-VIO devices.

**WER246I**

**FILESIZE x**

**Explanation:** The message gives the number of bytes of input data that BMCSORT sorted or copied for FILESIZE. This number reflects E15 processing.

**User response:** No action is required.

**WER260I**

**RECOVERY FROM B37 SUCCESSFUL. SORT PROCESSING CONTINUES**

**Explanation:** BMCSORT recovered from a B37 abend and continued processing.

**User response:** No action is required.

**WER262I**

**REENTRANT SORT NOT RESIDENT - INEFFICIENT SORT**

**Explanation:** BMCSORT loaded the resident load modules into the private area instead of executing them from the link pack area or extended link pack area. If BMCSORT finds the modules in a STEPLIB or JOBLIB DD data set, this problem can occur. Loading the resident modules into the private area limits the amount of virtual storage that is available to the sort, and might reduce efficient processing.

**User response:** Contact BMC Customer Support.

**WER263A**

**ILLEGAL USE OF MULTI-VOLUME SORTWK**

**Explanation:** BMCSORT does not support the use of multi-volume disk SORTWK data sets. (However, if BMCSORT only requires the use of the space
on the first volume of a multi-volume SORTWK file, this error message will not
be issued.)

User response:  Remove the volume count subparameters of the UNIT
parameter on all SORTWK DD statements that specify more than one volume.

WER266A  ALTPARM - PARM LENGTH GT MAX SUPPORTED

Explanation:  The length of the parameter list passed through the alternate
parameter data set exceeded the 256 byte limitation.

User response:  Contact BMC Customer Support.

WER267A  statement STATEMENT: STATEMENT NOT FOUND

Explanation:  BMCSORT cannot find the required SORT/MERGE or RECORD
statement that is displayed in the message.

User response:  Contact BMC Customer Support.

WER268A  statement STATEMENT: SYNTAX ERROR

Explanation:  The BMCSORT control statement that is displayed in the message
contains a syntax error. The next line contains an asterisk that represents the
approximate location of the syntax error.

User response:  Contact BMC Customer Support.

WER269A  statement STATEMENT: DUPLICATE STATEMENT FOUND

Explanation:  BMCSORT found more than one SORT/MERGE, RECORD,
MODS, or END statement.

User response:  Contact BMC Customer Support.

WER270A  statement STATEMENT: DUPLICATE PARM FOUND

Explanation:  You specified a single parameter multiple times on the BMCSORT
control statement that is displayed in this message; or you specified a single
parameter in the invoking parameter list and in the control statements.

User response:  Contact BMC Customer Support.

WER271A  statement STATEMENT: NUMERIC FIELD ERROR

Explanation:  You specified a numeric field incorrectly on the BMCSORT
control statement that is displayed in this message.

User response:  Contact BMC Customer Support.

WER272A  statement STATEMENT: PARMS NOT FOUND

Explanation:  You did not include required parameters on the BMCSORT
control statement that is displayed in this message.

User response:  Contact BMC Customer Support.
WER273A BLANK STATEMENT FOUND
Explanation: BMCSORT encountered a blank statement.
User response: Contact BMC Customer Support.

WER274A CONTINUATION STATEMENT ERROR FOUND
Explanation: BMCSORT has encountered a statement containing a continuation indicator, but cannot locate a continuation statement which should follow.
User response: Contact BMC Customer Support.

WER275A NO KEYWORDS FOUND ON CONTROL STATEMENT
Explanation: A required keyword has not been specified on a BMCSORT control statement.
User response: Contact BMC Customer Support.

WER276B SYSDIAG=nnnnnnnn,nnnnnnnn,nnnnnnnn,nnnnnnnn
Explanation: This message contains internal diagnostic information intended for use by BMC Customer Support.
User response: No action is required.

Messages WER300 through WER399
For the BMCSORT component, this topic explains each message in the designated range.

WER353I STARTING TIME hh.mm.ss - ENDING TIME hh.mm.ss
Explanation: The starting and ending times in hours, minutes, and seconds of the individual sort or merge just completed are given.
User response: No action is required.

Messages WER400 through WER499
For the BMCSORT component, this topic explains each message in the designated range.
WER407I UNUSABLE SORTWK DEVICE ALLOCATED [{NON RPS | UNIT=VIO}]

Explanation: During dynamic allocation, BMCSORT allocated an unusable device. BMCSORT holds the device during the sort, but does not use the device for SORTWK storage.

User response: When planning future executions, ensure that the DYNALOC parameter specifies a correct disk device. If the message cites NON RPS, specify RPS disk devices. If the message cites UNIT=VIO, specify a true disk device.

WER410B xxx BYTES OF VIRTUAL STORAGE AVAILABLE ABOVE 16MEG LINE, yyy BYTES RESERVE REQUESTED, zzz BYTES USED

Explanation: The following list describes the variables in this message:

- xxx--This variable represents the amount of virtual storage above the 16-megabyte line that was free and available when BMCSORT received control.

- yyy--This variable represents the amount of virtual storage that you requested that BMCSORT reserve above the 16-megabyte line.

- zzz--This variable represents the amount of virtual storage that BMCSORT uses above the 16-megabyte line.

User response: No action is required.

WER411B nnn BYTES OF EMERGENCY SPACE ALLOCATED ABOVE 16MEG LINE

Explanation: BMCSORT set aside an amount of virtual storage that is above the 16-megabyte line for other programs (for example, a program invoking the sort, system SVCs, or tape management system). This amount is displayed in the message.

User response: No action is required.

WER415B DSM FACILITY DISABLED

Explanation: BMCSORT’s dynamic storage management feature is not active for this sort execution.

User response: No action is required.

WER416B accessMethod WAS USED FOR ddName: EXCP’S=eee [,UNIT=uuuu] [,DEV=dddd] [,CHP=cccccccc][,VOL=vvvvvv] TOTAL OF xxx EXCP’S ISSUED FOR totalid

Explanation: This message provides summary I/O tuning information for files that BMCSORT processes. BMCSORT uses the first form when using an access method other than EXCP for a file. It uses a generic term for the access method (such as BSAM, HIPERBATCH, and so on) and the file for which it was used. When BMCSORT uses EXCP, the message takes the second form, which has the component parts listed below. Some of these components might not be included in the message, depending on the level of the operating system and the availability of the information within BMCSORT. For certain types of sorts,
BMCSORT might dynamically allocate data sets other than SORTWK data sets for use in the sorting process. This allocation can occur if normal dynamic allocation of SORTWK data sets is enabled or if it is not enabled. When BMCSORT uses such data sets, they are collectively represented in a single WER416B message using the SORTWKnn ddname to report EXCPs issued against them. In the third form of the message, xxx provides a total of the EXCPs issued for SORTWORKS, SORTING, COPYING, or MERGING, as identified by 'totalid.'

The following table describes the variables in this message:

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXCP'S=eee</td>
<td>This variable identifies the number of EXCPs that BMCSORT issued for the file. For input files such as SORTIN, this number is the total EXCPs that BMCSORT issued for all concatenated input sets.</td>
</tr>
<tr>
<td>UNIT=uuuu</td>
<td>This variable identifies the unit type on which the data set resides. For files that can consist of concatenations or multi-volume data sets, the displayed unit type is the first volume of the first data set.</td>
</tr>
<tr>
<td>DEV=dddd</td>
<td>This variable identifies the device name for the first or only device for the file.</td>
</tr>
<tr>
<td>CHP=ccccccc</td>
<td>This variable identifies the channel paths available to the first or only device.</td>
</tr>
<tr>
<td>VOL=vvvvvv</td>
<td>This variable pertains only to DASD devices, and this variable identifies the volume serial number of the first or only volume for the file.</td>
</tr>
</tbody>
</table>

User response: No action is required.

WER417A  UNEQUAL MAINTENANCE LEVELS: xxxxxxxx,yy,zz

Explanation: The maintenance levels of the load module and the BMCSORT root module do not correspond. The following table describes the variables in this message:

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>xxxxxxxx</td>
<td>This variable represents the load module.</td>
</tr>
<tr>
<td>yy</td>
<td>This variable represents the maintenance level of the xxxxxxxx module.</td>
</tr>
</tbody>
</table>
### Variable:

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>zz</td>
<td>This variable represents the maintenance level of the root module.</td>
</tr>
</tbody>
</table>

**User response:** Contact BMC Customer Support.

**WER418I**

**DATASPACE(S) AND/OR xxxxxxxx USED**

**Explanation:** The xxxxxxxx variable can represent either ZSPACE or HIPERSPACE(S). BMCSORT has dynamically chosen to use data space, ZSPACE, or Hiperspace during the execution of the sort.

**User response:** No action is required.

**WER423I**

**DYNAMIC ALLOCATION RETRY - WAITING FOR SPACE**

**Explanation:** BMCSORT used the DYNALOC options to acquire SORTWK space, but the system currently has insufficient disk space. BMCSORT waits for the number of minutes that you specified in the DYNALOC option before retrying the request.

**User response:** No action is required.

**WER424I**

**DYNAMIC ALLOCATION RETRY SUCCESSFUL**

**Explanation:** BMCSORT successfully allocated SORTWK space dynamically after a DYNALOC RETRY attempt. Sort processing continues.

**User response:** No action is required.

**WER426I**

**SORT INTERNAL ERROR - RECOVERY ATTEMPT IN PROGRESS**

**Explanation:** BMCSORT tried to execute again automatically after an internal error occurred. If error recovery is successful, the BMCSORT SYSOUT listing contains a subsequent set of messages that represents the complete information about the execution. A large diagnostic output might separate the subsequent set of messages from the initial set of listings. The new listing contains the message WER427I.

**User response:** No action is required.

**WER427I**

**RECOVERY ATTEMPT IN PROGRESS**

**Explanation:** BMCSORT generates the set of SYSOUT messages that contains the WER427I message from the automatic retry execution. Examine these messages to ensure that the set also contains a WER052I message that indicates that BMCSORT executed successfully. In addition, a successful recovery of BMCSORT completes with a return code of 0. Even if the WER426I and WER427I messages are displayed, you cannot be sure that a successful recovery occurred unless processing returns 0 as the step completion code.

**User response:** No action is required. However, if an execution of BMCSORT does use the recovery facility, whether successfully or not, contact BMC Customer Support to investigate and resolve the underlying error.
WER428I  CALLER-PROVIDED IDENTIFIER IS ‘xxxx’

Explanation: BMCSORT was invoked by another program, and that program used a 31-bit parameter list where the call identifier parameter was specified. The variable xxxx indicates the identifier specified by the calling program.

User response: No action is required.

WER429I  SORT INTERNAL ERROR ON SORTWK nn - RECOVERY ATTEMPT IN PROGRESS

Explanation: An internal error occurred while BMCSORT was processing the SORTWK data set that is indicated by the nn variable in the message. BMCSORT initiated automatic error retry logic to correct this error. If the recovery is successful, processing resumes and BMCSORT issues message WER052I when the sort completes successfully. If BMCSORT does not display the WER052I message, it could not recover.

User response: If an execution of BMCSORT does use this recovery facility, whether successfully or not, contact BMC Customer Support to investigate and resolve the underlying condition.

WER432I  {SORT | MERGE} FORMAT OPERAND IGNORED

Explanation: On either a SORT or MERGE control statement, you specified the format of the keys in the FIELDS parameter and in the FORMAT parameter. BMCSORT ignores the FORMAT parameter and uses the individual format specifications within the FIELD parameter.

User response: No action is required.

WER440A  UNSUPPORTED OPERATING ENVIRONMENT

Explanation: The operating system on which BMCSORT executes must be an IBM operating system such as OS/390 or later.

User response: Contact BMC Customer Support.

WER447B  PHASE 3 VIRTUAL STORAGE REDUCED TO nnn BYTES FOR OPTIMAL PERFORMANCE

Explanation: BMCSORT determined during phase 3 optimization that it should reduce virtual storage to execute more efficiently. The nnn variable represents the amount of virtual storage that BMCSORT used during phase 3. The value in message WER164B for the total bytes that were used indicates the virtual storage that BMCSORT used during earlier phases of the sort execution.

User response: No action is required.

WER493I  ZIP PROCESSOR USED

Explanation: BMCSORT has used IBM’s System z9 Integrated Information Processor (zIIP) for improved performance.

User response: No action is required.
WER494I  {INPUT | OUTPUT} PHASE USED MIDAW

Explanation: This message indicates that BMCSORT has used IBM’s MIDAW I/O technology to optimize the performance of the input and/or output phases.

User response: No action is required.

Messages WER900 through WER999

For the BMCSORT component, this topic explains each message in the designated range.

WER998A  jobName,procName,stepName - UNSUCCESSFUL SORT nnn t

Explanation: An error condition prevented successful sort completion. The meaning of each variable follows:

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>jobName</td>
<td>This variable represents the name from the JOB card.</td>
</tr>
<tr>
<td>procName</td>
<td>This variable represents the procedure step name from the EXEC PROC card.</td>
</tr>
<tr>
<td>stepName</td>
<td>This variable represents the step name from the STEP EXEC card.</td>
</tr>
<tr>
<td>nnn</td>
<td>This variable represents the hexadecimal abend number.</td>
</tr>
<tr>
<td>t</td>
<td>This variable represents either a system abend (S), user abend (U), or BMCSORT internal abend (W).</td>
</tr>
</tbody>
</table>

User response: Note the abend code and contact BMC Customer Support. Providing the system dump or the BMCSORT SNAP dump can help BMC Customer Support to determine the solution more quickly.

WER999A  UNSUCCESSFUL SORT

Explanation: An error condition prevented successful sort completion.

User response: Note the abend code and contact BMC Customer Support. Providing the system dump or the BMCSORT SNAP dump helps BMC Customer Support determine the solution more quickly.