Utility Products for DB2
Messages Manual

Supporting

Version 2.4.00 of BMCDSN Command Processor
Version 2.3.01 of BMCSORT
Version 10.1.00 of CHECK PLUS for DB2
Version 10.1.00 of Database Administration for DB2
Version 10.1.00 of Database Performance for DB2
Version 10.1.00 of LOADPLUS for DB2
Version 10.1.00 of REORG PLUS for DB2
Version 10.1.00 of UNLOAD PLUS for DB2

April 2011
Contacting BMC Software

You can access the BMC Software website at http://www.bmc.com. From this website, you can obtain information about the company, its products, corporate offices, special events, and career opportunities.

United States and Canada

Address  
BMC SOFTWARE INC  
2101 CITYWEST BLVD  
HOUSTON TX 77042-2827 USA

Telephone  
1 713 918 8800  
or  
1 800 841 2031

Fax  
1 713 918 8000

Outside United States and Canada

Telephone  
+01 713 918 8800

Fax  
+01 713 918 8000

© Copyright 2008-2011 BMC Software, Inc.

BMC, BMC Software, and the BMC Software logo are the exclusive properties of BMC Software, Inc., are registered with the U.S. Patent and Trademark Office, and may be registered or pending registration in other countries. All other BMC trademarks, service marks, and logos may be registered or pending registration in the U.S. or in other countries. All other trademarks or registered trademarks are the property of their respective owners.

AIX, CICS, DB2, FlashCopy, Hiperspace, IBM, IMS, MQSeries, OS/390, RACF, RETAIN, System z, System z9, z/Architecture, z/OS, and z9 are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

UNIX is the registered trademark of The Open Group in the US and other countries.

The information included in this documentation is the proprietary and confidential information of BMC Software, Inc., its affiliates, or licensors. Your use of this information is subject to the terms and conditions of the applicable End User License agreement for the product and to the proprietary and restricted rights notices included in the product documentation.

Restricted rights legend

U.S. Government Restricted Rights to Computer Software. UNPUBLISHED—RIGHTS RESERVED UNDER THE COPYRIGHT LAWS OF THE UNITED STATES. Use, duplication, or disclosure of any data and computer software by the U.S. Government is subject to restrictions, as applicable, set forth in FAR Section 52.227-14, DFARS 252.227-7013, DFARS 252.227-7014, DFARS 252.227-7015, and DFARS 252.227-7025, as amended from time to time. Contractor/Manufacturer is BMC SOFTWARE INC, 2101 CITYWEST BLVD, HOUSTON TX 77042-2827, USA. Any contract notices should be sent to this address.
Customer support

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

Support by telephone or e-mail
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.
## Contents

<table>
<thead>
<tr>
<th>Chapter 1</th>
<th>Introduction to Utility products for DB2 messages</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Products covered</td>
<td>..............................................................................................................</td>
<td>9</td>
</tr>
<tr>
<td>Message format</td>
<td>...............................................................................................................</td>
<td>10</td>
</tr>
<tr>
<td>Message identifier</td>
<td>........................................................................................................</td>
<td>10</td>
</tr>
<tr>
<td>Message text</td>
<td>..........................................................................................................</td>
<td>11</td>
</tr>
<tr>
<td>High-speed Apply Engine message information</td>
<td>..............................................................................................</td>
<td>13</td>
</tr>
<tr>
<td>Alternatives for accessing message descriptions</td>
<td>........................................................................................</td>
<td>14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 2</th>
<th>Codes</th>
<th>15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Return codes</td>
<td>....................................................................................................................</td>
<td>15</td>
</tr>
<tr>
<td>Abend codes</td>
<td>....................................................................................................................</td>
<td>16</td>
</tr>
<tr>
<td>General snapshot utility codes</td>
<td>..........................................................................................</td>
<td>23</td>
</tr>
<tr>
<td>Extended prefetch codes</td>
<td>...............................................................................................</td>
<td>31</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 3</th>
<th>Messages BBAPWD00 through BBAPWD99</th>
<th>33</th>
</tr>
</thead>
<tbody>
<tr>
<td>Messages BBAPWD00 through BBAPWD99</td>
<td>................................................................</td>
<td>33</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 4</th>
<th>Messages BMC05500 through BMC05999</th>
<th>39</th>
</tr>
</thead>
<tbody>
<tr>
<td>Messages BMC05500 through BMC05599</td>
<td>................................................................</td>
<td>39</td>
</tr>
<tr>
<td>Messages BMC05600 through BMC05699</td>
<td>................................................................</td>
<td>42</td>
</tr>
<tr>
<td>Messages BMC05700 through BMC05799</td>
<td>................................................................</td>
<td>42</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 5</th>
<th>Messages BMC16600 through BMC16759</th>
<th>47</th>
</tr>
</thead>
<tbody>
<tr>
<td>Messages BMC16600 through BMC16699</td>
<td>................................................................</td>
<td>47</td>
</tr>
<tr>
<td>Messages BMC166700 through BMC16759</td>
<td>................................................................</td>
<td>61</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 6</th>
<th>Messages BMC17200 through BMC17299</th>
<th>69</th>
</tr>
</thead>
<tbody>
<tr>
<td>Messages BMC17200 through BMC17299</td>
<td>................................................................</td>
<td>69</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 7</th>
<th>Messages BMC50000 through BMC50999</th>
<th>81</th>
</tr>
</thead>
<tbody>
<tr>
<td>Messages BMC50000 through BMC50099</td>
<td>................................................................</td>
<td>81</td>
</tr>
<tr>
<td>Messages BMC50100 through BMC50199</td>
<td>................................................................</td>
<td>91</td>
</tr>
<tr>
<td>Messages BMC50200 through BMC50299</td>
<td>................................................................</td>
<td>107</td>
</tr>
<tr>
<td>Messages BMC50300 through BMC50399</td>
<td>................................................................</td>
<td>130</td>
</tr>
<tr>
<td>Messages BMC50400 through BMC50499</td>
<td>................................................................</td>
<td>152</td>
</tr>
<tr>
<td>Messages BMC50500 through BMC50599</td>
<td>................................................................</td>
<td>179</td>
</tr>
<tr>
<td>Chapter</td>
<td>Messages</td>
<td>Page</td>
</tr>
<tr>
<td>---------</td>
<td>-------------------</td>
<td>------</td>
</tr>
<tr>
<td>8</td>
<td>BMC51200 through</td>
<td>219</td>
</tr>
<tr>
<td></td>
<td>BMC51299</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC51300 through</td>
<td>235</td>
</tr>
<tr>
<td></td>
<td>BMC51399</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>BMC51400 through</td>
<td>245</td>
</tr>
<tr>
<td></td>
<td>BMC51499</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC51500 through</td>
<td>270</td>
</tr>
<tr>
<td></td>
<td>BMC51599</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>BMC51600 through</td>
<td>297</td>
</tr>
<tr>
<td></td>
<td>BMC51699</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC51700 through</td>
<td>312</td>
</tr>
<tr>
<td></td>
<td>BMC51799</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC51800 through</td>
<td>318</td>
</tr>
<tr>
<td></td>
<td>BMC51899</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC51900 through</td>
<td>333</td>
</tr>
<tr>
<td></td>
<td>BMC51999</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>BMC52200 through</td>
<td>345</td>
</tr>
<tr>
<td></td>
<td>BMC52299</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC52300 through</td>
<td>350</td>
</tr>
<tr>
<td></td>
<td>BMC52399</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC52400 through</td>
<td>352</td>
</tr>
<tr>
<td></td>
<td>BMC52499</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC52500 through</td>
<td>366</td>
</tr>
<tr>
<td></td>
<td>BMC52599</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC52600 through</td>
<td>378</td>
</tr>
<tr>
<td></td>
<td>BMC52699</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>BMC53000 through</td>
<td>385</td>
</tr>
<tr>
<td></td>
<td>BMC53999</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC53099</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>BMC73000 through</td>
<td>391</td>
</tr>
<tr>
<td></td>
<td>BMC73999</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC73099</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC73100 through</td>
<td>402</td>
</tr>
<tr>
<td></td>
<td>BMC73199</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC73300 through</td>
<td>419</td>
</tr>
<tr>
<td></td>
<td>BMC73399</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC73400 through</td>
<td>431</td>
</tr>
<tr>
<td></td>
<td>BMC73499</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC73500 through</td>
<td>438</td>
</tr>
<tr>
<td></td>
<td>BMC73599</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC73600 through</td>
<td>443</td>
</tr>
<tr>
<td></td>
<td>BMC73699</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC73700 through</td>
<td>447</td>
</tr>
<tr>
<td></td>
<td>BMC73799</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC73800 through</td>
<td>455</td>
</tr>
<tr>
<td></td>
<td>BMC73899</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMC73900 through</td>
<td>464</td>
</tr>
<tr>
<td></td>
<td>BMC73999</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>BMC89000 through</td>
<td>483</td>
</tr>
<tr>
<td></td>
<td>BMC89199</td>
<td></td>
</tr>
<tr>
<td>Chapter</td>
<td>Messages</td>
<td>Page</td>
</tr>
<tr>
<td>---------</td>
<td>----------</td>
<td>------</td>
</tr>
<tr>
<td>15</td>
<td>BMC278000 through BMC278199</td>
<td>495</td>
</tr>
<tr>
<td></td>
<td>BMC278000 through BMC278099</td>
<td>495</td>
</tr>
<tr>
<td></td>
<td>BMC278100 through BMC278199</td>
<td>510</td>
</tr>
<tr>
<td>16</td>
<td>BMC348000 through BMC348099</td>
<td>527</td>
</tr>
<tr>
<td></td>
<td>BMC348000 through BMC348099</td>
<td>527</td>
</tr>
<tr>
<td>17</td>
<td>BMCAPT0000 through BMCAPT0299</td>
<td>537</td>
</tr>
<tr>
<td></td>
<td>BMCAPT0000 through BMCAPT0099</td>
<td>537</td>
</tr>
<tr>
<td></td>
<td>BMCAPT0100 through BMCAPT0199</td>
<td>559</td>
</tr>
<tr>
<td></td>
<td>BMCAPT0200 through BMCAPT0299</td>
<td>581</td>
</tr>
<tr>
<td>18</td>
<td>BMCBMRO1 through BMCBMRAI</td>
<td>599</td>
</tr>
<tr>
<td></td>
<td>BMCBMRO1 through BMCBMRO1</td>
<td>599</td>
</tr>
<tr>
<td></td>
<td>BMCBMRA1 through BMCBMRAI</td>
<td>607</td>
</tr>
<tr>
<td>19</td>
<td>WER001 through WER999</td>
<td>611</td>
</tr>
<tr>
<td></td>
<td>WER001 through WER099</td>
<td>611</td>
</tr>
<tr>
<td></td>
<td>WER100 through WER199</td>
<td>615</td>
</tr>
<tr>
<td></td>
<td>WER200 through WER299</td>
<td>620</td>
</tr>
<tr>
<td></td>
<td>WER300 through WER399</td>
<td>624</td>
</tr>
<tr>
<td></td>
<td>WER400 through WER499</td>
<td>624</td>
</tr>
<tr>
<td></td>
<td>WER900 through WER999</td>
<td>629</td>
</tr>
</tbody>
</table>
Introduction to Utility products for DB2 messages

This chapter provides an overview to help you interpret message information and describes how to obtain message information online.

Products covered

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

<table>
<thead>
<tr>
<th>Product</th>
<th>Version</th>
<th>Message range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Messages that are common to all Utility products</td>
<td>N/A</td>
<td>BMC50000–BMC50999</td>
</tr>
<tr>
<td>BMCDSN</td>
<td>2.4</td>
<td>BMC05500–BMC05999</td>
</tr>
<tr>
<td>BMCSORT</td>
<td>2.3.01</td>
<td>WER001–WER999</td>
</tr>
<tr>
<td>BMC Common Statistics</td>
<td>10.1</td>
<td>BMC16600–BMC16759</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BMC17200–BMC17299</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BMC278000–BMC278199</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BMC348000–BMC348099</td>
</tr>
<tr>
<td>CHECK PLUS</td>
<td>10.1</td>
<td>BMC52000–BMC52999</td>
</tr>
<tr>
<td>High-speed Apply Engine</td>
<td>10.1</td>
<td>BMCAPT0000–BMCAPT0245</td>
</tr>
<tr>
<td>Internet Service Retrieval</td>
<td>N/A</td>
<td>BMCBMR01–BMCBMRAI</td>
</tr>
<tr>
<td>LOADPLUS</td>
<td>10.1</td>
<td>BMCM51400–BMC51599</td>
</tr>
<tr>
<td>Product authorization utility</td>
<td>N/A</td>
<td>BBAPWD00–BBAPWD99</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BMCS89000–BMCS89199</td>
</tr>
<tr>
<td>REORG PLUS</td>
<td>10.1</td>
<td>BMC51200–BMC51399</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BMC53000–BMC53999</td>
</tr>
</tbody>
</table>
**Message format**

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**

**Utility products for DB2 severity indicators**

Message identifiers for these products 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 issued a write-to-operator-with-reply (WTOR) message to the MVS system console, indicating that you must respond for the software to continue.</td>
</tr>
<tr>
<td>E (error)</td>
<td>The software encountered a problem, probably in the specified command or JCL. In most cases, the software terminates in an orderly fashion.</td>
</tr>
<tr>
<td>I (information)</td>
<td>The purpose of the message is to provide information only. No action is required.</td>
</tr>
<tr>
<td>Indicator</td>
<td>Meaning</td>
</tr>
<tr>
<td>---------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>S (severe error)</td>
<td>The software encountered an unexpected error but terminates in an orderly fashion.</td>
</tr>
<tr>
<td>U (unrecoverable error)</td>
<td>The software cannot continue processing (as when an abend occurs).</td>
</tr>
<tr>
<td>W (warning)</td>
<td>The software continues processing, but you need to investigate the reported issue.</td>
</tr>
</tbody>
</table>

**Note**

For CHECK PLUS messages BMC52401 through BMC52599, you can change the severity indicator to any of those listed in the preceding table to result in a different return code. The severity indicators documented with these messages are the default indicators. For details about changing these indicators, see the MSGSEV installation option described in the CHECK PLUS for DB2 Reference Manual.

**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 Utility 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.

## Long object names

The Utility products handle long object names in message text based on the type of message and the product.

If the length of an object or entity name causes a message to exceed 132 bytes, the utility generally wraps the message to the next line and displays the full name.

Certain messages are displayed as reports, with names aligned under report headings. In a report-style message, if an object or entity name is longer than the available space for that name, the utility truncates the name:

- LOADPLUS and REORG PLUS truncate the name in the position specified by the LONGNAMETRUNC option. The message indicates that the name has been truncated by replacing the truncated portion of the name with the appropriate set of angle brackets. For more information about this option, see the reference manual for the utility that you are running.

- CHECK PLUS and UNLOAD PLUS always truncate the name from the end. The message indicates that the name has been truncated by placing a plus sign in the last position of the truncated name.

## Partition numbers

When a message displays one or more partition numbers, these numbers refer to physical partitions unless specified otherwise.
High-speed Apply Engine message information

High-speed Apply Engine 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>
<thead>
<tr>
<th>Table 1: Statement ID by input type and distribution of work</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Distribution type of object</strong></td>
</tr>
<tr>
<td>Input type SQL</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Input type Logical Log</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>■ ORDERVALUE field of the logical log record</td>
</tr>
<tr>
<td>■ row number from the ROWID field</td>
</tr>
<tr>
<td>■ two-character sequence number (valued only when logical log contains DDL objects)</td>
</tr>
<tr>
<td>16-character string containing&lt;sup&gt;a&lt;/sup&gt;</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*.

<sup>a</sup>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.

### Alternatives for accessing message descriptions

You can use any of the following methods to view messages for the Utility 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](http://www.adobe.com).

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

This chapter describes return codes and abend codes that you might receive.

Return codes

The following return codes indicate the completion status of a Utility products for DB2 job:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
</table>
| 0    | With the following exceptions, the utility executed successfully with no warnings or errors. LOADPLUS issues an error message (E) but ends with return code 0 when any of the following conditions occur:  
  - LOADPLUS discards records during the load job.  
  - You specify FORMAT BMCUNLOAD and the input file contains only verification records that do not match any of the tables being loaded. In this case, LOADPLUS does not load any records. |
| 4    | The utility executed successfully but warnings were issued. For example, some of the conditions for which LOADPLUS generates return code 4 are:  
  - when setting COPY pending or CHECK pending  
  - when setting REBUILD pending for a skipped index  
  The utility also generates a return code 4 when processing is incomplete. For example, a pause after a specific phase (such as when you specify ANALYZE PAUSE) causes incomplete execution. |
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
</table>
| 8    | Utility execution failed.  
BMCDSN generates return code 8 when execution fails during a +TERM or +RESET operation.  
Return code 8 can indicate one of several types of errors that are usually identified by a message with a severity code E. The following errors are examples of the type of error that can cause a failure with return code 8:  
- a syntax error in the utility command  
- an error in the JCL  
- an initial object status that does not meet the utility requirements  
- rejection of a copy registration due to a duplicate entry in SYSIBM.SYSCOPY  
- generated identity column values outside the defined range when IDERROR=FAIL |
| 12   | Utility execution failed because it received an error from the system or DB2. These errors include DB2 call attachment facility (CAF) errors, unexpected nonzero SQL codes, and data set open errors. |
| 16   | Utility execution failed. Return code 16 usually indicates one of the following errors:  
- an error loading one of the utility’s modules (for example, when the utility is installed incorrectly)  
- for LOADPLUS, missing verification records when FORMAT BMCUNLOAD is specified  
- insufficient memory to complete sort processing, when sort processing is done in memory |
| other | Utility execution stopped, and you used a command option to override the default return code. |

### Abend codes

The Utility products for DB2 can issue the following abend codes.

**800**

*Explanation:* REORG PLUS can abend or terminate with user abend code 800 if certain internal errors or conditions occur that REORG PLUS does not expect.
You can find the reason code in register 15 of the job log that contains the abend summary.

*User response:* Contact BMC Customer Support and provide the reason code.

### 3100

*Explanation:* The Utility products for DB2 can abend or terminate with user abend code 3100 if certain errors or conditions occur in the DB2 Utilities Common Code (D2U). You can find the reason code in register 15 of the job log that contains the abend summary.

*User response:* Contact BMC Customer Support and provide the reason code.

### 3200

*Explanation:* REORG PLUS can abend or terminate with user abend code 3200 if certain errors or conditions occur that REORG PLUS does not expect. These are usually associated with VSAM data set processing. You can find the reason code in register 15 of the job log that contains the abend summary. The following table lists examples of these unexpected errors or conditions:

<table>
<thead>
<tr>
<th>Reason code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (X'01')</td>
<td>The REORG PLUS SYNC subtask encountered an unrecoverable error. For more information, see accompanying messages.</td>
</tr>
<tr>
<td>3 (X'03')</td>
<td>REORG PLUS reached an end-of-file indication before the last segment of a spanned record. You might have used an incorrect file to restart REORG PLUS. If this is not the case, contact BMC Customer Support.</td>
</tr>
<tr>
<td>4 (X'04')</td>
<td>No sequential I/O buffers are available. Ensure that the REORG PLUS installation options specify the appropriate number of buffers for your data sets. If you specified the appropriate amount, contact BMC Customer Support.</td>
</tr>
<tr>
<td>5 (X'05')</td>
<td>REORG PLUS encountered an unexpected error condition. For more information, see the accompanying message. This reason code usually indicates an error or mismatch in table structure, data, and EDITPROC. Verify table structure and data.</td>
</tr>
<tr>
<td>7 (X'07')</td>
<td>The number of sort work data sets available is fewer than the minimum required for this job. To avoid this abend, specify a value for the SORTNUM option that is greater than 1.</td>
</tr>
<tr>
<td>8 (X'08')</td>
<td>REORG PLUS encountered an unexpected error condition while trying to set or reset a DB2 pending status, such as copy pending (COPY), check pending (CHKP), or recover pending (RECP). Message BMC50498U usually accompanies this abend. Check the system log and DB2MSTR address space for additional error messages that might help determine the cause of the problem. Restart REORG PLUS and allow it to complete.</td>
</tr>
<tr>
<td>Reason code</td>
<td>Description</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td>9 (X'09')</td>
<td>REORG PLUS could not locate the index-key build fragments that it requires. Review the dump produced with this abend code.</td>
</tr>
<tr>
<td>12 (X'0C')</td>
<td>REORG PLUS encountered a nontype 2 index.</td>
</tr>
<tr>
<td>13 (X'0D')</td>
<td>An internal error occurred in the log apply index update process.</td>
</tr>
<tr>
<td>16 (X'10')</td>
<td>There is probably an error in BMCSORT. Check UTPRINT for additional messages.</td>
</tr>
<tr>
<td>100 (X'64')</td>
<td>REORG PLUS detected that utility termination was requested. (The user canceled the job.)</td>
</tr>
<tr>
<td>3940 (X'F64')</td>
<td>While reorganizing a LOB table space, REORG PLUS attempted to establish the recovery exit but the attempt failed.</td>
</tr>
<tr>
<td>3949 (X'F6D')</td>
<td>While reorganizing a LOB table space, REORG PLUS attempted to read a page in a VSAM data set. Either the data set does not exist, or the data set number is higher than the number that REORG PLUS allows.</td>
</tr>
<tr>
<td>3965 (X'F7D')</td>
<td>While reorganizing a LOB table space, REORG PLUS encountered an index page that is marked as a leaf page. However, a non-leaf page points to that page and has a level higher than 2.</td>
</tr>
<tr>
<td>3968 (X'F80')</td>
<td>While reorganizing a LOB table space, REORG PLUS encountered a page that it expected to be the root page.</td>
</tr>
<tr>
<td>3969 (X'F81')</td>
<td>While reorganizing a LOB table space, REORG PLUS encountered a page header that contains an unexpected IPLEVEL value.</td>
</tr>
<tr>
<td>3980 (X'F83')</td>
<td>While reorganizing a LOB table space, REORG PLUS encountered a page header that does not indicate that the page is a leaf page. However, a level-2 page points to that page.</td>
</tr>
<tr>
<td>3983 (X'F86')</td>
<td>While reorganizing a LOB table space, REORG PLUS encountered one of the following conditions on the auxiliary index:</td>
</tr>
<tr>
<td></td>
<td>■ The index is versioned.</td>
</tr>
<tr>
<td></td>
<td>■ It is defined as NOT PADDED.</td>
</tr>
<tr>
<td></td>
<td>■ The length of its key is not 19 bytes.</td>
</tr>
<tr>
<td></td>
<td>■ The RID size is not 5 bytes.</td>
</tr>
<tr>
<td>Reason code</td>
<td>Description</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
| 3987 (X'F8A') | While reorganizing a LOB table space, REORG PLUS encountered a LOB map entry with one of the following problems:  
  - The map entry is marked as not chunked but describes at least one chunk of pages.  
  - The map entry is marked as chunked but maps a number of pages that is not divisible by the chunk size. |
| 3991 (X'F8E') | While reorganizing a LOB table space, REORG PLUS encountered a LOB map that is not an initial map, but it follows a LOB map marked as last. |
| 3992 (X'F8F') | While reorganizing a LOB table space, REORG PLUS encountered one of the following problems:  
  - The auxiliary index points to a page that is not a LOB map.  
  - A page that is not marked as a LOB map follows a LOB map that is not marked as last. |
| 3994 (X'F91') | While reorganizing a LOB table space, REORG PLUS encountered a ROWID in the auxiliary index that does not match the ROWID on the LOB map page. |
| 3996 (X'F93') | While reorganizing a LOB table space, REORG PLUS encountered an auxiliary index that points to a LOB map that is not marked as first. |

**User response:** Use the information in the preceding table to determine whether you can correct the problem. For assistance, or if the reason code is not listed in the preceding table, contact BMC Customer Support and provide the reason code.

**3400**

**Explanation:** LOADPLUS can abend or terminate with user abend code 3400 if certain errors or conditions occur that LOADPLUS does not expect. You can find the reason code in register 15 of the job log that contains the abend summary. The following table lists examples of these unexpected errors or conditions:
<table>
<thead>
<tr>
<th>Reason code</th>
<th>Description</th>
</tr>
</thead>
</table>
| 1 (X'01')   | See accompanying messages. LOADPLUS displays this reason code when you encounter one of the following errors:  
- The LOADPLUS SYNC subtask encountered an unrecoverable error.  
- When running an SQLAPPLY load job, LOADPLUS encountered an out-of-space error on SYSERR, resulting in a D37 abend.  
- LOADPLUS encountered an out-of-space error on an inline copy data set, resulting in a D37 abend.  
**Note:** If you receive this user abend secondary to a D37 abend, you can correct the out-of-space condition and restart or resubmit the job. |
| 3 (X'03')   | LOADPLUS reached an end-of-file indication before the last segment of a spanned record. You might have used an incorrect file to restart LOADPLUS. If this is not the case, contact BMC Customer Support. |
| 4 (X'04')   | No sequential I/O buffers are available. Ensure that the LOADPLUS installation options specify the appropriate amount of buffer space for your data sets. If you specified the appropriate amount, contact BMC Customer Support. |
| 5 (X'05')   | LOADPLUS encountered an unexpected error condition. This reason code usually indicates an error or mismatch in the table structure, data, or EDITPROC. Message BMC50498U or BMC50499U usually accompanies this abend. Verify your table structure and data. |
| 7 (X'07')   | The number of sort work data sets available is fewer than the minimum required for this job. To avoid this abend, specify a value for the SORTNUM option that is greater than 1. |
| 8 (X'08')   | LOADPLUS encountered an unexpected error condition while trying to set or reset a DB2 pending status, such as COPY pending (COPY), CHECK pending (CHKP), or RECOVER pending (RECP). Message BMC50498U usually accompanies this abend. Check the system log and DB2MSTR address space for additional error messages that might help determine the cause of the problem. Restart LOADPLUS and allow it to complete. |
| 16 (X'10')  | There is probably an error in BMCSORT. Check UTPRINT for additional messages. |
| 100 (X'64') | LOADPLUS detected that utility termination was requested. (The user canceled the job.) |

**User response:** Use the information in the preceding table to determine whether you can correct the problem. For assistance, or if the reason code is not listed in
the preceding table, contact BMC Customer Support and provide the reason code.

3600

Explanation: UNLOAD PLUS can abend with user abend code 3600 if certain errors or conditions occur that UNLOAD PLUS does not expect. You can find the reason code in register 15 of the job log that contains the abend summary. The following table lists examples of these unexpected errors or conditions:

<table>
<thead>
<tr>
<th>Reason code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (X'01')</td>
<td>The UNLOAD PLUS SYNC subtask encountered an unrecoverable error. See accompanying messages.</td>
</tr>
<tr>
<td>3 (X'03')</td>
<td>UNLOAD PLUS reached an end-of-file indication before the last segment of a spanned record. You might have used an incorrect file to restart UNLOAD PLUS. If this is not the case, contact BMC Customer Support.</td>
</tr>
<tr>
<td>4 (X'04')</td>
<td>No sequential I/O buffers are available. Ensure that the UNLOAD PLUS installation options specify the appropriate number of buffers for your data sets. If you specified the appropriate number of buffers already, contact BMC Customer Support.</td>
</tr>
<tr>
<td>5 (X'05')</td>
<td>UNLOAD PLUS encountered an unexpected error condition. This reason code usually indicates an error mismatch in one or more of the table structure, data, or EDITPROC. Message BMC50498U or BMC50499U usually accompanies this abend. Verify your table structure and data.</td>
</tr>
<tr>
<td>7 (X'07')</td>
<td>The number of SORTWK data sets available is fewer than the minimum required for this job. To avoid this abend, specify a value for the SORTNUM option that is greater than 1.</td>
</tr>
<tr>
<td>8 (X'08')</td>
<td>UNLOAD PLUS encountered an unexpected error condition while trying to set or reset a DB2 pending status, such as COPY pending (COPY), CHECK pending (CHKP), or RECOVER pending (RECP). Message BMC50498U normally accompanies this abend. Check the system log and DB2MSTR address space for additional error messages that might help determine the cause of the problem. Restart UNLOAD PLUS and allow it to complete.</td>
</tr>
<tr>
<td>16 (X'10')</td>
<td>There is probably an error in BMCSORT. Check UTPRINT for additional messages.</td>
</tr>
<tr>
<td>100 (X'64')</td>
<td>UNLOAD PLUS detected that utility termination was requested. (The user canceled the job.)</td>
</tr>
</tbody>
</table>

User response: Use the information in the preceding table to determine whether you can correct the problem. For assistance, or if the reason code is not listed in the preceding table, contact BMC Customer Support and provide the reason code.
3800

Explanation: CHECK PLUS can abend or terminate with user abend code 3800 if certain errors or conditions occur that CHECK PLUS does not expect. You can find the reason code in register 15 of the job log that contains the abend summary. The following table lists examples of these unexpected errors or conditions:

<table>
<thead>
<tr>
<th>Reason code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (X’01’)</td>
<td>The CHECK PLUS SYNC subtask encountered an unrecoverable error. See accompanying messages.</td>
</tr>
<tr>
<td>3 (X’03’)</td>
<td>CHECK PLUS reached an end-of-file indication before the last segment of a spanned record. You might have used an incorrect file to restart CHECK PLUS. If this is not the case, contact BMC Customer Support.</td>
</tr>
<tr>
<td>4 (X’04’)</td>
<td>No sequential I/O buffers are available. Ensure that the CHECK PLUS installation options specify the appropriate number of buffers for your data sets. If you specified the appropriate number of buffers, contact BMC Customer Support.</td>
</tr>
<tr>
<td>5 (X’05’)</td>
<td>CHECK PLUS encountered an unexpected error condition. This reason code usually indicates an error or mismatch in the table structure, data, or EDITPROC. Message BMC50498U or BMC50499U usually accompanies this abend. Verify your table structure and data.</td>
</tr>
<tr>
<td>7 (X’07’)</td>
<td>The number of SORTWK data sets available is fewer than the minimum required for this job. To avoid this abend, specify a value for the SORTNUM option that is greater than 1.</td>
</tr>
<tr>
<td>8 (X’08’)</td>
<td>CHECK PLUS encountered an unexpected error condition while trying to set or reset a DB2 pending status, such as copy pending (COPY), check pending (CHKP), or recover pending (RECP). Message BMC50498U normally accompanies this abend. Check the system log and DB2MSTR address space for additional error messages that might help determine the cause of the problem. Restart CHECK PLUS and allow it to complete.</td>
</tr>
<tr>
<td>16 (X’10’)</td>
<td>There is probably an error in BMCSORT. Check UTPRINT for additional messages.</td>
</tr>
<tr>
<td>100 (X’64’)</td>
<td>CHECK PLUS detected that utility termination was requested. (The user canceled the job.)</td>
</tr>
</tbody>
</table>

User response: Use the information in the preceding table to determine whether you can correct the problem. For assistance, or if the reason code is not listed in the preceding table, contact BMC Customer Support and provide the reason code.

3900

Explanation: The Utility products for DB2 can abend or terminate with user abend code 3900 if certain errors or conditions occur in the I/O subsystem that
the utility does not expect. You can find the reason code in register 15 of the job log that contains the abend summary.

If you receive one of the following reason codes, the abend might be secondary to an x37 abend, indicating an out-of-space condition:

- 352 (X'160')
- 464 (X'1D0')
- 532 (X'214')
- 536 (X'218')

*User response:* Check any additional messages that the utility issues to determine the cause of the problem. If you receive a reason code that indicates that the abend is secondary to an x37 abend, correct the out-of-space condition and restart or resubmit the job. If you are unable to resolve the problem, contact BMC Customer Support and provide the abend reason code.

## General snapshot utility codes

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

Table 2 on page 23 lists the codes.

### Table 2: 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>Unrecognized component</td>
<td></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>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>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>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>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>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>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>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>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>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>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>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>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 an 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>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>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>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>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>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>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>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>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>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>
<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>
</tbody>
</table>
Extended prefetch codes

XBM generates return and reason codes for extended prefetch operations.

Table 3 on page 31 lists these prefetch codes.

<table>
<thead>
<tr>
<th>Return code</th>
<th>Reason code</th>
<th>Description and user response</th>
</tr>
</thead>
<tbody>
<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>

### Table 3: Extended prefetch codes

<table>
<thead>
<tr>
<th>Return code</th>
<th>Reason code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>4</td>
<td>Unable to allocate prefetch work area. Contact BMC Customer Support.</td>
</tr>
<tr>
<td>12</td>
<td>12</td>
<td>XBM was unable to open the data set. Look in the XBM job log for VSAM message IEC161I. Take action as indicated by the message.</td>
</tr>
<tr>
<td>12</td>
<td>32</td>
<td>Data set is not allocated in cylinders. Reallocate the data set in cylinders and retry the operation.</td>
</tr>
<tr>
<td>12</td>
<td>36</td>
<td>Unable to allocate prefetch buffers. Increase the region size for the job that is accessing the data set.</td>
</tr>
<tr>
<td>12</td>
<td>64</td>
<td>XBM internal error. Contact BMC Customer Support.</td>
</tr>
</tbody>
</table>
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.

BBAPWD01

_productID_ BMC DATABASE IS BROKEN, CALL BMC SOFTWARE FOR TECHNICAL SUPPORT RC = nnnn

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.

User response: Contact BMC Customer Support.

BBAPWD02

_productID_ UNABLE TO FIND PASSWORD FOR THIS PRODUCT, INSTALL PASSWORD FOR PRODUCT

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:

- The library where the password was installed is not available to the product.
- The password member has been deleted.

The product will not run.

User response: Install the product password or contact BMC Customer Support.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Explanation</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BBAPWD03</td>
<td><strong>productID</strong> PASSWORD LOGIC ERROR, CALL BMC SOFTWARE FOR TECHNICAL SUPPORT RC = nnnn</td>
<td>An internal error occurred in password processing. The product will not run.</td>
<td>Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BBAPWD04</td>
<td><strong>productID</strong> I/O PROBLEM READING BMC DATABASE, CALL BMC SOFTWARE FOR TECHNICAL SUPPORT RC = nnnn</td>
<td>The specified product received an I/O error while reading the password database. The product will not run.</td>
<td>Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BBAPWD06</td>
<td><strong>productID</strong> BMC PASSWORD NOT FOUND IN DDNAME ddname NOR WAS IT FOUND IN STEPLIB...LINKLIST</td>
<td>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.</td>
<td>Install the password in a library that is available to the product.</td>
</tr>
<tr>
<td>BBAPWD07</td>
<td><strong>productID</strong> YOUR LICENSE TO EXECUTE THIS PRODUCT WILL EXPIRE IN nn DAYS</td>
<td>The specified product has a permanent license that will expire in the specified number of days. The product will continue to run.</td>
<td>Contact your BMC sales representative.</td>
</tr>
<tr>
<td>BBAPWD08</td>
<td><strong>productID</strong> YOUR GRACE PERIOD TO EXECUTE THIS PRODUCT WILL EXPIRE IN nn DAYS</td>
<td>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.</td>
<td>Contact BMC to reset your grace period.</td>
</tr>
<tr>
<td>BBAPWD09</td>
<td><strong>productID</strong> THE PRODUCT TRIAL FOR THIS PRODUCT WILL EXPIRE IN nn DAYS</td>
<td>The trial period for the specified product will expire in the specified number of days. The product will continue to run.</td>
<td>Contact your BMC sales representative.</td>
</tr>
</tbody>
</table>
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 BMC05500 through BMC05999

This group includes messages for the BMCDSN Command Processor product.

Messages BMC05500 through BMC05599

For the BMCDSN Command Processor product, this topic explains each message in the designated range.

**BMC05501I**

**BMC utilities installed using the following tables:**

*Explanation:* This message is the initialization header for the required tables (BMCUTIL, BMCHIST, and BMCSYNC tables).

*User response:* No action is required.

**BMC05508E**

**No installation of BMC utilities found**

*Explanation:* No installation information was found for any BMC DB2 utility.

*User response:* Check the STEPLIB DD card or the system link list for a valid BMC product load library. Check the product load library for a valid options module and ensure that the plan name is correct. Make sure that the products' synonyms point to valid DB2 tables.

**BMC05509E**

**Not authorized to terminate utilid='utilityID'**

*Explanation:* You do not have the required authorization to terminate the requested BMC utility.

*User response:* To issue the +TERM command, you must have one of the following authorizations: INSTALL SYSADM, SYSADM, SYSCTRL, SYSOPR with DELETE privileges on the BMCUTIL table, or the ID of the user (also with DELETE on the BMCUTIL table) who originally submitted the job. Contact your system administrator to obtain the necessary authorization.

If you have a user ID equal to the system installation parameter SYSADM2, SYSOPR1, or SYSOPR2, or you are using a secondary authorization ID, and you
did not receive message BMC05521I, ensure that the following requirements are met:

- ABUDSN must be in the AUTHCMD list of SYS1.PARMLIB.
- The libraries in the chain must be APF authorized.
  Any non-APF-authorized libraries in the chain will cause BMCDSN to drop APF-authorization. ISPLLIB is not searched.

If you did receive message BMC05521I, check the DB2 authorizations.

See the BMCDSN Command Processor Reference Manual to determine required DB2 authorizations or the specific requirements for each type of authorization ID.

**BMC05511I utility Options member prd$OPTS not found**

*Explanation:* BMCDSN determines which BMC utilities are installed before searching the DB2 catalog for the BMC table names. The options were not found in the BMCUTLIB DD data sets or in your system's TASKLIB, STEPLIB, or LINKLIST allocations. This message is issued if the utility identified was not installed.

*User response:* Ensure that the utility that you expect to control was installed correctly. Also ensure that the identified utility options module is accessible from the BMCUTLIB, STEPLIB, or LINKLIST.

**BMC05512I utility Options member prd$OPTS found in the BMCUTLIB DD data sets**

*Explanation:* BMCDSN determines which BMC utilities are installed before searching the DB2 catalog for the BMC table names. The options were found in the BMCUTLIB DD data sets.

*User response:* No action is required.

**BMC05513I utility Options member prd$OPTS found in the TASKLIB/STEPLIB/LINKLIST**

*Explanation:* BMCDSN determines which BMC utilities are installed before searching the DB2 catalog for the BMC table names. The options were not found in the BMCUTLIB DD data sets, but were found in your system's TASKLIB, STEPLIB, or LINKLIST allocations.

*User response:* No action is required.

**BMC05514I Product table names found in module module**

*Explanation:* BMCDSN is using the BMC table names found in the indicated options module rather than searching the DB2 catalog for the BMC table names. For more information, see the BMCDSN Command Processor Reference Manual.

*User response:* No action is required.
**BMC05515I** utility 'tableNames'

Explanation: This message displays the table names associated with the utility.
User response: If these names are not correct, perform the following checks:

- Check the BMCDSN options module to make sure that the names were correctly specified.
  
  For more information about the BMCDSN installation options, see the BMCDSN Command Processor Reference Manual.

- Check the STEPLIB or LINKLIST concatenation to make sure that the correct version of the product options module is specified.

**BMC05516I** utility Table names not found

Explanation: No table names were found for the utility indicated in the message. Commands have no effect on the utility.
User response: Verify that the STEPLIB load libraries contain a current level of the products. In addition, verify that the options module is current.

**BMC05517I** Begin table search

Explanation: BMCDSN is searching the DB2 catalog for the correct BMCUTIL table, and optionally for the correct BMCHIST and BMCSYNC tables.
User response: No action is required.

**BMC05518I** Table name search complete

Explanation: BMCDSN has completed searching the DB2 catalog for the correct BMCUTIL table, and optionally for the correct BMCHIST and BMCSYNC tables.
User response: No action is required.

**BMC05521I** BMCDSN is running APF authorized

Explanation: All of the following requirements were met:

- ABUDSN is in the AUTHCMD list of SYS1.PARMLIB.

- All libraries in the chain are APF-authorized. (ISPLLIB is not searched.)

- BMCDSN was installed in an APF-authorized library.

User response: No action is required.
Messages BMC05600 through BMC05699

For the BMCDSN Command Processor product, this topic explains each message in the designated range.

**BMC05600S**

**Could not load module 'module'**

*Explanation:* The indicated module could not be loaded.

*User response:* Verify that the STEPLIB load library concatenation is correct. Add any load library required.

**BMC05601S**

**Memory allocation error**

*Explanation:* Unable to allocate memory required for the command processor.

*User response:* For a started task, increase the REGION parameter. If you are using TSO, log on with a larger region.

**BMC05602S**

**PUTGET failed**

*Explanation:* A critical error occurred in the command processor's PUTGET function.

*User response:* Contact BMC Customer Support for assistance.

Messages BMC05700 through BMC05799

For the BMCDSN Command Processor product, this topic explains each message in the designated range.

**BMC05700E**

**The verb is not a valid BMCDSN command**

*Explanation:* The plus (+) prefix was used for a verb that is not recognized as a BMCDSN command.

*User response:* Either use a valid BMCDSN command or use the correct prefix (for example, a hyphen (-) for a DSN command or no prefix for an attempted ATTACH of the indicated module name).

**BMC05701E**

**Invalid command**

*Explanation:* This message indicates that the attempted ATTACH failed or that the command was not a valid BMCDSN or DSN command.

*User response:* Verify that the spelling of the command is correct. Ensure that the command is prefixed properly.
BMC05702I   Exiting BMCDSN command processor
   Explanation: The BMCDSN command processor is terminating.
   User response: No action is required.

BMC05703I   Command 'command' not found
   Explanation: You attempted to attach a command through BMCDSN that could
               not be found. The command is not a BMCDSN command or a DSN command.
   User response: Ensure that the command was specified correctly. Also, ensure
               that the command is available through your STEPLIB allocation.

BMC05732I   >>>> Display utility command starting
   Explanation: This message indicates the start of the display of utilities.
   User response: No action is required.

BMC05733I   <<< Display utility command complete
   Explanation: This message indicates the end of the display of utilities.
   User response: No action is required.

BMC05734I   >>>> Display history command starting
   Explanation: This message indicates the start of the display of history for the
               utilities.
   User response: No action is required.

BMC05735I   <<< Display history command complete
   Explanation: This message indicates the end of the display of history for the
               utilities.
   User response: No action is required.

BMC05751I   utility utility 'utilityID' requested to terminate
   Explanation: The indicated utility ID was deleted from the BMCUTIL table.
               This utility ID is either active, initializing, or executing and might not terminate
               immediately.
   User response: No action is required.

BMC05752I   utility utility 'utilityID' terminated (in phase 'phase')
   Explanation: The indicated utility ID was deleted from the BMCUTIL table,
               terminating the utility.
   User response: No action is required.
**BMC05753E**  
*No utilities terminated for utilid='utilityID'*

*Explanation:* The utility ID or utility ID mask specified to be terminated was not found in the BMCUTIL table. Message BMC05509E might accompany this message.

*User response:* Verify that you spelled the utility ID correctly. You can use the +DIS UTIL(*) command to obtain a list of all utility IDs.

**BMC05761I**  
*utility utility (UTILID='utilityID') status changed to stopped*

*Explanation:* The status of the indicated utility ID has been changed to STOPPED in the BMCUTIL table.

*User response:* No action is required.

**BMC05762E**  
*No BMC utility matching specified criteria, criteria*

*Explanation:* No entry in the BMCUTIL table has the criteria specified in your command statement. The message severity code is reported as defined in the BMCDSN installation options module. Return code 12 accompanies this message.

*User response:* Verify that you spelled everything in the command statement correctly and that you specified the correct object. You can use the +DIS UTIL(*) command to obtain a list of all utility IDs.

**BMC05777E**  
*History table does not exist for installed utilities*

*Explanation:* BMCDSN could not find the BMCHIST table.

*User response:* Perform the following checks:

- Ensure that the utility has a BMCHIST table.
- Verify that the STEPLIB load libraries contain a current level of the products.
- Verify that the options module is current.

**BMC05791I**  
*BMCDSN command processor 'versionNumber'*

*Explanation:* This message is displayed each time you invoke the command processor.

*User response:* No action is required.

**BMC05794E**  
*Unable to find subsequent table*

*Explanation:* During initialization, a required table (BMCUTIL, BMCHIST, or BMCSYNC table) was not found. Installation of the utility may be invalid.

*User response:* Verify that the STEPLIB load libraries contain a current level of the products. In addition, verify that the options module is current.
BMC05795i  Only the 'SET' and 'END' commands will be processed. All other commands will be ignored.

Explanation: This is a BMCDSN initialization error message, usually due to a failed connection during processing of a SET command.

User response: You can correct the initialization problem and reissue another SET command, or exit BMCDSN by issuing the END command.
Messages BMC16600 through BMC16759

For the DASD MANAGER PLUS for DB2 product, this topic explains each message in the designated range.

Messages BMC16600 through BMC16699

For the DASD MANAGER PLUS for DB2 product, this topic explains each message in the designated range.

BMC16600  ***** D A S D M A N A G E R F O R D B 2 *****
Explanation:  This message is a BMC Software utility report message.
User response:  No action is required.

BMC16601  objectType IS objectName
Explanation:  This message is a BMC Software utility report message. The object type is table space or index. The object name is databaseName.tableSpaceName or indexOwner.indexName.
User response:  No action is required.

BMC16602W  HISTOGRAM STATISTICS WERE BYPASSED ON INDEX indexName DUE TO INDEX COLUMN ORDERING MISMATCH
Explanation:  BMCSTATS encountered index columns that were not in either ascending or all descending order. Consequently, BMCSTATS did not collect histogram statistics for this index.
User response:  To obtain histogram statistics, specify a COLGROUP that contains the index columns, and specify the HISTOGRAM keyword.

BMC16603  COLUMN STATISTICS FOR TABLE tableOwner.tableName
Explanation:  This message is a BMC Software utility report message.
User response:  No action is required.
BMC16604  INDEXES = value IMAGCOPY= value GROUPSIZE=value
Explanation:  This message is a BMC Software utility report message.
User response:  No action is required.

BMC16605W  BMCTRIG EVALUATION WAS BYPASSED ON objectType
            objectOwner.objectName DUE TO AN UNSUPPORTED objectType TYPE.
            REASON: reason
Explanation:  BMCTRIG could not evaluate the specified object due to the
specified unsupported object type. In this release of the product, BMCTRIG
does not support the specified object type.
User response:  No action is required.

BMC16606E  NOT COMPATIBLE WITH DB2 VDB2VersionNumber - EXECUTION
            TERMINATED
Explanation:  The specified DB2 version is not compatible with BMCSTATS.
This version of BMCSTATS cannot run with DB2 version 5 or earlier.
User response:  Run BMCSTATS on a subsystem that is using DB2 version 6 or
later.

BMC16607W  OBJECTSET objectSetName CONTAINED NO QUALIFIED objectType
Explanation:  BMCSTATS encountered an empty object set after name
resolution.
User response:  No action is required.

BMC16608W  STATISTICS WERE BYPASSED ON objectType objectOwner.objectName
            DUE TO AN UNSUPPORTED objectType TYPE. REASON: reason
Explanation:  BMCSTATS encountered an unsupported object or data type and
did not collect statistics on the object. This error occurs if one of the following
conditions exists:

- BMCSTATS encounters a large object (LOB) table space.
- The object is either a cloned table or a table that uses Unicode (in the table
  name or in a column).
- BMCSTATS encounters an object with a name that it could not translate to
  EBCDIC.
- The index has a Unicode name, has a related table that is a clone, or contains
  keys with random ordering.
- BMCSTATS encountered an object that has a recover-pending status (RECP
  or RBDP).
BMCSTATS does not include an entry in the BMCSTATS table for the index, table, or table space, and does not generate a report.

User response: To collect statistics on the following objects, run RUNSTATS:

- LOB
- random indexes
- objects with Unicode names

To collect statistics on objects with pending status, correct the pending status and retry BMCSTATS.

**BMC16609**

ALTHDD = text

Explanation: This message is a BMC Software utility report message.
User response: No action is required.

**BMC16610**

CARD = value SPACE = value REORSPAC= value

Explanation: This message is a BMC Software utility report message.
User response: No action is required.

**BMC16611**

EXTENTS = value

Explanation: This message is a BMC Software utility report message.
User response: No action is required.

**BMC16612**

FARIND = value TOTALIND= value ROWS/KEY= value

Explanation: This message is a BMC Software utility report message.
User response: No action is required.

**BMC16613**

FAROFF = value TOTALOFF= value LEAFDIST= value

Explanation: This message is a BMC Software utility report message.
User response: No action is required.

**BMC16614**

LEVELS value LEVELINCR= value LEVELMIN= value

Explanation: This message is a BMC Software utility report message.
User response: No action is required.

**BMC16615**

SAVE, REPORT AND UPDATE DB2 ARE ALL NO

Explanation: BMCSTATS will run but will not generate any output.
User response: Change one or both of the parameters to Y.
BMC16616  NO TRIGGERS FOR VOLUMES OR STOGROUPS
Explanation:  BMCTRIG cannot trigger on volumes or storage groups.
User response:  Enter a valid object type.

BMC16618  TABLE tableOwner.tableName NOT FOUND
Explanation:  The table indicated does not exist in the table space.
User response:  Ensure that the table name is correct.

BMC16619  COLUMN column NOT FOUND IN TABLE tableOwner.tableName
Explanation:  The column indicated does not exist in the table.
User response:  Ensure that the column name is correct.

BMC16620  DATAPACKER/DB2 LOAD ROUTINE FAILURE
Explanation:  DASD MANAGER cannot load the DATA PACKER/DB2 routine.
User response:  Contact the database administrator or whoever is in charge of the
EDITPROC routines for the particular database.

BMC16621  CANNOT LOAD EDITPROC editProcedure IN TABLE tableOwner.tableName
Explanation:  The EDITPROC routine editproc for the indicated table cannot be found.
User response:  Contact the database administrator or whoever is in charge of the
EDITPROC routines for the particular database.

BMC16622  CANNOT LOAD DATAPACKER/DB2 LOAD ROUTINE
Explanation:  The DATA PACKER/DB2 LOAD routine cannot be found.
User response:  Contact your systems programming staff.

BMC16623  EDITPROC editProcedure WILL BE CALLED FOR TABLE tableOwner.tableName
Explanation:  This message is informational.
User response:  No action is required.

BMC16624  PAGEGROUP AND SAMPLE ARE INCOMPATIBLE, SAMPLE WILL BE IGNORED
Explanation:  You have specified both the PAGEGROUP and SAMPLE options. Because these options are mutually exclusive, DASD MANAGER will ignore the SAMPLE option and continue processing as if you had specified only the PAGEGROUP option.
User response:  No action is required.

BMC16625  OBJECT WILL NOT BE RESIZED DUE TO ERROR: objectName
Explanation:  The object named will be omitted from the trigger-generated worklist because of a previous error. This message is primarily informational
and is intended to show the object name being considered for a RESIZE operation at the time another error has occurred.

User response: Review the previously displayed error message, correct the situation and retry.

**BMC16626**  
DB2 UPDATE AND INDEX SAMPLING ARE INCOMPATIBLE RC=04

Explanation: You have specified both the option to update the DB2 statistics (UPDATEDB2STATS) and an option to perform index sampling. Because these options are mutually exclusive, DASD MANAGER PLUS suppresses index sampling and continues processing.

User response: No response is required.

**BMC16627**  
** NO UTIL GEN ON TS databaseName.tableSpaceName (0 CARD) **

Explanation: The table space indicated is empty. Therefore, utility generation does not process it.

User response: No action is required.

**BMC16628**  
** NO UTIL GEN ON TP databaseName.tableSpaceName PART partitionNumber (0 CARD) **

Explanation: The specified table space partition is empty. Therefore, utility generation does not process it.

User response: No action is required.

**BMC16629**  
>>>>>>>>> NO EXCEPTIONS DETECTED <<<<<<<<<<<

Explanation: None of the specified objects meet any of the trigger criteria.

User response: Investigate current BMCSTATS values. Change BMCTRIG parameters, if needed.

**BMC16630**  
DASD MANAGER FOR DB2 WILDCARD CHECK ON JOB job

Explanation: A wild-card check is in progress on the specified job.

User response: No action is required.

**BMC16631**  
STEP FUNCTION OBJECT STATUS

Explanation: This message is the header for the Wild Card Check report.

User response: No action is required.

**BMC16632**  
nnnn nnnnnnnnn nnnnnnnnnnnnnnnnnnnnnnnn NEW EXPANSION

Explanation: An object was found in the DB2 catalog that was not found in the worklist. Therefore, the object was added to the catalog after the worklist was created.

User response: Regenerate the worklist.
**BMC16633**  
**nnnn nnnnnnn nnnnnnnnnnnnnnnnnnnnnnnnn NOT FOUND**  
*Explanation*: An object was found in the worklist that was not found in the DB2 catalog. Therefore, the object was deleted from the catalog after the worklist was created.  
*User response*: No action is required.

**BMC16634**  
**JOB NOT FOUND**  
*Explanation*: The job does not exist in the Job Utility table.  
*User response*: Correct the jobname and try again, or add the job to the DASD MANAGER database.

**BMC16635**  
**WORKLIST worklist NOT FOUND**  
*Explanation*: The worklist indicated is not found.  
*User response*: Correct the statement name to a valid worklist.

**BMC16636**  
**IDENTICAL WILDCARD EXPANSION**  
*Explanation*: No discrepancies exist between the wildcard expansion and the database. None of the expansion objects were added or deleted from the database after the worklist was created.  
*User response*: No action is required.

**BMC16637E**  
**IX EVALUATION SKIPPED FOR IX indexOwner.indexName (0 FULLKEYCARD) **  
*Explanation*: The specified index is excluded by the BMCTRIG Exclude Empty option because it contains no keys.  
*User response*: No response is required.

**BMC16638I**  
**NO UTIL GEN ON TP databaseName.tableSpaceName PART partitionNumber (SPACELOLIM) **  
*Explanation*: The specified table space partition is excluded by the BMCTRIG TS Space Low option. Therefore, utility generation does not process it.  
*User response*: No action is required.

**BMC16639I**  
**NO UTIL GEN ON TP databaseName.tableSpaceName PART partitionNumber (SPACEUPLIM) **  
*Explanation*: The specified table space partition was excluded by the BMCTRIG TS Space Hi option. Therefore, utility generation does not process it.  
*User response*: No action is required.

**BMC16640**  
**GETMAIN FAILED**  
*Explanation*: The execution program cannot initialize.  
*User response*: Provide a larger region for the job.
BMC16641  SQLCODE = nnnn IN CSECT csectName ON STATEMENT statement  
Explanation: An error occurred for this SQL in this CSECT.  
User response: Contact BMC Customer Support.

BMC16642  SQLCODE = nnnn IN CSECT csectName ON MSGID messageID  
Explanation: An error occurred for this SQL in this CSECT on this message ID.  
User response: Contact BMC Customer Support.

BMC16643  NO QUALIFIED TABLESPACE FOUND  
Explanation: No match for the table space name is found in the DB2 catalog.  
User response: Type the correctly qualified table space name.

BMC16644  NO QUALIFIED INDEX FOUND  
Explanation: No match for the index name is found in the DB2 catalog.  
User response: Type the correctly qualified index name.

BMC16645I NO IMAGE COPY FOR TABLESPACE DSNUM nnnn  
Explanation: No image copy is found in the DB2 catalog.  
User response: Correct the image copy parameter.

BMC16646E STOGROUP storageGroup NOT FOUND  
Explanation: The specified STOGROUP is not found in the DB2 catalog.  
User response: Correct the STOGROUP parameter.

BMC16647E INDEX indexOwner.indexName NOT FOUND  
Explanation: The specified index is not found in the DB2 catalog.  
User response: Correct the index name.

BMC16648E TABLESPACE databaseName.tableSpaceName NOT FOUND  
Explanation: The specified table space is not found in the DB2 catalog.  
User response: Correct the table space name.

BMC16649E INDEX indexOwner.indexName NOT FOUND  
Explanation: The specified index is not found in the DB2 catalog.  
User response: Correct the index name.

BMC16650E OBJECTSET objectSetName NOT FOUND  
Explanation: The specified object set does not exist.  
User response: Correct the input to specify an object set that exists or create the object set.
BMC16651E  OPEN ERROR--CHECK IEC161 MESSAGE
Explanation: A standard MVS open for a DB2 object failed.
User response: Investigate the return code and reason code in the IBM DB2 messages and codes documentation and take corrective action.

BMC16652E  DYNAMIC ALLOCATION ERROR, RC = returnCode RS = reason
Explanation: A dynamic allocation error has occurred. This error may also be issued if you are using stacked image copies as input for BMCSTATS. In this case, if RS=0544, a possible cause is that tasks are greater than 1, and two data sets are on the same tape volume.
User response: If RC=0544, set tasks equal to 1. Otherwise, investigate the return code and take corrective action.

BMC16653  CATALOG REQUEST ERROR, RC = returnCode IN CSECT csectName
Explanation: A catalog request error has occurred in the specified CSECT.
User response: Investigate the return code and take corrective action. Call BMC Customer Support if you need further assistance.

BMC16654  ON dataSetPrefix.dataSetName
Explanation: This message shows the data set name involved in messages BMC16651-3 and BMC16657-8.
User response: No action is required.

BMC16655  I/O ERROR, RC = returnCode RS = reason
Explanation: An I/O error has occurred.
User response: Investigate the return code and take corrective action. Call BMC Customer Support if you need further assistance.

BMC16656  VOLUME NOT FOUND
Explanation: The volume (or wildcard pattern for a volume) that you specified is not found.
User response: Specify a different volume (or wildcard pattern).

BMC16657  VOLUME INFORMATION NOT AVAILABLE FROM ICF CATALOG
Explanation: No volume information such as device type, blocks, or tracks is available. This message is followed by BMC16654, which provides the dsname.
User response: Remove the specified object type from the worklist, generated JCL, or both.

BMC16658  BLOCKS/TRACK INCONSISTENT WITH HIGH ALLOCATED RBA
Explanation: The high allocated RBA is not an even multiple of the blocks per track. This message is followed by BMC16654, which provides the dsname.
User response: Correct the ICF catalog entry for the specified DB2 object.
BMC16659  **LZ-COMPRS ERROR, FUNCTION = EXPAND RC = returnCode RS = reason**  

**Explanation:** An error has occurred during the expansion of a compressed row. The return code is 12. The reason codes are as follows:

<table>
<thead>
<tr>
<th>Reason code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Invalid request</td>
</tr>
<tr>
<td>2</td>
<td>Storage not available for processing</td>
</tr>
<tr>
<td>3</td>
<td>BLDL for DSNIDM module failed</td>
</tr>
<tr>
<td>4</td>
<td>Load for DSNIDM module failed</td>
</tr>
<tr>
<td>5</td>
<td>Token already exists</td>
</tr>
<tr>
<td>6</td>
<td>Token invalid</td>
</tr>
<tr>
<td>7</td>
<td>Delete for module DSNIDM failed</td>
</tr>
<tr>
<td>8</td>
<td>Storage not available for DSNIDM</td>
</tr>
<tr>
<td>9</td>
<td>DB2 entry address not found</td>
</tr>
<tr>
<td>10</td>
<td>DB2 emulation returned a nonzero RC</td>
</tr>
<tr>
<td>11</td>
<td>Caller not APF authorized</td>
</tr>
<tr>
<td>12</td>
<td>Invalid dictionary size</td>
</tr>
<tr>
<td>13</td>
<td>Dictionary failed integrity check</td>
</tr>
<tr>
<td>14</td>
<td>Dictionary failed sequence check</td>
</tr>
<tr>
<td>15</td>
<td>Dictionary validity check failed</td>
</tr>
<tr>
<td>16</td>
<td>Storage not available for dictionary</td>
</tr>
<tr>
<td>17</td>
<td>Storage key invalid - must be 1 through 8</td>
</tr>
</tbody>
</table>

**User response:** Investigate the return code and take corrective action. Call BMC Customer Support if further assistance is required.

BMC16661  **PARTS = value TABLES = value SEGSIZE=value**  

**Explanation:** This message is a BMC Software utility report message.  

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

BMC16661E  **ddname DDNAME errorType ERROR, RC=returnCode RS=reason**  

**Explanation:** The specified JCL ddname listed encountered an error, possibly in SYSIN, during the operating system service that errorType indicates. The operating system service returned the specified return code for the specified reason.  

**User response:** Verify that you entered the ddname specification information correctly, as discussed in the *DASD MANAGER PLUS for DB2 Reference Manual*. 

Chapter 5  Messages BMC16600 through BMC16759   55
If you entered the ddname specification information correctly, contact BMC Customer Support.

**BMC16662**

**NACTIVE = value SPACE = value REORSPAC= value**

*Explanation:* This message is a BMC Software utility report message.

*User response:* No action is required.

**BMC16662E**

**ddname DDNAME ONLY SUPPORTS A RECFM OF recordFormat**

*Explanation:* The specified JCL ddname encountered an error with the record format that you specified for this ddname. This message lists the supported record formats.

*User response:* Verify that you entered the ddname specification information correctly, as discussed in the *DASD MANAGER PLUS for DB2 Reference Manual*. If you entered the ddname specification information correctly, contact BMC Customer Support.

**BMC16663**

**PART NACTIVE CARD FARIND NEARIND FULL DIRTY PACT PDRP ROWAVG PPG PRC PSAV SPACE REORSPAC EXTS**

*Explanation:* This BMC Software utility report message contains the header for information shown in message BMC16664.

*User response:* No action is required.

**BMC16663E**

**ddname DDNAME with RECFM=recordFormat REQUIRES A MINIMUM LRECL OF minimumLRECL**

*Explanation:* The specified JCL ddname encountered an error because the ddname requires a minimum logical record length of minimumLRECL.

*User response:* Verify that you entered the ddname specification information correctly, as discussed in the *DASD MANAGER PLUS for DB2 Reference Manual*. If you entered the ddname specification information correctly, contact BMC Customer Support.

**BMC16664**

*Explanation:* This message displays the values for message BMC16663.

*User response:* No action is required.

**BMC16665**

**FIRSTKEY= value FULLKEY = value NLEAF = value**

*Explanation:* This message is a BMC Software utility report message.

*User response:* No action is required.

**BMC16666**

**LEVELS = value LEVELMIN= valuePCTCLUST = value**

*Explanation:* This message is a BMC Software utility report message.

*User response:* No action is required.
**BMC16667**

**PART  NACTIVE CARD LEAFDIST FAROFF NEAROFF CR FIRSTKEY FULLKEY LVL NLEAF SPACE REORSPAC EXTS**

*Explanation:* This BMC Software utility report message contains the header for information shown in message BMC16668.

*User response:* No action is required.

**BMC16668**

*Explanation:* This BMC Software utility report message displays the values for message BMC16667.

*User response:* No action is required.

**BMC16669**

**CREATOR  TABLE NAME INDREF ROWAVG PCTPAGES**

*Explanation:* This BMC Software utility report message contains the header for information shown in message BMC16669.

*User response:* No action is required.

**BMC16670**

*Explanation:* This BMC Software utility report message displays the values for message BMC16669.

*User response:* No action is required.

**BMC16671I**

**EXCEPTION QUALIFIER OBJECT PART TYPE CURRENT COMPARE TRIGGER ACTION TAKEN**

*Explanation:* This message is a BMC Software utility report message header.

*User response:* No action is required.

**BMC16672I**

*Explanation:* This message displays data for the utility report header in message BMC16671.

*User response:* No action is required.

**BMC16673I**

*Explanation:* This message displays more data for the utility report header in message BMC16671.

*User response:* No action is required.

**BMC16674I**

**DB2  VversionNumber (versionNumber)**

*Explanation:* This is an informational message that BMCSTATS, BMCCPRS, BMCUPRS, or BMCTRIG issued to provide DB2 version information. The first version number indicates the DB2 version that you are running. The second version number indicates the DB2 version code path that the product is using.
For example, if you are running in DB2 Version 9 on a DB2 Version 10 subsystem, this message would indicate DB2 V1012 (910).

User response: No action is required.

BMC16675 ON TABLE tableOwner.tableName 1ST KEY COLUMN column
Explanation: This message is a BMC Software utility report message.
User response: No action is required.

BMC16676 KEYLEN = value COLCOUNT = value
Explanation: This message is a BMC Software utility report message.
User response: No action is required.

BMC16677 SUBPAGE = value CLUSTER = value UNIQUE = value
Explanation: This message is a BMC Software utility report message.
User response: No action is required.

BMC16678 HIGH2KEY = value LOW2KEY = value
Explanation: This message is a BMC Software utility report message.
User response: No action is required.

BMC16679 PART PAGEGRP CARD FARIND NEARIND FULL DIRTY PACT PDRP
Explanation: This message is a BMC Software utility report message header.
User response: No action is required.

BMC16680 nnnnnnn
Explanation: This message displays data for the header in message BMC16679.
User response: No action is required.

BMC16681 PART PAGEGRP CARD LEAFDIST FAROFF NEAROFF FULL FREE NLEAF FULLKEY FIRSTKEY
Explanation: This message is a BMC Software utility report message header.
User response: No action is required.

BMC16682 nnnnnnn
Explanation: This message displays data for the header in message BMC16681.
User response: No action is required.

BMC16683 TOT DS# = value DB2 DS# = value DB2TRKS = value DSCBS = value
Explanation: This message is a BMC Software utility report message.
User response: No action is required.
BMC16684  \text{FREECYL} = \text{value} \quad \text{FREETRK} = \text{value} \quad \text{FREETXT} = \text{value} \quad \text{FREEDSCB} = \text{value}

Explanation: This message is a BMC Software utility report message.
User response: No action is required.

BMC16685  \text{VOLUME} = \text{value} \quad \text{DEVTYPE} = \text{value} \quad \text{TRACKS} = \text{value}

Explanation: This message is a BMC Software utility report message.
User response: No action is required.

BMC16686  \text{COLUMN NAME COLCARD HIGH2KEY LOW2KEY TYPE LEN MIN MAX AVG NULLCNT}

Explanation: This message is a BMC Software utility report message header.
User response: No action is required.

BMC16687  \text{nnnnnnn}

Explanation: This message displays data for the header in message BMC16686.
User response: No action is required.

BMC16688  \text{nnnnnnn}

Explanation: This message displays more data for the header in message BMC16686.
User response: No action is required.

BMC16689  \text{nnnnnnn}

Explanation: This message displays more data for the header in message BMC16686.
User response: No action is required.

BMC16690  \text{FREQUENCY VALUE}

Explanation: This message is a BMC Software utility report message header.
User response: No action is required.

BMC16691  \text{nnnnnnn}

Explanation: This message displays data for the header in message BMC16690.
User response: No action is required.

BMC16692  \text{nnnnnnn}

Explanation: This message displays more data for the header in message BMC16690.
User response: No action is required.
**BMC16693**  
**STOGROUP SPACE TSP# TSSPACE IXP# IXSPACE**

*Explanation:* This message is a BMC Software utility report message header.  
*User response:* No action is required.

**BMC16694**  
nnnnnnn

*Explanation:* This message displays data for the header in message BMC16693.  
*User response:* No action is required.

**BMC16695**  
COLUMN column STATS NOT TAKEN DUE TO SHORTAGE OF MEMORY

*Explanation:* Column statistics cannot be calculated because of insufficient storage. For the named column, BMCSTATS will not report statistics, and it will not update the DB2 or BMC tables. The BMCSTATS condition code is set to 4. This message is followed by message BMC17258 or BMC17259.  
*User response:* Increase the region size of the job.

**BMC16696**  
FOR dataSetName

*Explanation:* dataSetName is a DB2 page data set that is part of a DB2 STOGROUP selected for statistics analysis. BMC16696 is accompanied by message BMC16697.

While processing a STOGROUP request, BMCSTATS encountered a DB2 page data set in the STOGROUP that is archived or migrated. The data set was not processed.

*User response:* If the data set is to be processed, recall it before BMCSTATS STOGROUP processing.

**BMC16697**  
DATASET ARCHIVED - NO RECALL SPECIFIED

*Explanation:* The data set is archived and the recall option is not specified.  
*User response:* Restore the data set or use the recall option.

**BMC16698**  
ERROR IN EDITPROC editProcedure ON TABLE tableOwner.tableName  
RC=returnCode RS=reason

*Explanation:* The EDITPROC on the specified table contains an error.  
*User response:* Correct the EDITPROC.

**BMC16699**  
USING PLANNANE:plan

*Explanation:* If this message is accompanied by a return code 20 with message NO PLAN NAME, the installation options module is either misspelled or missing.  
*User response:* Check the format of PGM=EXEC card and confirm the format as: EXEC=ASUSMAIN,PARM=(ssid,,,installationOptionsModule).
Messages BMC16700 through BMC16759

For the DASD MANAGER PLUS for DB2 product, this topic explains each message in the designated range.

BMC16701E  
**keyword** IS NOT A VALID HEADER KEYWORD

*Explanation:* The specified keyword is not valid. The most likely reason for this message is a misspelled keyword.

*User response:* Correct the input.

BMC16702E  
**keyword** IS NOT A VALID DETAIL KEYWORD

*Explanation:* The specified keyword is not valid. The most likely reason for this error is a missing table space name.

*User response:* Correct the input.

BMC16703E  
EXPECTED DATA FOR KEYWORD **keyword** IS MISSING

*Explanation:* The specified keyword is not followed by expected data.

*User response:* Correct the input.

BMC16704E  
EXPECTING A KEYWORD, BUT NO DATA FOUND TO PARSE

*Explanation:* The parser detected end of data when more was expected.

*User response:* Correct the input.

BMC16705E  
EXPECTING A VALUE FOR KEYWORD **keyword**, BUT NO MORE DATA WAS FOUND

*Explanation:* Although data was expected after the indicated keyword, none was found.

*User response:* Correct the input.

BMC16706E  
VALUE OF **value** FOR **keyword** IS SMALLER THAN THE MINIMUM VALUE OF **value**

*Explanation:* The parser found a value too small for the specified keyword.

*User response:* Correct the input.

BMC16707E  
VALUE OF **value** FOR **keyword** IS LARGER THAN THE MAXIMUM VALUE OF **value**

*Explanation:* The parser found a value too large for the specified keyword.

*User response:* Correct the input.
**BMC16708E** CHARACTER STRING FOUND FOR KEYWORD *keyword* IS TOO LONG FOR TARGET FIELD

*Explanation:* The parser found a character string that is too long for the specified keyword.

*User response:* Correct the input.

**BMC16709** VALIDATION FOR KEYWORD *keyword* FAILED BY USER ROUTINE

*Explanation:* A user-supplied parse routine found an error processing the named keyword. Processing was terminated.

*User response:* Correct the input.

**BMC16710E** VALUE SUPPLIED FOR *keyword* IS NOT NUMERIC

*Explanation:* The named keyword requires a numeric value.

*User response:* Correct the input.

**BMC16710E** DBSFUNC(*function*) = *function*, DBSEC(*sec*) = *secName*, DB2 REASON CODE (IF AVAILABLE) = *reason*

*Explanation:* An error occurred for the specified reason.

*User response:* Either attempt to correct the problem by using the information in the error message or contact BMC Customer Support.

**BMC16711E** VALUE SUPPLIED FOR *keyword* IS NOT ALLOWED

*Explanation:* The parser encountered an invalid value for the named keyword.

*User response:* Correct the input.

**BMC16712** PARSE FAILED BY USER POST-PROCESSING ROUTINE FOR KEYWORD *keyword*

*Explanation:* A user-supplied parse routine found an error while processing the named keyword. Processing was terminated.

*User response:* Correct the input.

**BMC16713** PARSER CANNOT PROCESS *item*

*Explanation:* The parser cannot process the named item.

*User response:* Call BMC Customer Support for assistance.

**BMC16714** PARSE FAILED BY USER PRE-PROCESSING ROUTINE FOR HEADER KEYWORD *keyword*

*Explanation:* A user-supplied parse routine found an error while processing the named keyword. Processing was terminated.

*User response:* Correct the input.
**DUPLICATE KEYWORD**  
**keyword NOT ALLOWED**

*Explanation:* The parser found an illegal second occurrence of the named keyword.

*User response:* Correct the input.

**NO UTILGEN ON**  
**objectType objectName (ARCHIVED)**

*Explanation:* This is an informational message that the underlying data set was archived at the time BMCTRIG ran. The *objectType* is either a table space or index. The corresponding *objectName* is either *databaseName.tableSpaceName* or *indexOwner.indexName*.

*User response:* No action is required.

**NO UTILGEN ON**  
**objectType objectName PART partitionNumber (ARCHIVED)**

*Explanation:* This is an informational message indicating that the underlying data set was archived at the time BMCTRIG ran. The *objectType* is either a table space or index. The corresponding *objectName* is either *databaseName.tableSpaceName* or *indexOwner.indexName*. PART *partitionNumber* is the partitioning number.

*User response:* No action is required.

**PARSER WAS NOT PASSED ADDRESS OF A HEADER GROUP**

*Explanation:* Internal error.

*User response:* Call BMC Customer Support for assistance.

**HEADER GROUP DOES NOT POINT TO DETAIL KEYWORDS**

*Explanation:* Internal error.

*User response:* Call BMC Customer Support for assistance.

**keyword**  
**SPECIFIES AN INVALID DB2 SHORT ID FIELD**

*Explanation:* The specified keyword requires a short identifier (8 characters or fewer).

*User response:* Correct the input.

**keyword**  
**SPECIFIES AN INVALID DB2 LONG ID FIELD**

*Explanation:* The keyword indicated requires a long identifier (18 characters or fewer).

*User response:* Correct the input.
BMC16724  

**keyword SPECIFIES AN INVALID DB2 shortIdentifier.longIdentifier ID FIELD**

Explanation: The keyword indicated requires a short identifier (8 characters or less) and a long identifier (18 characters or less). The two identifiers must be separated by a period with no intervening blanks.

User response: Correct the input.

BMC16725  

**parserKeyword SPECIFIES AN INVALID DB2 LONG.LONG ID FIELD**

Explanation: The specified keyword used an invalid DB2 long object name. Valid names cannot exceed 30 characters and must be in the format of 30Characters.30Characters.

User response: Specify a valid DB2 long object name.

BMC16730  

**EXPECTED keyword1, BUT FOUND keyword2**

Explanation: Execution was parsing the data definition language (DDL) that you provided and found a syntax error. Instead of finding the next logical keyword, another keyword is found.

User response: Check the syntax of the DDL and resubmit.

BMC16731  

**option IS AN INVALID OPTION WITH keyword**

Explanation: Execution was parsing data definition language (DDL) that contained a keyword and an option. The option for this keyword is invalid.

User response: Correct the keyword value and resubmit.

BMC16732  

**ERROR, EXPECTED keyword AFTER COLUMN column**

Explanation: Data definition language (DDL) for a column definition is incomplete.

User response: Correct the DDL for the named column.

BMC16733  

**objectType NAME OF objectName IS TOO LONG**

Explanation: The name specified for the object is too long.

User response: Correct the object name.

BMC16734  

**tokenName IS INVALID AFTER keyword**

Explanation: The specified token cannot follow the specified keyword.

User response: Correct the input and resubmit.

BMC16735  

**messageText. COLUMN NAME IS column**

Explanation: The messageText contains information explaining the error.

User response: Correct the input.
BMC16736 **dataType IS AN INVALID DATA TYPE FOR COLUMN column**

*Explanation:* The data type is not valid. For information about valid DB2 data types, see the IBM documentation.

*User response:* Correct the input.

BMC16737 **IMPORT CANNOT DO A command ON objectType**

*Explanation:* The specified command cannot be performed on the specified object type.

*User response:* Correct the input.

BMC16738 **messageText**

*Explanation:* The message text describes a problem with parsing the input during batch import (DASD MANAGER).

*User response:* Correct the input.

BMC16739 **UNEXPECTED END OF STATEMENT WHILE SEARCHING FOR data**

*Explanation:* The parser found a keyword that required more data, but it encountered the end of the statement before it found the data.

*User response:* Correct the input.

BMC16740 **PART CLAUSE FOUND, BUT NO NUMPARTS KEYWORD FOR TS**

*Explanation:* You must define table space PARTS if a PART clause exists.

*User response:* Correct the input.

BMC16741 **AN ERROR OCCURRED WHILE TRYING TO VERIFY IF IMPORT OBJECT IS A DUPLICATE**

*Explanation:* This message is preceded by an online panel indicating an SQL error. This error usually occurs because of a timeout caused by a catalog lock.

*User response:* Try importing the items again.

BMC16742 **AN ERROR OCCURRED WHILE TRYING TO INSERT NEW OBJECT**

*Explanation:* This message is preceded by an online panel indicating an SQL error. This error usually occurs because of a timeout caused by a catalog lock.

*User response:* Try importing the items again.

BMC16743 **IMPORT IS UNABLE TO PROCESS THE command COMMAND**

*Explanation:* Import cannot process the specified command.

*User response:* Remove this input from the input stream, or simply ignore the error.
BMC16744  **parameterValue IS TOO LONG FOR keyword**  
Explanation: The specified parameter value is too long for the keyword.  
User response: Correct the input.

BMC16745  **EXPECTED data. COLUMN NAME IS column.**  
Explanation: The parser expected data in the form shown for the named column.  
User response: Correct the input.

BMC16746  **COMMENT IS TOO LONG FOR TABLE tableOwner.tableName LABEL IS TOO LONG FOR COLUMN NAME column**  
Explanation: The parser encountered a comment or label that is too long.  
User response: Correct the input.

BMC16747  **DB2 TB/IX NAME PARSE ERROR. FOUND: objectName**  
Explanation: The parser found a two-part object name that does not conform to naming conventions.  
User response: Correct the input.

BMC16748  **messageText**  
Explanation: The message text describes a problem with parsing the data definition language (DDL) input during batch import (DASD MANAGER).  
User response: Correct the input.

BMC16749  **PRIMARY KEY COLUMN column DOES NOT MATCH COLUMN**  
Explanation: The specified primary key column cannot be found in the table definition.  
User response: Correct the input.

BMC16750  **UNEXPECTED PARSE ERROR error AT IMPORT LOCATION location**  
Explanation: An error occurred during Batch Import of data definition language (DDL).  
User response: Call BMC Customer Support and report the location ID.

BMC16751  **PRIMARY KEY COLUMN column IS USED MORE THAN ONCE**  
Explanation: You can use a column only once in the primary key definition.  
User response: Correct the primary key specification.

BMC16752  **COLUMN column EXCEEDS number KEY MAXIMUM**  
Explanation: You have attempted to specify too many columns in a foreign or primary key.  
User response: Correct the key definition.
BMC16753  **MORE THAN 16 REFERENTIAL CONSTRAINTS SPECIFIED**

*Explanation:* You can specify no more than 16 referential constraints for a table.
*User response:* Correct the specification.

BMC16754  **PARTITION NUMBER GREATER THAN NUMPARTS**

*Explanation:* You have specified a partition number that is greater than the number of partitions in this table.
*User response:* Correct the error and resubmit the request.

BMC16755  **objectName or objectType are valid only with Resize=NO**

*Explanation:* The Resize option is available only for a triggered WORKID.
*User response:* Remove the Type and Object fields.

BMC16756  **Redefine=N is valid only with Resize=NO**

*Explanation:* To resize a data set, DASD MANAGER must redefine it.
*User response:* Either change Resize to NO, or change Redefine to YES.

BMC16757  **a nlpctfree value is required with nlpctfree = v**

*Explanation:* The nlpctfree field = V, and the NLP value field is blank.
*User response:* Type a number between 0 and 99 in the NLP value field.

BMC16758  **SAMPLE = T is invalid with TYPE=IX**

*Explanation:* You have specified Type = IX and Sample = T. BMCSTATS cannot sample table spaces when gathering statistics on indexes.
*User response:* Set Sample to I, N, or Y; or set Type to TS.

BMC16759  **INDEX=Y is valid only with TYPE=TS or TYPE=TT**

*Explanation:* You have specified Index = Y and Type = IX.
*User response:* Set Index to N.
Messages BMC17200 through BMC17299

This group includes messages for DASD MANAGER PLUS and the Common Statistics component.

Messages BMC17200 through BMC17299

For the DASD MANAGER PLUS for DB2 product, this topic explains each message in the designated range.

BMC17200  Import function failed

*Explanation:* Some or all of the SQL data definition language (DDL) was incorrect or could not be imported.

*User response:* Browse the output data set for errors, correct them, and then resubmit the job.

BMC17201  objectName must be edited to resolve DEFAULTS

*Explanation:* The object indicated must be edited to resolve conflicts with installation defaults.

*User response:* Check the installation defaults, and edit the object to resolve the conflicts.

BMC17202  Must edit JCL on Restart of Startover

*Explanation:* To restart the job or start it over, you must first edit the JCL.

*User response:* Specify Y for Build JCL.

BMC17203  Valid options for this field are Y and N only

*Explanation:* Only Y and N values are allowed for this field.

*User response:* Type Y or N.
BMC17204  You must provide an input dataset name
Explanation:  The input data set name is missing.
User response:  Type an input data set name.

BMC17205  You must provide an output dataset name
Explanation:  The output data set name is missing.
User response:  Type an output data set name.

BMC17206  The input and output datasets must be different
Explanation:  The input and output data set names are not unique.
User response:  Change either or both of the input or output data set names. If you are using members of the same data set, the member names must be different.

BMC17207  Could not VDEFINE fields for IMPORT processing
Explanation:  The system could not VDEFINE fields for IMPORT processing.
User response:  Contact your system programming staff for assistance. For further assistance, call BMC Customer Support.

BMC17208  Import not done because you pressed the END key
Explanation:  IMPORT action was not terminated because you entered an END command.
User response:  No action is required.

BMC17209  Qualified dsname dataSetName is too long
Explanation:  The qualified dsname dataSetName is too long.
User response:  Shorten the DSN to no more than 56 characters or reduce the number of nodes.

BMC17210  You made modifications during edit that were saved
Explanation:  Your edits were saved.
User response:  No action is required.

BMC17211  You did not modify the input data. Press enter to continue
Explanation:  Because you did not modify the input data, you can proceed to import.
User response:  Press Enter to IMPORT.

BMC17212  DATASET NOT FOUND
Explanation:  The system encountered a Library Manager error.
User response:  Correct the problem indicated by the long message.
BMC17213  **BROWSE FAILED**

*Explanation:* The system encountered a Library Manager error.

*User response:* Correct the problem indicated by the long message.

BMC17214  **Import produced discards or errors - browse output dataset**

*Explanation:* The IMPORT function produced discards or errors.

*User response:* Browse the output data set for import message.

BMC17215  **Import function imported and stored the DDL data**

*Explanation:* This message is informational.

*User response:* No action is required.

BMC17216  **Worklist status indicates either Restart or Startover must be Yes**

*Explanation:* The worklist status indicates that either the RESTART or STARTOVER parameter is required.

*User response:* Rebuild the JCL with either RESTART or STARTOVER YES before resubmitting the job.

BMC17217  **The Input data set name specified is an incorrect DSNAME**

*Explanation:* The input data set name specified is invalid.

*User response:* Correct the input data set name.

BMC17218  **The Output data set name specified is an incorrect DSNAME**

*Explanation:* The output data set name specified is invalid.

*User response:* Correct the output data set name.

BMC17220  **Entry installationOptionsModuleTableEntry contains invalid data and was ignored**

*Explanation:* The default table entry indicated contains invalid data and was ignored.

*User response:* Correct the entry in the DASD MANAGER PLUS defaults table. Call BMC Customer Support for assistance, if necessary.

BMC17221  **installationOptionsModuleTableEntry is not a valid default field**

*Explanation:* The default entry name indicated is not valid.

*User response:* Correct the error. Call BMC Customer Support for assistance, if necessary.

BMC17222  **Defaults checking failed**

*Explanation:* An invalid default value has been entered. The cursor points to the invalid value.

*User response:* Enter a valid default value.
**BMC17223**  
**Entry **installationOptionsModuleTableEntry** in error. Multiple entries invalid**  
Explanation: The entry **installationOptionsModuleTableEntry** value is in error. Multiple entries are invalid.  
User response: Correct the values in the defaults table.

**BMC17224**  
**Cannot specify VOLUME with no STOGROUP and no VCAT**  
Explanation: The volume specification is incomplete.  
User response: Type a STOGROUP or VCAT name, or remove the volume name.

**BMC17226**  
**Select is not valid for multiple keyed or no-keyed tables**  
Explanation: SELECT is not valid for these object types.  
User response: Enter a valid SELECT.

**BMC17228**  
**ROW NOT FOUND**  
Explanation: A specified row was not found in the table.  
User response: No action is required.

**BMC17229**  
**Workid workID1 contents copied into workid workID2**  
Explanation: The contents of WORKID workID1 were copied into WORKID workID2.  
User response: No action is required.

**BMC17230**  
**DASD MGR must connect to a DB2 subsystem**  
Explanation: The SSID is not valid or was omitted.  
User response: Correct the SSID.

**BMC17231**  
**Please select option 1 - 7 as displayed below**  
Explanation: Valid options are 1 to 7.  
User response: Select the correct option.

**BMC17232**  
**Please select one of the options displayed below**  
Explanation: An invalid option was selected. Valid options are displayed on the panel.  
User response: Select a valid option.

**BMC17233**  
**CANNOT CONNECT TO ssid**  
Explanation: Either the system cannot connect to DB2 using the SSID that you specified, or the DB2 subsystem is not available. This message can be issued when the subsystem is in RESTRICT mode for maintenance.  
User response: Check the specified SSID. If the SSID is correct, determine whether the subsystem is available.
BMC17234  **DB2 SSID is 1-4 alphanumeric characters, starting with alpha**  
*Explanation:* The DB2 SSID names contain 1 to 4 alphanumeric characters and must begin with a letter.  
*User response:* Correct the SSID name.

BMC17235  **PROCESSING MODULE FOR OPTION option COULD NOT BE LOADED**  
*Explanation:* The processing module option cannot be loaded because the option that you specified has been disabled.  
*User response:* Contact your system programming staff for assistance.

BMC17236  **DB2 Call Attach routine ASUCAF could not be loaded**  
*Explanation:* The DASD MANAGER PLUS call attach facility (AUSCAF) is required for operation and is loaded independently during initialization. The module cannot be loaded, and processing has terminated.  
*User response:* Check the installation of the DASD MANAGER PLUS utility to verify that this module was copied properly and is available in a JOBLIB, STEPLIB, or LINKLIST.

BMC17237  **A failure occurred in ISPF initialization**  
*Explanation:* A system failure occurred during ISPF initialization.  
*User response:* Contact your system programming staff for assistance. If you need further assistance, call BMC Customer Support.

BMC17238  **'Y' is the only acceptable entry unless you press the END key**  
*Explanation:* At this point, you must enter Y or exit the panel.  
*User response:* Type Y to override, or press END to exit this panel.

BMC17239  **Only a 'Y' or an 'N' is acceptable in this field**  
*Explanation:* Incorrect input was entered in this field.  
*User response:* Type Y or N and press Enter to continue.

BMC17240  **DASD MGR cannot load module ASUQLER**  
*Explanation:* DASD MANAGER PLUS module AUSQLER could not be loaded possibly because it was copied incorrectly or is not available in a JOBLIB, STEPLIB, or LINKLIST.  
*User response:* Check the installation of the DASD MANAGER PLUS utility to verify that this module was copied properly and is available in a JOBLIB, STEPLIB, or LINKLIST.

BMC17241  **The JCL Statements must not be blank**  
*Explanation:* The JCL statements must not be blank.  
*User response:* Type one or more JCL statements.
BMC17242 Default catalog must be an 8 character name field
Explanation: The default catalog was not specified correctly in the JCL.
User response: Correct the default catalog entry in the JCL.

BMC17243 Load Library name is blank or an invalid dsname
Explanation: The first DB2 Load Library is blank or is an invalid data set name.
User response: Correct the DB2 load library data set name.

BMC17246 A symbolic work unit is required
Explanation: The required symbolic work unit was not found.
User response: Type a symbolic work unit.

BMC17247 A symbolic Sort work unit is required
Explanation: The required symbolic SORTWORK unit was not found.
User response: Type a symbolic SORTWORK unit.

BMC17248 You must have a default value for primary work space
Explanation: The required default value for the primary work space is missing.
User response: Specify a default value for the primary work space.

BMC17249 Valid values for the indicated field are: values
Explanation: Valid values for the field were not found.
User response: Type one of the values listed.

BMC17250 The load for options module installationOptionsModule failed
Explanation: The indicated DASD MANAGER PLUS options module failed load processing.
User response: Ensure that the options module has been set up correctly and that the name is specified correctly.

BMC17251 DASD MGR User Options have been saved
Explanation: This message is informational.
User response: No action is required.

BMC17252 Model module is not a valid options module
Explanation: The module name indicated is not a valid options module.
User response: Check with the product installer to determine what happened to the correct installation options module.
BMC17253  ASUFUSX1 is required for operation

Explanation: The security exit in ASUFUSX1 is required for operation, but it cannot be found.
User response: Check with the product installer to determine what happened to ASUFUSX1.

BMC17254  BAD R/C FROM ASUFUSX1

Explanation: The front-end security exit produced a nonzero return code.
User response: Contact your system programmer. For further information, call BMC Customer Support.

BMC17255  Potential invalid control block detected - call Support

Explanation: A potentially invalid control block was detected.
User response: Contact BMC Customer Support for assistance.

BMC17256  Workid workID copies. Duplicates not copied

Explanation: The WORKID was copied, but duplicate objects were not copied.
User response: Edit the WORKID.

BMC17257  Workid workID not copied. All objects are duplicates

Explanation: The WORKID was not copied because all objects are duplicates.
User response: Edit the WORKID.

BMC17258  DATABASE= databaseName TABLE= tableOwner.tableName INDEX= indexOwner.indexName

Explanation: This informational message is used in conjunction with message BMC16695 and identifies the index for which column statistics were not taken because of a shortage of memory.
User response: See message BMC16695.

BMC17259  DATABASE= databaseName TABLESPACE= databaseName.tableSpaceName TABLE= tableOwner.tableName

Explanation: This informational message is used in conjunction with message BMC16695 and identifies the table for which column statistics were not taken because of a shortage of memory.
User response: See message BMC16695.

BMC17260  IF BOTH ARE NO BMCSTATS WILL HAVE NOTHING TO DO.

Explanation: If both SAVE and REPORT are specified as NO, BMCSTATS can take no action.
User response: Specify YES for either SAVE or REPORT or both.
BMC17261  
**job ALREADY EXISTS**  
*Explanation:* Job names must be unique.  
*User response:* Choose another job name.

BMC17262E  
**job DOES NOT EXIST**  
*Explanation:* The job indicated was not found or does not exist.  
*User response:* Correct the job name.

BMC17263  
**No change to Worklist or JCL. Press Enter to Submit anyway**  
*Explanation:* No changes were made to the worklist or JCL during editing.  
*User response:* Press Enter to submit the job, or cancel the job.

BMC17264  
**Error on JCL submission**  
*Explanation:* An ISPF error occurred when JCL was submitted.  
*User response:* Submit the JCL again. Contact your system programming staff for further assistance.

BMC17265  
**UPDATE OR INSERT WAS SUCCESSFUL FOR job**  
*Explanation:* The job indicates successfully updated or inserted data.  
*User response:* No action is required.

BMC17266  
**DELETE WAS SUCCESSFUL FOR job**  
*Explanation:* The job indicates successfully deleted data.  
*User response:* No action is required.

BMC17267  
**Valid Selections are A,B,D,E,I,L,M or S. Help for more info.**  
*Explanation:* The selection code was not entered correctly.  
*User response:* Type the correct code or type HELP for more information about these selections.

BMC17268  
**A Member was specified on a non Partitioned Data set**  
*Explanation:* An invalid member name was specified.  
*User response:* Remove the member name or specify a partitioned data set.

BMC17269  
**Only a ‘Y’ or an ‘N’ is acceptable in this field**  
*Explanation:* An incorrect value was entered.  
*User response:* Type Y or N.
**BMC17270**  
**The JCL DSN does not exist or is not cataloged**  
*Explanation:* The JCL data set name does not exist or is not cataloged.  
*User response:* Allocate or catalog the data set name for the JCL, or type one that is cataloged.

**BMC17271**  
**The WORKLIST DSN does not exist or is not cataloged**  
*Explanation:* The worklist DSN specified for BMCTRIG does not exist or is not cataloged.  
*User response:* Allocate or catalog the DSN or enter one that is cataloged.

**BMC17272**  
**The DIAG DSN does not exist or is not cataloged**  
*Explanation:* BMCTRIG could not find the data set that is specified under the UTILDSN parameter.  
*User response:* Allocate or catalog the DSN or enter one that is cataloged.

**BMC17273**  
**Dynamic allocation error on JCL or Worklist DSN**  
*Explanation:* A dynamic allocation error occurred. The return code is in the short text.  
*User response:* Investigate the return code, and take corrective action. Contact your system programming staff for further assistance.

**BMC17274**  
**NEW and Diag exists or Diag does not exist**  
*Explanation:* The disposition for the diagnostic data set is in error. Either DISP=NEW and the data set exists, or DISP=OLD and the data set does not exist.  
*User response:* If DISP=NEW and the diagnostic data set already exists, specify DISP=MOD or DISP=OLD and resubmit. If DISP=OLD or MOD and the diagnostic data set does not exist, specify DISP=NEW or change the data set name and resubmit.

**BMC17275**  
**Error(s) found during Worklist Generation**  
*Explanation:* Errors were found during worklist generation. The return code is in the short text.  
*User response:* Investigate the return code for proper action.  
- RC=4 Error might need to be corrected.  
- RC=8 Error must be corrected.  

You can also browse the worklist for *err*.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Explanation</th>
</tr>
</thead>
</table>
| **BMC17276** | *functionCode* is not a valid utility function. HELP for a list  
Explanation: The system found an invalid utility function code.  
User response: Type a valid function code, or type HELP for a list of valid function codes. |
| **BMC17277E** | A member must be specified on a partitioned DSN  
Explanation: BMCTRIG detected that a partitioned data set was specified for UTILDSN, but that a member was not specified.  
User response: Include a member name in the UTILDSN specification. |
| **BMC17278** | The JCL DSN or member is being used  
Explanation: You must wait until the JCL data set or member is free.  
User response: Try again later. |
| **BMC17279** | The WORKLIST DSN is being used  
Explanation: You must wait until worklist data set is free.  
User response: Try again later. |
| **BMC17280** | TABLE is invalid with object type IX  
Explanation: On the BMCSTATS Parameters panel, a TABLE value is invalid with object type IX.  
User response: Correct your entry on the panel. |
| **BMC17281** | Could not open output JCL dataset due to return code of *returnCode*  
Explanation: FTOPEN failed with return code *returnCode*.  
User response: Contact your system programming staff for assistance. |
| **BMC17282** | Could not include member *member* due to return code of *returnCode*  
Explanation: FTINCL failed with the return code specified.  
User response: Contact your system programming staff for assistance. |
| **BMC17283** | CLOSE for output JCL dataset failed with return code of *returnCode*  
Explanation: FTCLOSE failed with return code *returnCode*.  
User response: Contact your system programming staff for assistance. |
| **BMC17284** | Scan for DDNAME after keyword has failed  
Explanation: The scan failed for the ddname after the keyword indicated.  
User response: Save the name of the keyword and the worklist, and call BMC Customer Support. |
BMC17285    An object is required with this function
Explanation: An object is required for this function and missing.
User response: Specify an object.

BMC17286    No additional parms are required for this function
Explanation: This message is informational.
User response: No action is required.

BMC17287    Diagnostic file must be a sequential file
Explanation: The diagnostic file is not sequential.
User response: Specify a sequential diagnostic file.

BMC17288    The object type is invalid for the function or object
Explanation: The object type is invalid for this function or object specified.
User response: Type the correct object type. Press HELP for a list of valid object types.

BMC17289    Only ALL can be specified with wildcarded object
Explanation: Only ALL can be specified with an object that uses wild cards.
User response: Specify ALL to use wild cards with objects.

BMC17290    Errors detected in the WORKLIST
Explanation: Errors were detected in the worklist while JCL was being built.
User response: Edit the worklist to correct the errors.

BMC17291    Could not open output JCL dataset due to return code of returnCode
Explanation: The system cannot open the output JCL data set because of return code returnCode.
User response: Contact your system programming staff for assistance.

BMC17292    Could not include member member due to return code of returnCode
Explanation: The system cannot include the member that is indicated because of return code returnCode.
User response: Contact your system programming staff for assistance.

BMC17293    CLOSE for output JCL dataset failed with return code of returnCode
Explanation: CLOSE for the output JCL data set failed with return code returnCode.
User response: Contact your system programming staff for assistance.
BMC17294  Scan for DDNAME after $ddnKeyword$ has failed
Explanation: The scan failed for the ddname after the ddn keyword that is indicated.
User response: Save the name of the keyword and the worklist, and call BMC Customer Support.

BMC17295  WORKLIST dataset with DDNAME $ddname$ failed to OPEN
Explanation: The worklist data set with the ddname that is indicated failed to OPEN.
User response: Call BMC Customer Support for assistance.

BMC17296  The JCL, WORKLIST & DIAG DSNs must be different
Explanation: A duplicate exists among the JCL, worklist, and diagnostic data set names.
User response: Change any duplicate data set names.

BMC17297  Dynamic allocation error on JCL DSN
Explanation: A dynamic allocation error occurred on the JCL data set name with the return code that is indicated in the short text.
User response: Examine the return code and take appropriate action.

BMC17298  Dynamic allocation error on Worklist DSN
Explanation: A dynamic allocation error occurred on the worklist data set name with the return code that is indicated in the short text.
User response: Examine the return code and take appropriate action.

BMC17299  Dynamic allocation error on JCL DSN
Explanation: A dynamic allocation error occurred on the JCL data set name with the return code that is indicated in the short text.
User response: Examine the return code and take appropriate action.
Messages BMC50000 through BMC50999

This group includes messages for the Utility products for DB2. Any of these products might issue the messages in this group.

Messages BMC50000 through BMC50099

For the Utility products for DB2, this topic explains each message in the designated range.

BMC50001I UTILITY EXECUTION STARTING date time...
Explanation: The utility started running at the indicated date and time.
User response: No action is required.

BMC50002I UTILITY ID = 'utilityID'. DB2 SUBSYSTEM ID = 'ssid'. OPTION MODULE = 'module'.
Explanation: This message confirms the utility ID, DB2 subsystem ID, and installation options module that you specified. If you specified a group attachment name in your EXEC statement parameters, that name is the DB2 subsystem ID. For details about specifying these parameters with your EXEC statement, see Chapter 4 of the reference manual for the utility that you are using.
User response: No action is required.

BMC50003I RESTARTING UTILITY: COMMAND = 'command', PHASE = 'phase'
Explanation: The utility that the command indicates is restarting at the indicated phase.
User response: No action is required.
BMC50004I  *phase* PHASE COMPLETE. ELAPSED TIME = *time*

*Explanation:* The indicated phase completed in the elapsed time that this message displays.

*User response:* No action is required.

BMC50005I  utility COMMAND EXECUTION PAUSING BEFORE PHASE = 'phase'

*Explanation:* The indicated utility execution is pausing as the utility command requested.

*User response:* After modifying your JCL, reallocating DB2 data sets, or changing the utility command, use the RESTART utility parameter and restart the job.

BMC50006I  UTILITY EXECUTION COMPLETE, RETURN CODE = *returnCode*

*Explanation:* The utility execution completed. A return code that is greater than zero indicates a warning or a problem. For more information about return codes, see the reference manual for the utility that you are running.

*User response:* If the return code is not zero, check the preceding messages to determine the problem. Otherwise, no action is required.

BMC50007I  OBJECT(S) RESET TO ORIGINAL STATUS; STOPPED OUTAGE ELAPSED TIME = *time*

*Explanation:* This message indicates how long the objects were in STOP status for a SHRLEVEL CHANGE job. The objects are reset to their original status.

*User response:* No action is required.

BMC50008I  WTOMessage

*Explanation:* The utility writes the user-defined text of this message to the MVS system log to indicate that the snapshot initialization process completed successfully.

*User response:* No action is required.

BMC50009S  UNABLE TO RESTART UTILITY IN 'phase' PHASE DUE TO PREVIOUS WARNING OR ERROR

*Explanation:* You attempted to restart the utility but, due to a previously issued warning or error, the job cannot be restarted.

*User response:* Check preceding warning or error messages or the job log to determine the problem. If you understand the problem, correct it and resubmit the job with the NEW restart parameter. Otherwise, you must recover the table space and any associated indexes and then resubmit the job. For more information associated with restarting your job, see Chapter 4 of the reference manual for the utility that you are running.
BMC50010U  UTILITY WITH ID ‘utilityID’ IS BEING TERMINATED. THE UTILITY CANNOT BE RESTARTED.

Explanation: The utility encountered a problem, described in a previously issued message, and is terminating the current job. Due to the state of the objects, an option value, or the phase of the job, the job cannot be restarted.

User response: Check the preceding messages for information about the problem. Correct the problem, if necessary, and resubmit the utility with the NEW restart parameter.

BMC50011E  UTILITY WITH ID ‘utilityID’ ALREADY EXISTS

Explanation: The utility ID that you specified is in use.

User response: If you are restarting the utility, specify the RESTART utility parameter. Otherwise, choose a different utility ID.

BMC50012E  UTILITY WITH ID ‘utilityID’ CURRENTLY EXECUTING

Explanation: An executing utility is currently using the utility ID that you specified.

User response: If you are not trying to restart an existing utility, choose a different utility ID.

If you want to restart the utility and you know that a utility with the indicated utility ID is not currently running, complete the following steps:

1. Execute the following SQL statement to update the STATUS column to S for the row in the BMCUTIL table where the UTILID column equals the specified utility ID:

   ```sql
   UPDATE authid.BMCUTIL SET STATUS='S' WHERE UTILID='utilid'
   ```

2. Restart the utility, specifying the same utility ID.

If you want to terminate the utility, use the TERM keyword for the restart utility parameter. For more information about using this keyword, see the reference manual for the utility that you are executing.

BMC50013I  UTILITY EXECUTION TERMINATING, RETURN CODE = returnCode

Explanation: The execution of the utility ended with an error. For more information about the return code, see the reference manual for the utility that you are running.

User response: Check preceding messages to determine the problem. Correct the problem and restart the utility.
BMC50014U  UTILITY EXECUTION ABENDED, SYSTEM CODE = abendCode, REASON CODE = reasonCode

Explanation: The execution of the utility ended abnormally. The system abend code and reason code can help determine the reason for the abend.

User response: Check preceding messages or the job log to determine the problem. If you understand the problem (for example, your job was canceled because of insufficient time), correct the problem and restart the utility. Otherwise, contact BMC Customer Support.

BMC50015U  UTILITY EXECUTION ABENDED, USER CODE = abendCode, REASON CODE = reasonCode

Explanation: The execution of the utility ended abnormally. The user abend code and reason code can help determine the reason for the abend. For information about these codes, see the "Codes" chapter of this manual.

User response: Check preceding messages or the job log to determine the problem. If you understand the problem (for example, an SQL timeout), correct the problem and restart the utility. Otherwise, contact BMC Customer Support.

BMC50016E  utility UTILITY WITH ID 'utilityID' NOT FOUND IN BMCUTIL/BMCSYNC

Explanation: You specified the RESTART parameter. Either the utility ID that you specified as the UTILID parameter cannot be found in the BMCUTIL or BMCSYNC table, or the utility ID belongs to another utility.

User response: Ensure that you specified the correct utility ID and restart your job.

BMC50016I  utility UTILITY WITH ID 'utilityID' NOT FOUND IN BMCUTIL/BMCSYNC

Explanation: You specified the TERM parameter. Either the utility ID that you specified as the UTILID parameter cannot be found in the BMCUTIL or BMCSYNC table, or the utility ID belongs to another utility.

User response: Ensure that you specified the correct utility ID and restart your job.

BMC50017E  RESTART OF 'utility' UTILITY ATTEMPTED WITH UTILITY COMMAND 'command'

Explanation: The utility was restarted with a command that is different from the command that was used for the original execution of the utility. The job terminated.

User response: Submit the job with the correct command to restart the utility.

BMC50018I  UTILITY CANCELLED BY USER

Explanation: The row for this utility ID was deleted from the BMCUTIL table. This action canceled the utility.

User response: For UNLOAD PLUS users, the DB2 table or table space that the utility was unloading was not affected. No action is required in this case.
For all other utilities, see the associated reference manual for information about making the DB2 object usable after terminating or canceling the utility.

**BMC50019I**
**UTILITY REQUESTED TO TERMINATE DUE TO FAILURE IN PHASE 'phase'**

*Explanation:* You specified the ON FAILURE phase TERMINATE option and the utility is terminating abnormally. The utility starts all spaces (when appropriate), and removes the utility ID from the BMCUTIL table.

*User response:* No action is required.

**BMC50020I**
**UTILITY TERMINATED DUE TO 'option' SPECIFICATION**

*Explanation:* The specified option caused the utility job to end.

*User response:* No action is required.

**BMC50021E**
**UTILITY PARM 'parameter' IS LONGER THAN n CHARACTERS**

*Explanation:* The parameter on the utility EXEC statement is longer than the maximum number of allowed characters.

*User response:* Correct the parameter and resubmit the utility job.

**BMC50022I**
**SPECIFIED parameter IS NULL. USING DEFAULT.**

*Explanation:* Because you did not specify the indicated parameter on the EXEC statement, the utility is using the default value. For more information about EXEC statement parameters, see the reference manual for the utility that you are running.

*User response:* No action is required. See also message BMC50002I.

**BMC50023E**
**INVALID UTILITY PARM: 'parameter'**

*Explanation:* The indicated EXEC statement parameter was specified incorrectly.

*User response:* Correct the parameter and resubmit the job.

**BMC50024I**
**CONNECTED TO SUBSYSTEM 'ssid'**

*Explanation:* You specified a group attachment name in your EXEC statement parameters, and you are running the utility in a data sharing environment. This message tells you the actual subsystem to which you are connected within the group. This message follows BMC50002I.

*User response:* No action is required.

**BMC50025S**
**OPERATING SYSTEM NOT AT MINIMUM LEVEL OF operatingSystem versionNumber**

*Explanation:* You attempted to run the utility on a version of the operating system that this version of the utility does not support. The utility terminated processing. This message is displayed on the console only.

*User response:* Upgrade your operating system or use an earlier version of the utility that supports your current operating system.
**BMC50026S**  
**Z/ARCHITECTURE NOT AVAILABLE ON SYSTEM**

*Explanation:* You attempted to run the utility on a system that is not running in z/Architecture mode, which this version of the utility requires. The utility terminated processing. This message is displayed on the console only.

*User response:* Upgrade your system or use an earlier version of the utility that does not require z/Architecture mode.

**BMC50027S**  
**SYSTEM NOT RUNNING IN 64-BIT MODE**

*Explanation:* You attempted to run the utility on a system that is not running in 64-bit mode, which this version of the utility requires. The utility terminated processing. This message is displayed on the console only.

*User response:* Upgrade your system or use an earlier version of the utility that does not require 64-bit mode.

**BMC50028I**  
**DB2 MODE = mode [(SKIP MIGRATION PERFORMED)]**

*Explanation:* You are running in the indicated mode (for example, NFM) of the DB2 version that message BMC50471I indicates. If you migrated directly from DB2 version \( n \) to DB2 version \( n + 2 \) (for example, DB2 Version 8 to DB2 Version 10), this message states that skip migration was performed.

*User response:* No action is required.

**BMC50029S**  
**action FOR MODULE 'moduleName' FAILED, CODE = returnCode, RSN = reasonCode**

*Explanation:* The utility tried to perform the specified action on the module but was not successful. Some modules, such as the BMC Common Statistics API, might provide additional messages with more detail about the problem.

If you receive this message as a WTO message before the utility starts execution, the most likely reason is that the product was not installed properly.

*User response:* If *action* in the message text is LOAD, ensure that the module is available in your LINKLIST, JOBLIB, or STEPLIB. For any other *action*, if you are able to determine the problem, correct it and rerun the job. Otherwise, contact BMC Customer Support.

**BMC50030S**  
**MATERIALIZED DOCID COUNT \( n1 \) DOES NOT MATCH measure COUNT \( n2 \) FOR INDEX databaseName.indexSpaceName**

*Explanation:* You ran the utility after adding an XML column via an ALTER statement, causing the utility to generate values for the document ID index. The utility compared the number of document ID (DOCID) values that it generated against the measure indicated in this message, and they do not match. This discrepancy indicates either a problem with the document ID index or an internal error.

*User response:* Contact BMC Customer Support.
**BMC50031I**  
*utility periodType PERIOD WILL EXPIRE IN n DAYS REASON CODE=reasonCode*

*Explanation:* This message is displayed during the last 30 days before the license expiration date that was set when the installation media was created. The periodType is either GRACE or TRIAL.

*User response:* Contact a BMC sales representative for assistance.

**BMC50032E**  
*utility periodType PERIOD HAS EXPIRED*

*Explanation:* Your grace or trial period has expired.

*User response:* Contact a BMC sales representative for assistance.

**BMC50033E**  
*CPU NOT AUTHORIZED TO RUN utility RETURN CODE=returnCode REASON CODE=reasonCode*

*Explanation:* You are attempting to run the indicated utility on an unauthorized CPU.

If you are running in a worklist environment and this message displays reason code LX, the most likely reason for this message is that the ALTER or CHANGE MANAGER product is using the basic, unlicensed version of UNLOAD PLUS, but the syntax is incorrect.

*User response:* If you receive reason code LX, review the ALTER and CHANGE MANAGER documentation to ensure that you are using the BASIC UNLOAD feature correctly. If you are unable to determine the problem, contact BMC Customer Support for the product that you are running (ALTER or CHANGE MANAGER).

For any other reason codes, contact a BMC sales representative for assistance.

**BMC50033W**  
*CPU NOT AUTHORIZED TO RUN utility RETURN CODE=returnCode REASON CODE=reasonCode*

*Explanation:* You are attempting to run the indicated utility on an unauthorized CPU.

If you are running in a worklist environment and this message displays reason code LX, the most likely reason for this message is that the ALTER or CHANGE MANAGER product is using the basic, unlicensed version of UNLOAD PLUS, but the syntax is incorrect.

*User response:* If you receive reason code LX, review the ALTER and CHANGE MANAGER documentation to ensure that you are using the BASIC UNLOAD feature correctly. If you are unable to determine the problem, contact BMC Customer Support for the product that you are running (ALTER or CHANGE MANAGER).

For any other reason codes, contact a BMC sales representative for assistance.
BMC50034E **utility NOT ACTIVATED**
Explanation: You specified a command for a utility that is not activated on your system.
User response: Contact a BMC sales representative for assistance.

BMC50035E **INCONSISTENCY FOUND IN SECURITY CHECK RETURN CODE=returnCode REASON CODE=reasonCode**
Explanation: The utility found an inconsistency, most likely due to the CPU ID, during the security check. The utility terminated processing.
User response: Contact BMC Customer Support.

BMC50036E **NOT APF AUTHORIZED**
Explanation: This message indicates that the utility is not running as an MVS-authorized program. The utility must run from a library that is an Authorized Program Facility (APF) library.
User response: Contact your system programming staff to copy the utility to an APF-authorized library.

BMC50037E **CANNOT ESTABLISH SECURITY ENVIRONMENT**
Explanation: The utility cannot establish the RACF environment that it needs. The utility terminated processing.
User response: Contact BMC Customer Support.

BMC50038E **THIS RELEASE OF utility DOES NOT SUPPORT RELEASES OF DB2 PRIOR TO VversionNumber**
Explanation: You ran the utility against a version of DB2 that this release does not support. The utility terminated processing.
User response: To determine the supported versions of DB2 for this version of the utility, see the documentation for the utility.

BMC50039E **THIS RELEASE OF utility DOES NOT SUPPORT RELEASES OF DB2 AFTER VversionNumber**
Explanation: You ran the utility against a version of DB2 that this release does not support.
User response: To determine the supported versions of DB2 for this version of the utility, see the documentation for the utility.

BMC50040E **dataSetName : ENTRY n OF HLSM PAGE X'pageNumber' POINTS TO status LLSM PAGE X'pageNumber'**
Explanation: The utility encountered a problem with the specified data set and processing terminated.
User response: Contact BMC Customer Support and provide the information in this message.
BMC50041I taskNumber : ZIIP [NOT] ENABLED (xbmReturnCode) [USING XBM SUBSYSTEM ssid]

Explanation: This message indicates whether the utility enabled IBM System z Integrated Information Processor (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 that did not support zIIP enablement or did not have an XBM component that the product requires. If you specify an XBM subsystem, ensure that all required XBM components are active (for example, the DB2 and zIIP components) 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 components).</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.

BMC50051E utility NOT ALLOWED ON SYSTEM OBJECT 'databaseName.spaceName'

Explanation: A DB2 system table, table space, or index was specified in the command statement. This utility cannot operate on a DB2 system object.

User response: If applicable, change the command option to specify a supported object. Otherwise, no action is required.
BMC50052E  'userID' DOES NOT HAVE SUFFICIENT PRIVILEGES TO EXECUTE 'utility' ON DATABASE 'databaseName'

Explanation: You need sufficient authorization to run the utility on the database that this message shows. Message BMC50053E, BMC50054E, or both might accompany this message. The utility terminated.

User response: Obtain the necessary authorization and resubmit the job. For information about the authorization that you need, see the reference manual for the utility that you are running.

BMC50053E  USER DOES NOT HAVE 'privilege' PRIVILEGE ON TABLE 'tableCreator.tableName'

Explanation: You and all of your secondary authorization IDs need the indicated privilege to run the utility on the table shown in this message. The utility terminated.

User response: Obtain the necessary privilege and resubmit the job. For information about the privileges that you need, see the reference manual for the utility that you are running.

BMC50054E  USER DOES NOT HAVE LOAD PRIVILEGE ON TABLE 'tableCreator.tableName' FOR LOAD REPLACE OF TABLESPACE 'databaseName.tableSpaceName'

Explanation: If you use LOAD REPLACE, you or one of your secondary authorization IDs must own all tables in the table space. For information about the privileges that you need to load a table, see Chapter 2 of the LOADPLUS for DB2 Reference Manual. The utility terminated.

User response: Obtain the necessary authorization and resubmit the job, or delete all rows in your table and load the table by specifying LOAD RESUME YES.

BMC50055E  utility NOT ALLOWED ON TEMP OR WORK DATABASE databaseName FOR TABLE creatorName.tableName

Explanation: The indicated utility operation was attempted on a table in a temporary or work database. This operation is not allowed.

User response: No action is required.

BMC50056E  functionality NOT SUPPORTED FOR 'option'

Explanation: The utility does not support the specified functionality for the option that you specified. The utility terminated.

User response: Change your utility job and restart or resubmit the job. For restrictions that apply to the specified option, see the reference manual for the utility that you are running.
UNSUPPORTED KEY TARGET DATATYPE: X'\texttt{dataType}', DATABASE: \texttt{databaseName}, INDEXSPACE: \texttt{indexSpaceName}

**Explanation:** The utility detected an XML index key definition that it does not recognize, or an internal error or storage overlay occurred. The hexadecimal data type value comes from the DBD, and it represents the data type of a component (key target) of an XML index.

**User response:** Contact BMC Customer Support.

---

**Messages BMC50100 through BMC50199**

For the Utility products for DB2, this topic explains each message in the designated range.

**BMC50101W** EXPRESSION TOO COMPLEX

**Explanation:** A table check constraint contains too many parentheses or is too long.

**User response:** See additional messages for the correct response.

**BMC50102I** command

**Explanation:** This message echoes the command statement input lines that the utility read from SYSIN or the ALTER statements that the utility read from a DDLIN data set.

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

**BMC50103W** CHARACTER ‘c’ IS NOT ALLOWED IN COMMAND

**Explanation:** The indicated character is not valid for a utility command or table check constraint.

**User response:** See additional associated messages for the correct response.

**BMC50104E** UNEXPECTED TOKEN ‘token’ ENCOUNTERED IN COMMAND

**Explanation:** The utility command is invalid (for example, it includes a misspelled keyword or uses invalid syntax). The job terminated.

**User response:** Ensure that the utility command keywords are spelled correctly and are specified in the order shown in the syntax diagram. Correct any error and resubmit the job.

**BMC50104I** UNEXPECTED TOKEN ‘token’ ENCOUNTERED IN COMMAND

**Explanation:** The specified DDLIN data set is empty. The utility ignores the data set and continues processing the job.

**User response:** Add to the DDLIN data set the statements that you want the utility to process and resubmit the job.
BMC50105E  PARAMETER 'parameter' IS NOT IN RANGE OF VALUES FOR OPTION 'option'

Explanation: The specified parameter value is not valid for this option. For example, the utility might issue this message when you specify an object name or constant that is longer than the maximum length that the utility supports. The utility terminated.

User response: Correct the error and resubmit the job.

BMC50105W  PARAMETER 'parameter' IS NOT IN RANGE OF VALUES FOR OPTION 'option'

Explanation: The specified parameter value is not valid for this option. For example, the utility issues this message when you specify an object name or constant that is longer than the maximum length that the utility supports.

User response: See any additional associated messages for the correct response.

BMC50106E  PARTITION NUMBER 'partitionNumber' NOT IN RANGE 1 TO n

Explanation: An invalid partition number is specified on your utility command.

User response: Specify a partition number within the range described in the explanation for this message and resubmit the job.

BMC50107E  DUPLICATE PARTITION NUMBER 'partitionNumber' SPECIFIED

Explanation: The same partition number is specified twice.

User response: Remove the duplicate partition number and resubmit the job.

BMC50108I  PARAMETER 'parameter' IS IGNORED FOR OPTION 'option'

Explanation: An option was specified with a value that the utility does not use. However, the parameter is allowed for compatibility purposes.

User response: No action is required.

BMC50109I  'option1' OPTION SPECIFIED. OPTION 'option2' IGNORED

Explanation: Two options were specified (option1 and option2), but the utility can accept only one option. The utility ignores the second option and continues processing.

User response: No action is required.

BMC50110E  INVALID VALUE 'value' SPECIFIED FOR 'option' OPTION

Explanation: The specified value is incorrect for the indicated option.

User response: Correct the value and resubmit the job.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC50111E</td>
<td>INVALID STRING <em>string</em></td>
<td>The specified string is either empty or has unpaired quotation marks.</td>
<td>Correct the string and resubmit the job.</td>
</tr>
<tr>
<td>BMC50111W</td>
<td>INVALID STRING <em>string</em></td>
<td>The specified string is either empty or has unpaired quotation marks.</td>
<td>See additional associated messages for the correct response.</td>
</tr>
<tr>
<td>BMC50112E</td>
<td><em>'option'</em> OPTION NOT SPECIFIED</td>
<td>The utility expected the indicated option. You must specify this option at least once in the command statement.</td>
<td>Specify the option and resubmit the job.</td>
</tr>
<tr>
<td>BMC50113E</td>
<td><em>'option'</em> OPTION HAS CHANGED, BUT IS NOT ALLOWED TO CHANGE ON RESTART OF PHASE = <em>phase</em></td>
<td>An option was changed before restarting the job, but you are not allowed to change this option when restarting the phase shown in this message. The utility terminated.</td>
<td>Change the option back to its original value and restart the job. For more information, see Chapter 4 of the reference manual for the utility that you are running.</td>
</tr>
<tr>
<td>BMC50114I</td>
<td>OPTION <em>'option'</em> IS NO LONGER SUPPORTED AND IS IGNORED</td>
<td>An option was specified that the utility no longer supports. For information about options that the utility currently supports, see the associated reference manual. The utility ignores the option and continues processing.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC50114W</td>
<td>OPTION <em>'option'</em> IS NO LONGER SUPPORTED AND IS IGNORED</td>
<td>An option was specified that the utility no longer supports. For information about options that the utility currently supports, see the associated reference manual. The utility ignores the option and continues processing.</td>
<td>If the utility ignoring the option will produce results that you do not want, use the information in the message and the associated reference manual to determine what action to take. Otherwise, no action is required.</td>
</tr>
</tbody>
</table>
BMC50115E  'option1' OPTION SPECIFIED. OPTION 'option2' CANNOT BE USED

Explanation:  The option option1 was specified, which is incompatible with option2. The utility terminated.

User response:  Correct the utility command and resubmit the job. For information about options that the utility currently supports, see the associated reference manual.

BMC50116I  OPTION 'option1' IS IGNORED. OPTION 'option2' IS ASSUMED

Explanation:  The option option1 was specified, which the utility ignored and replaced with option2. The utility continues processing.

User response:  No action is required.

BMC50117E  INVALID DBCS/DELIMITED IDENTIFIER identifier

Explanation:  The double-byte character set (DBCS) or delimited identifier is not a valid identifier. The utility terminated.

User response:  Correct the problem with the identifier and resubmit the job.

BMC50117W  INVALID DBCS/DELIMITED IDENTIFIER identifier

Explanation:  The double-byte character set (DBCS) or delimited identifier is not a valid identifier.

User response:  See additional associated messages for the correct response.

BMC50118E  DUPLICATE DDNAME 'ddname' FOUND IN DDN OPTIONS

Explanation:  The utility found two or more identical ddnames that were specified in the default name override command or installation options (for example, LOADDN or ERRDDN). The utility terminated.

User response:  Ensure that each ddname that you specified in the command or installation options is unique. Restart or resubmit the job.

BMC50119E  'option' SPECIFIED.  'requirement' REQUIRED

Explanation:  The indicated option was specified, which requires requirement. The utility terminated.

User response:  Correct your command statement and resubmit the job. For information about the option's requirements, see the reference manual for the utility that you are running.

BMC50120E  'option' OPTION HAS CHANGED, BUT IS NOT ALLOWED TO CHANGE ON 'RESTART' OF PHASE = 'phase', USE 'RESTART(PHASE)'

Explanation:  Before restarting the job, the value of the option shown in this message was changed. You cannot change this particular option before restarting this phase with the RESTART parameter.
The utility terminated.

User response: If the change to the option is required, use RESTART(PHASE) to restart your job. Otherwise, revert to the original value of the option and restart the job.

BMC50121E LENGTH OF COLUMN 'columnName' IS TOO LONG FOR 'comparison' COMPARISON

Explanation: The column that was specified in the comparison is longer than the maximum length that your version of DB2 allows. The utility does not support this type of comparison and terminates.

User response: If you specified the wrong column, correct the column and resubmit the job.

BMC50121W LENGTH OF COLUMN 'columnName' IS TOO LONG FOR 'comparison' COMPARISON

Explanation: The column that was specified in the comparison is longer than the maximum length that your version of DB2 allows.

User response: For the correct response, see additional associated messages.

BMC50122E FOR 'option' COLUMN 'columnName', CONSTANT IS WRONG TYPE OR COLUMN IS NOT NULLABLE: 'constant'

Explanation: The data type of the constant that was specified is not compatible with the data type of the column, or you specified NULL for a column that is defined as NOT NULL. The utility terminated.

User response: See the description of the option in the reference manual for the utility that you are running. Correct the constant and resubmit the job.

BMC50122W FOR 'option' COLUMN 'columnName', CONSTANT IS WRONG TYPE OR COLUMN IS NOT NULLABLE: 'constant'

Explanation: The data type of the constant that was specified is not compatible with the data type of the column, or you specified NULL for a column that is defined as NOT NULL.

User response: See the description of the option in the reference manual for the utility that you are running. See additional associated messages for the correct response.

BMC50123E FOR 'option' COLUMN 'columnName', CONSTANT IS NOT IN RANGE OF COLUMN DATA TYPE: 'constant'

Explanation: The constant that was specified is not valid for the data type of the indicated column. For example, the value is too small or too large, or the length is too long. The utility terminated.

User response: Correct the constant and resubmit the job. For more information, see the reference manual for the utility that you are running.
BMC50123W FOR ‘option’ COLUMN ‘columnName’, CONSTANT IS NOT IN RANGE OF COLUMN DATA TYPE: ‘constant’

Explanation: The constant that was specified is not valid for the data type of the indicated column. For example, the value is too small or too large, or the length is too long.

User response: See any additional associated messages for the correct response.

BMC50124E INVALID VALUE ‘value’ SPECIFIED FOR ‘option’ OPTION, COLUMN ‘columnName’

Explanation: The value of the option that was specified is incorrect. For example, the end position in POSITION(start:end) must be greater than or equal to the start position. Also, the length derived from (start:end) must match the explicit or implicit length of the input data type. The utility terminated.

User response: See the description of the option in the reference manual for the utility that you are running. Correct the option value and resubmit the job.

BMC50124W INVALID VALUE ‘value’ SPECIFIED FOR ‘option’ OPTION, COLUMN ‘columnName’

Explanation: The value of the option that was specified is incorrect. For example, the end position in POSITION(start:end) must be greater than or equal to the start position. Also, the length derived from (start:end) must match the explicit or implicit length of the input data type.

User response: See additional associated messages for the correct response.

BMC50125E TYPE OF COLUMN ‘columnName’ IS NOT ALLOWED FOR ‘option’ OPTION

Explanation: The utility cannot use the type of column that was specified with the option. For information about the column types that are allowed with this option, see the reference manual for the utility that you are running. The utility terminated.

User response: Choose a different column, if possible, and resubmit the job.

BMC50125W TYPE OF COLUMN ‘columnName’ IS NOT ALLOWED FOR ‘option’ OPTION

Explanation: The utility cannot use the type of column that was specified with the option. For information about the column types that are allowed with this option, see the reference manual for the utility that you are running.

User response: See additional associated messages for the correct response.

BMC50127E ‘FORMAT CSV’ WAS SPECIFIED WITH THE ‘TERMINATEDBY’ CHARACTER EQUAL TO ONE OF THE ‘ENCLOSEDBY’ CHARACTERS

Explanation: With the FORMAT CSV option, the same character was specified for the field delimiter (the TERMINATEDBY option) as was specified for one or both of the characters that enclose the data (the ENCLOSEDBY and AND options). The utility terminated.

User response: Change the specifications in your utility command to ensure that your TERMINATEDBY value is different from both your ENCLOSEDBY
and AND values. Then, ensure that your input file is compatible with the specification in your utility command. Resubmit the job.

**BMC50128E**

**LENGTH OF type STRING EXCEEDS MAXIMUM ALLOWED LENGTH OF length**

*Explanation:* While processing DDL input, the utility encountered a string constant that exceeded the maximum length that the utility grants for the string type. This error can also occur when the indicated string contains a shift-in character with no corresponding shift-out character.

For limitations regarding string constants in DDL input, see the reference manual for the utility that you are running.

*User response:* Ensure that the following conditions exist:

- The indicated string is the correct length for its type.
- You punctuated the input statement correctly.
- Any shift-in character has a corresponding shift-out character.

Resubmit the job.

**BMC50129E**

**TOKEN THAT EXCEEDS MAXIMUM SIZE CAUSED PRE-PARSER BUFFER TO OVERFLOW PAST n BYTES**

*Explanation:* The utility encountered invalid DDL syntax such as a keyword; a user token; or a character, graphic, or hexadecimal string constant that exceeds the maximum size and cannot fit into the pre-parser buffer. The utility terminated.

*User response:* Correct the DDL as follows and restart the job:

- Ensure that the DDL includes opening and closing apostrophes or opening and closing quotation marks that match.

- On a MIXED=YES system, ensure that a shift-out (X'0E') character is paired with a shift-in (X'0F') character in the first of a subsequent double-byte pair. (An X'0F' character in the second of a double-byte pair is not considered a shift-in character.)

**BMC50130E**

**rangeType RANGE VALUES start:end INVALID. RANGE VALUES MUST BE ASCENDING.**

*Explanation:* A range of values was specified in which the start value is greater than the end value. This specification is invalid. The rangeType provides additional information about the type of range that you specified. For example, a rangeType of PARTITION indicates that the PART specification of your command statement is invalid.
The utility terminated.

*User response*: Specify a range in which the *end* value is greater than or equal to the *start* value and resubmit the job.

**BMC50131E**  
'ORDER YES' OPTION REQUIRED FOR A MULTI-TABLE SEGMENTED TABLESPACE

*Explanation*: With the following exceptions, you cannot specify ORDER NO when you are reorganizing or loading a multi-table, segmented table space. The exceptions to this restriction are when you are loading a single table of a multi-table, segmented table space or when you are running an SQLAPPLY load.

*User response*: Specify ORDER YES or, for REORG PLUS users, remove the ORDER option from the command statement (to use the default of ORDER YES). Resubmit the job.

**BMC50132E**  
'ASSOCIATE BYCLUSTERKEY' CANNOT BE USED FOR A MULTI-TABLE SEGMENTED TABLESPACE

*Explanation*: You cannot specify ASSOCIATE BYCLUSTERKEY in the command statement when you are reorganizing or loading a multi-table, segmented table space. The utility terminated.

*User response*: Specify ASSOCIATE BYTABLE (or remove the ASSOCIATE option from the command statement because ASSOCIATE BYTABLE is the default for ORDER YES) and resubmit the job. For REORG PLUS users, you can alternatively remove the ORDER and ASSOCIATE options from the command statement because ORDER YES ASSOCIATE BYTABLE is the default.

**BMC50133I**  
'ORDER YES' IS MEANINGLESS FOR A SINGLE-TABLE TABLESPACE WITHOUT A CLUSTERING INDEX; CONVERTING TO ORDER NO

*Explanation*: Because you have a single-table table space with no clustering index, the utility has no sorting to perform. Therefore, ORDER YES has no meaning. The utility operates as if you specified ORDER NO.

*User response*: No action is required.

**BMC50134E**  
'ASSOCIATE BYCLUSTERKEY' IS MEANINGLESS WITHOUT ANY CLUSTERING INDEXES

*Explanation*: Because you do not have any clustering indexes, ASSOCIATE BYCLUSTERKEY has no meaning. The utility terminated.

*User response*: Specify ASSOCIATE BYTABLE (or remove the ASSOCIATE option from the command statement because ASSOCIATE BYTABLE is the default for ORDER YES) and resubmit the job. For REORG PLUS users, you can alternatively remove the ORDER and ASSOCIATE options from the command statement because ORDER YES ASSOCIATE BYTABLE is the default.
BMC50135E  'option' OPTION HAS CHANGED, BUT IS NOT ALLOWED TO CHANGE ON
RESTART OF PHASE = 'phase' FOR DDTYPE 'ddtype'

Explanation: Before restarting the job, the value of the option shown in this
message was changed. This particular option cannot change before you restart
this phase. The ddtype identifies the specification of the option that you need to
revise.

The utility terminated.

User response: Revert to the original value of the option and restart the job.

BMC50136I  DEFAULT option1 INCOMPATIBLE WITH DEFAULT option2; CHANGED TO
option3

Explanation: Two of the installation options that you specified have
incompatible values. This message displays the options and their values. The
utility changes option1 to option3 and continues processing.

User response: No action is required.

BMC50137E  'CENTURY' PARAMETER VALUES 'ccyy' AND 'ccyy' ARE INVALID

Explanation: The values that were specified with the CENTURY option on the
command or as part of the field specification are invalid. The first value is
larger than the second value, the two values do not span 100 years, or at least
one of the values specified is in an invalid format. The utility terminated
processing.

User response: Correct the values for the CENTURY option and resubmit the
job.

BMC50138I  'keywordString1' CHANGED TO 'keywordString2' DUE TO reason

Explanation: The utility changed the first combination of keywords
(keywordString1) to the second string (keywordString2) for the indicated reason.
For more information, see the description of the keywords in Chapter 3,
Chapter 4, or Appendix A of the reference manual for this utility. Processing
continues.

User response: No action is required.

BMC50138W  'keywordString1' CHANGED TO 'keywordString2' DUE TO reason

Explanation: The utility changed the first combination of keywords
(keywordString1) to the second string (keywordString2) for the indicated reason.
Processing continues, but you might not obtain the results that you want.

User response: If this change will produce results that you do not want, correct
the problem and restart or rerun the job. Otherwise, no action is required.

If the value of reason is DASD MANAGER LICENSE NOT FOUND, OR HAS
EXPIRED, ensure that your utility job includes the BMCPWD data set in the
STEPLIB. For information about how to correct the problem for other reasons,
see the keyword descriptions in Chapter 3, Chapter 4, or Appendix A of the reference manual for this utility.

**BMC50139I**  
'**option1**' IS OBSOLETE AND HAS BEEN CHANGED TO '**option2**'

*Explanation:*  The utility no longer supports `option1`. The utility uses `option2` and continues processing.

*User response:* No action is required.

**BMC50140I**  
'**keywordString1**' HAS BEEN CHANGED TO '**keywordString2**'

*Explanation:*  The keywords in `keywordString1` are not compatible. The utility uses the keywords in `keywordString2` instead and continues processing. For more information about which keywords you can specify together, see Chapter 3 of the reference manual for this utility.

*User response:* No action is required.

**BMC50141I**  
'**option**' IGNORED DUE TO explanation

*Explanation:*  The utility ignores the option for the indicated reason and continues processing. For example, REORG PLUS ignores the ANALYZE BMCSTATS option if you do not have the BMC Database Performance for DB2 solution installed.

*User response:* No action is required.

**BMC50142E**  
OUTPUT DESCRIPTOR '**descriptorName**' HAS INVALID VALUE FOR keyword

*Explanation:*  An incorrect value was specified for a keyword in the output descriptor shown in this message. The utility terminated processing.

*User response:* Correct the value for the keyword and resubmit the job.

**BMC50144E**  
OUTPUT DESCRIPTOR '**descriptorName**' DSNAME PATTERN 'pattern' CAUSES INVALID NUMBER OF DATASETS FOR TYPE dataSetType

*Explanation:*  The physical number of data sets that the utility created for the primary output descriptor does not match the physical number of data sets that the utility created for the secondary output descriptor. The utility terminated processing.

*User response:* Correct your OUTPUT statement and resubmit the job.

**BMC50146E**  
SYMBOLIC 'variable' IS INVALID IN OUTPUT DESCRIPTOR '**descriptorName**'

*Explanation:*  The utility found a symbolic variable that it does not support in the output descriptor. The utility terminated processing.

To obtain information about using symbolic variables to construct a valid data set name, see the reference manual for the utility that you are running.

*User response:* Correct the data set name value in the OUTPUT statement 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>BMC50147E</td>
<td>DSNAME TOO LONG IN OUTPUT DESCRIPTOR 'descriptorName'</td>
<td>The data set name that was constructed for the specified output descriptor exceeds the maximum number of bytes that the utility allows. The utility terminated processing.</td>
<td>Specify a shorter data set name in the command. Resubmit or restart the job.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If you used symbolic variables, the variables resolved to a data set name that is too long. For detailed information about using symbolic variables to construct a data set name for an output descriptor, see the reference manual for the utility that you are running.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>User response:</strong> Specify a shorter data set name in the command. Resubmit or restart the job.</td>
<td></td>
</tr>
<tr>
<td>BMC50148E</td>
<td>DSNAME CONFLICT BETWEEN OUTPUT DESCRIPTORS 'descriptorName1' AND 'descriptorName2' FOR DATASET TYPE dataSetType</td>
<td>When the utility resolved the data set names of two different output descriptors, the names were identical. The utility terminated processing.</td>
<td>Change the data set name of one of the output descriptors so that when the utility resolves them, each data set name is unique. Resubmit the job.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The real value of each data set name must be unique for different data set types.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>User response:</strong> Change the data set name of one of the output descriptors so that when the utility resolves them, each data set name is unique. Resubmit the job.</td>
<td></td>
</tr>
<tr>
<td>BMC50149E</td>
<td>SYMBOL 'variable' MUST BE PREFIXED BY ALPHA OR NATIONAL CHARACTER IN OUTPUT DESCRIPTOR NAME 'descriptorName'</td>
<td>A symbolic variable was specified that is not prefixed with an alphanumeric or national character, which is not valid. The utility terminated processing.</td>
<td>Use the appropriate prefix for the symbol and resubmit the job. For information about using symbolic variables to construct the data set name, see the reference manual for the utility that you are running.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>User response:</strong> Use the appropriate prefix for the symbol and resubmit the job. For information about using symbolic variables to construct the data set name, see the reference manual for the utility that you are running.</td>
<td></td>
</tr>
<tr>
<td>BMC50151E</td>
<td>UNABLE TO CONTINUE, DUPLICATE DATASET EXISTS FOR OUTPUT DESCRIPTOR 'descriptorName', DSN='dataSetName'</td>
<td>The utility found a data set name in one output descriptor that is already cataloged. The utility terminated processing.</td>
<td>Change the name of one of the data sets and resubmit the job.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>User response:</strong> Change the name of one of the data sets and resubmit the job.</td>
<td></td>
</tr>
<tr>
<td>BMC50153E</td>
<td>INVALID DSNAME 'dataSetName' BUILT FROM OUTPUT DESCRIPTOR 'descriptorName'</td>
<td>The utility determined that the data set name that was provided in the output descriptor is not valid. The utility terminated processing.</td>
<td>Ensure that the name meets operating system requirements. For information about using symbolic variables to construct the data set name, see the reference manual for the utility that you are running.</td>
</tr>
</tbody>
</table>


BMC50154E  INVALID UNIT 'unitName' SPECIFIED IN OUTPUT DESCRIPTOR NAME 'descriptorName'
Explanation:  A device type (disk or tape) was specified that the utility does not support for dynamic allocation. The utility terminated processing.
User response:  Correct the syntax and resubmit the job.

BMC50155E  NUMBER OF VOLUMES (n) EXCEEDS VOLCNT (n) FOR OUTPUT DESCRIPTOR 'descriptorName'
Explanation:  The number of volumes that the utility processed for the dynamically allocated data set exceeded the number of volumes that was specified for the integer in the VOLCNT option. The value for VOLCNT must be large enough to accommodate the number of volumes that the utility produces for the single largest data set.
User response:  Increase the VOLCNT value and resubmit the job.

BMC50156E  SMS ERROR ON DESCRIPTOR descriptorName RETURN CODE returnCode REASON CODE reasonCode
Explanation:  An SMS error occurred when the utility attempted to retrieve SMS values from the SMS subsystem. This message shows the return code number and the SMS reason code.
User response:  The SMS return and reason codes are described in the IBM DFSMS documentation. Use the SMS return code and the reason code shown in this message to determine and fix the cause of the problem. Resubmit the job.

BMC50157I  FOR DESCRIPTOR descriptorName, DATASET dataSetName WILL BE SMS MANAGED
Explanation:  The utility determined that SMS will manage the data set that will be dynamically allocated. Message BMC50158I follows this message.
User response:  No action is required.

BMC50158I  DATACLAS dataClass MGMTCLAS managementClass STORCLAS storageClass
Explanation:  The utility determined that SMS will manage the data set that will be dynamically allocated. This message lists the SMS classes that the system Automatic Class Selection (ACS) routines supplied.
User response:  No action is required.

BMC50159I  STORAGE GROUP storageGroupName
Explanation:  This message shows the name of the SMS storage group that the utility is processing.
User response:  No action is required.
BMC50164W  NO STORAGE GROUP CONTAINS $n$ MB, USING AVAILABLE SPACE FROM
STORGROUP storageGroupName

Explanation: The utility determined that none of the storage groups that the
system returned contain sufficient space for the file that the previous message
(BMC50157I) shows. The utility will base its space calculations on the first
eligible storage group.

User response: No action is required.

BMC50165I  PRIMARY SPACE $p$ RECORDS SECONDARY SPACE $s$ RECORDS ON $u$
UNITS SELECTED FOR STORGROUP storageGroupName

Explanation: The utility used the space available in storage group
storageGroupName to calculate the number of primary and secondary records
and the number of units that are required for the data set.

User response: No action is required.

BMC50166W  NUMBER OF UNITS REQUIRED IS $r$ BUT RESTRICTED BY UNIT COUNT OR
VOLUMES OF $n$

Explanation: The utility calculated that it needs the indicated number of units
($r$) to accommodate the data set for SMS dynamic allocation. However, either
UNITCNT= $n$ was specified or volume serial numbers were specified, limiting
the number of units that the utility can use. The utility proceeds with allocation
and issues message BMC50165I.

User response: No action is required.

BMC50167E  INSUFFICIENT PRIMARY SPACE AVAILABLE TO ALLOCATE PCTPRIM OF
percent REQUIRED $r$ MB AVAILABLE $a$ MB

Explanation: The utility calculated that it needs $r$ megabytes for the primary
extent for the PCTPRIM parameter, but the largest available extent is only $a$
megabytes. The utility job terminated.

When you are running UNLOAD PLUS and the unload data set record length
is greater than half a track, the value that this message shows for the required
amount of space does not include unused space in a track.

User response: Either reduce the PCTPRIM value or remove the option, and
resubmit the job.

BMC50170E  NO STORAGE GROUP CONTAINS ANY USABLE SPACE

Explanation: After collecting all information for the storage group, the utility
determined that none of the storage groups that the Automatic Class Selection
(ACS) routines returned have any usable space.

User response: Consult the SMS or DASD administrator at your site.
**BMC50171E**  **DATACLASS dataClass SPECIFIES VSAM EXTENDED ADDRESSABILITY WHICH WILL CAUSE ALLOCATION TO FAIL**

*Explanation:* While attempting to dynamically allocate a sequential file, the utility determined that the data class that was implicitly or explicitly specified contains the VSAM extended addressability attribute. This attribute causes allocation of a sequential file to fail. The utility ends allocation and the job terminates.

*User response:* Specify a different data class and resubmit the job.

**BMC50172E**  **dataSetSpace EXCEEDS 2097152 MB**

*Explanation:* The utility determined that the space that it requires for a data set exceeds 2 terabytes. The utility job terminated.

*User response:* Move the data set to tape and resubmit the job.

**BMC50173E**  **PARAMETER "parameterName" NOT VALID WITH reorganizationType**

*Explanation:* LAST was specified with the PART command option; however, LAST is valid only when you are reorganizing a partition-by-growth table space. LAST is not valid for an index-only reorganization or a table space reorganization of a range-partitioned table space.

*User response:* Remove LAST, specify a partition number, and resubmit the job.

**BMC50174E**  **CANNOT EXTEND PARTITION-BY-GROWTH TABLESPACE databaseName.tableSpaceName BECAUSE explanation (RSN=reasonCode)**

*Explanation:* The utility reached the specified partition limit and cannot extend the object with additional partitions. One of the following reason codes is displayed in this message:

<table>
<thead>
<tr>
<th>Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>The object has reached the maximum number of partitions defined by the DB2 MAXPARTITIONS parameter.</td>
</tr>
<tr>
<td>8</td>
<td>(REORG PLUS only) The object has reached the limit of new partitions specified in the MAXNEWPARTS option.</td>
</tr>
<tr>
<td>12</td>
<td>(REORG PLUS only) The partition range that was specified with the PART option does not include the last partition in the table space.</td>
</tr>
</tbody>
</table>

*User response:* Complete one of the following actions depending on the utility that you are running. If you need additional assistance, contact BMC Customer Support.

- For LOADPLUS, if the value of MAXPARTITIONS is less than 4096, alter the table space to increase the value. Resubmit the job.

- For REORG PLUS, the recommended response depends on the type of reorganization you are running:
For a single-phase SHRLEVEL NONE reorganization, either decrease PCTFREE or FREEPAGE or increase MAXROWS, and then restart the job.

For a single-phase reorganization with any SHRLEVEL value except NONE, or for any two-phase reorganization, run a new REORG PLUS job with decreased values for PCTFREE or FREEPAGE or increased values for MAXNEWPARTS or MAXPARTITIONS.

**BMC50175I** PARTITION partitionNumber variableText ADDED TO PARTITION BY GROWTH OBJECT databaseName.tableSpaceName

*Explanation:* A new physical or logical partition has been added to the specified object, either by the utility or by DB2, as follows:

- No variable text: REORG PLUS and LOADPLUS issue this variation of the message when they add a new physical partition.
- DB2 (REORG PLUS only): REORG PLUS issues this variation of the message when you are running a SHRLEVEL CHANGE reorganization and REORG PLUS detects that DB2 added a partition.
- LOGICALLY (LOADPLUS only): LOADPLUS issues this variation of the message when it adds a logical partition during the PRELOAD phase.

*User response:* No action is required.

**BMC50176I** PARTITION BY GROWTH OBJECT database.tableSpace MAY NEED n ADDITIONAL PARTITIONS

*Explanation:* The utility has determined that the partition-by-growth table space on which it is operating might need additional partitions. This message indicates how many partitions the utility might add during processing.

*User response:* No action is required.

**BMC50177I** ATTRIBUTE attributeName ALTERED BEFORE RESTART -- ALTER IGNORED; ORIGINAL VALUE attributeValue USED

*Explanation:* If you change the value of the MAXPARTITIONS option after a failed job and before restarting the job, REORG PLUS ignores the change to MAXPARTITIONS and continues processing using the original value.

*User response:* No action is required.

**BMC50178E** DSNUTILB IS REQUIRED BUT PRECLUDED FROM RUNNING. REASON reason

*Explanation:* You are using a feature that requires that the utility invoke DSNUTILB. However, your JCL specifies a utility option or parameter that is not valid when the utility invokes DSNUTILB. The utility terminated.
details about these restrictions, see the reference manual for the utility that you are running.

**User response:** Correct your utility command or JCL, or change the type of object on which you are operating so that the utility does not invoke DSNUTILB. Resubmit your job.

**BMC50179E**

**USING DSNUTILB REQUIRES ACTIVE YES TO BE SET FOR ALL FILE DDTYPES THE JOB USES. ddtype FOUND SET TO ACTIVE NO**

**Explanation:** You are using a feature that requires that the utility invoke DSNUTILB. However, you have not enabled dynamic allocation for all data sets that the utility job needs, which is required for a DSNUTILB job. The message lists the first data set for which the utility found ACTIVE set to NO.

The utility terminated.

**User response:** Activate dynamic allocation for all data sets that your job requires and resubmit your job, or change the type of job that you are running so that the utility does not invoke DSNUTILB.

**BMC50181E**

**TO RUN DSNUTILB, DYNAMIC ALLOCATION MUST BE ACTIVE FOR DDTYPE LOCPFCPY WHEN COPY YES IS SPECIFIED**

**Explanation:** You are using a feature that requires that the utility invoke DSNUTILB and you specified COPY YES. However, you did not enable dynamic allocation for the local primary copy data set (DDTYPE LOCPFCPY), which is required in this case.

The utility terminated.

**User response:** Activate dynamic allocation for at least the LOCPFCPY DDTYPE and resubmit your job, or change the type of object on which you are operating so that the utility does not invoke DSNUTILB.

**BMC50191W**

**ERROR PARSING TABLE CHECK CONSTRAINT: constraintName**

**Explanation:** The utility cannot parse the check constraint. The text of the table check constraint immediately follows this message. The utility might have encountered conditions that it does not allow when parsing table check constraints. An @ sign is displayed under the symbol that caused the parsing error. Processing continues as though you had specified ENFORCE NO, and the utility sets CHECK pending (CHKP) if applicable.

A previous message usually describes the error.

**User response:** If you received this message when running CHECK PLUS, run the IBM CHECK DATA utility to remove the CHKP status. If you received this message when running any other utility, run the CHECK PLUS or the IBM CHECK DATA utility to remove the CHKP status. Resubmit the job, if required.
BMC50192I 'keywordString1' CHANGED TO 'keywordString2' DUE TO reason FOR PART partitionNumber

Explanation: The utility changed the first combination of keywords (keywordString1) to the second string (keywordString2) for the indicated reason. For more information, see the description of the keywords in Chapter 3 or in Appendix A of the reference manual for this utility. Processing continues.

User response: No action is required.

BMC50193W UNEXPECTED END-OF-LINE REACHED IN CHECK CONSTRAINT

Explanation: The utility encountered an unexpected end-of-line while processing table check constraints. Processing continues, but the utility does not check table check constraints and sets the status to CHECK pending (CHKP). (For LOADPLUS users, LOADPLUS sets CHKP only when the value of the CHECKPEND option is YES.)

User response: If you received this message when running CHECK PLUS, run the IBM CHECK DATA utility to remove the CHKP status. If you received this message when running any other utility, run CHECK PLUS or the IBM CHECK DATA utility to remove the CHKP status. Correct the problem and resubmit the job, if required.

BMC50194W COLUMN 'columnName1' AND COLUMN 'columnName2' DO NOT HAVE IDENTICAL COLUMN DEFINITIONS

Explanation: Two columns have table check constraints defined but their column definitions are not identical. Processing continues, but the utility does not check table check constraints and sets the status to CHECK pending (CHKP). (For LOADPLUS users, LOADPLUS sets CHKP only when the value of the CHECKPEND option is YES.)

User response: Run CHECK PLUS or the IBM CHECK DATA utility to remove the CHKP status. Correct the problem and resubmit the job, if required.

BMC50195E SCALE IS NOT ALLOWED FOR 'columnName' BECAUSE IT REFERENCES A DECFLOAT COLUMN

Explanation: You included the SCALE option on a field specification for a column that is defined with the DECFLOAT data type. The utility terminated.

User response: Correct your field specification and resubmit the job.

Messages BMC50200 through BMC50299

For the Utility products for DB2, this topic explains each message in the designated range.
BMC50201S  CAF ERROR RC = returnCode, REASON = X'reasonCode': explanation

Explanation: This message usually accompanies a preceding message and provides more specific information about a DB2 call attachment facility (CAF) error. The following list describes some of the most likely explanations:

■ The plan is not bound on the specified DB2 subsystem.

■ You are not authorized to run the plan.

■ The maximum number of threads has been reached.

■ The CAF release level does not match the release level of the DB2 subsystem.

The utility terminated processing.

User response: Check the IBM DB2 messages and codes documentation for an explanation of the indicated reason code. Correct the problem and resubmit or restart the job.

BMC50201W  CAF ERROR RC = returnCode, REASON = X'reasonCode': explanation

Explanation: This message provides more specific information about a DB2 call attachment facility (CAF) error. For BMCDSN users, if you receive this message with RC=4, REASON=X'00C10823' and receive the explanation RELEASE LEVEL MISMATCH BETWEEN DB2 AND THE CAF CODE, this message is only a warning, and processing continues.

User response: No action is required.

BMC50202S  DB2 IS NOT OPERATIONAL

Explanation: The DB2 subsystem is not currently active. For more information, see message BMC50201S.

User response: Resubmit the job when the DB2 subsystem becomes active.

BMC50203S  CANNOT CONNECT TO DB2 - module APIMessage

Explanation: The utility cannot connect to the DB2 subsystem. For all utilities except BMCDSN, the message text provides additional information about the connection problem. For BMCDSN, see message BMC50201S for more information.

User response: Correct the problem and resubmit the job.

BMC50204S  CANNOT OPEN PLAN 'planName'

Explanation: The utility cannot open the plan. The following list describes some of the reasons that you might receive this message:

■ The plan is not bound on the DB2 subsystem.
You are not authorized to run the plan.

The maximum number of threads has been reached.

The utility terminated processing.

If you also received message BMC50201S, it provides additional information to help diagnose this error.

User response: Correct the appropriate problem, based on this message and BMC50201S, and resubmit the job.

**BMC50205S**  
**UNEXPECTED SQL ERROR. SQLCODE = SQLCode, STMTID = ‘statementID’**

Explanation: The utility encountered an unexpected SQL error. The SQL statement is uniquely identified by statementID. The utility terminated processing.

For more information, see accompanying message BMC50207I.

User response: In many instances, the utility automatically retries 911 and related timeout-due-to-deadlock errors. If you understand the problem (for example, an SQL timeout error), correct the problem and restart the job.

**BMC50206S**  
**DSNTIAR RETURNED WITH RC = returnCode**

Explanation: An SQL error occurred and DB2's message format routine (DSNTIAR) was invoked to format information from the SQL communication area (SQLCA). However, DSNTIAR returned a nonzero return code.

User response: See message BMC50205S for the SQLCODE. If you cannot determine the error from this information, contact BMC Customer Support.

**BMC50207I**  
**DSNTIARMessage**

Explanation: This message is returned from DB2's message format routine (DSNTIAR).

User response: For more information, see the IBM DB2 messages and codes documentation.

**BMC50208S**  
**DB2 COMMAND ‘command’ RC = returnCode, REASON CODE = reasonCode**

Explanation: The DB2 command shown in this message returned a nonzero return code. The utility terminated processing.

User response: Resubmit the job. If the job fails again, contact BMC Customer Support.
### BMC50209I messageText

**Explanation:** The text of this message is generated by a non-BMC program that the currently running utility invokes.

**User response:** For information, see the appropriate product's messages and codes documentation.

### BMC50210E UNSUPPORTED COLUMN TYPE OF 'columnType' FOR COLUMN 'columnName', TABLE 'tableCreator.tableName'

**Explanation:** This version of the utility does not support the column type for this column. The utility terminated processing.

**User response:** If the wrong column was specified, correct the column and resubmit the job.

### BMC50211E [condition] objectType 'objectName' DOES NOT EXIST

**Explanation:** The object that was specified does not exist. The utility terminated processing.

The most likely reason for receiving this message is that the object that was specified on the utility command does not exist. However, you might also receive this message for one of the following reasons:

- The BMC common utility tables were not installed correctly.
- One of the utility's synonyms was renamed.
- An unsupported object type is participating in the utility operation (for example when you are unloading from a view that points to a global temporary table).
- You specified an option that indicates that a particular type of object should exist (for example, CLONE), but the object does not exist.

**User response:** Ensure that the object is spelled correctly on the utility command and that the correct DB2 subsystem ID was specified. Otherwise, correct the problem based on the information in the explanation for this message. Resubmit the job.

### BMC50212E objectType 'objectName' IS NOT PARTITIONED

**Explanation:** The PART keyword was specified, but the table space or index that was specified is not partitioned. The utility terminated processing.

**User response:** Ensure that the correct table space or index and the correct DB2 subsystem ID are specified. Resubmit the job.
BMC50213E  objectType 'objectName' DOES NOT HAVE A PARTITION NUMBER
partitionNumber

Explanation: The PART keyword option with the indicated partition number was specified, but the table space or index that was specified does not have this partition. The utility terminated processing.

User response: Ensure that the correct table space or index, correct partition numbers, and DB2 subsystem ID are specified. Resubmit the job.

BMC50214E  NO CLUSTER INDEX DEFINED FOR PARTITIONED TABLESPACE
'databaseName.tableSpaceName'. PROCESSING TERMINATED

Explanation: A partitioned table space was specified that either does not have a table defined or does not have a clustering index defined. The utility terminated processing.

User response: Define the table or clustering index and resubmit the job.

BMC50215E  TABLE 'tableCreator.tableName' HAS A PRIMARY KEY, BUT NO UNIQUE INDEX HAS BEEN CREATED FOR THE PRIMARY KEY

Explanation: A table that has a primary key defined was specified, but no unique index exists for the primary key. The utility terminated processing.

User response: Ensure that the correct unique index for the primary key is created and resubmit the job.

BMC50216E  TABLE 'tableCreator1.tableName1' and TABLE 'tableCreator2.tableName2' DO NOT RESIDE IN THE SAME TABLESPACE

Explanation: The utility cannot perform the action on the requested tables because they do not reside in the same table space. The utility terminated processing.

User response: Ensure that the correct table names are specified and that they are in the same table space. Resubmit the job.

BMC50217E  TABLESPACE 'databaseName.tableSpaceName' DOES NOT CONTAIN TABLE 'tableCreator.tableName'

Explanation: The indicated table space does not contain the table that was specified in the SELECT, DELETE, or UPDATE option. The utility terminated processing.

User response: Ensure that the correct table or table space names are specified and resubmit the job.

BMC50218E  TABLE 'tableCreator.tableName' DOES NOT CONTAIN COLUMN 'columnName'

Explanation: The indicated table does not contain the column that was specified in the command and the utility terminates processing.

User response: Ensure that the correct column or table was specified. Then, resubmit the job.
TABLE ‘tableCreator.tableName’ DOES NOT CONTAIN COLUMN ‘columnName’

Explanation: A check constraint on the indicated table specifies a column that the table does not contain. The utility continues processing, but does not process any check constraints.

User response: See any additional associated messages for the correct response.

TABLE ‘tableCreator.tableName’ HAS ONE OR MORE UNIQUE CONSTRAINTS, BUT NOT ALL UNIQUE INDEXES HAVE BEEN CREATED

Explanation: The table has one or more unique constraints, but not all of the required unique indexes exist. The utility terminated processing.

User response: Create unique indexes for all unique constraints and resubmit the job.

STOGROUP ‘storageGroupName’ DOES NOT CONTAIN ANY VOLUMES

Explanation: No volumes are specified in the indicated storage group. The utility terminated processing.

User response: Ensure that the storage group for the table space has volumes and resubmit the job.

DB2 OBJECT DEFINITION(S) HAVE CHANGED PRIOR TO UTILITY RESTART. UNABLE TO PROCEED

Explanation: The utility detected that DB2 internal identifiers have changed since the initial execution of the utility. The utility is unable to proceed.

User response: Terminate the utility and take any other actions to make the affected DB2 objects usable. To determine whether the objects are usable, see the reference manual for the utility that you are running.

TABLE tableCreator.tableName DEFINITION IS INCOMPLETE: explanation

Explanation: The table on which the utility is operating is missing a required object, such as an auxiliary table or index. The explanation provides information about this missing object.

The utility terminated processing.

User response: Complete the definition of the table to include the required object. Resubmit the utility job.
**BMC50223E**  
Query query returned a character that could not be converted and that was replaced with a substitution character.

*Explanation:* The query contains a substitution character for a Unicode character that cannot be represented in EBCDIC. The character cannot be converted back to Unicode, and the job ends with return code 8.

*User response:* You cannot run the utility on the specified object. If you must run the utility on the object, first change the name of the object and then resubmit the job.

**BMC50224E**  
The supplied value is longer than allowed for this version of DB2. Table tableCreator.tableName

*Explanation:* The value indicated in the message is longer than the version of DB2 that you are running supports.

*User response:* Correct the value and resubmit the job.

**BMC50225E**  
Partition added by DB2 before point of consistency established. Partitions at utility start: numberOfPartitions

*Explanation:* DB2 added a partition to a partition-by-growth table space after the utility retrieved the object definition from the DB2 catalog or DBD, but before the utility established a point of consistency.

*User response:* Rerun the utility job.

**BMC50226E**  
Retry count exhausted

*Explanation:* This message follows message BMC50242I if all of the retry attempts failed.

*User response:* Contact BMC Software Customer Support.

**BMC50227E**  
PRIQTY/SECQTY have changed for 'dataSetName' (PRIQTY + 123 * SECQTY < multi-DS boundary)

*Explanation:* When restarting, the utility detected a change in PRIQTY, SECQTY, or both for the indicated data set. When the utility was initially started, it determined that this data set needed to be a multi-data-set object. The multi-data-set definition requirement is either 2 gigabytes (the traditional size for a multi-data-set object) or PIECESIZE (if this index is nonpartitioned).

The utility terminated processing.

*User response:* If the object is a traditional multi-data-set object, change the PRIQTY or SECQTY (or both) for the data set or corresponding DB2 object so that PRIQTY + 123 * SECQTY is greater than or equal to 2 gigabytes and restart the utility.

If the object is an index that is defined with PIECESIZE, the utility will not recognize a change in PIECESIZE between phases. Change the PRIQTY or
SECQTY (or both) so that PRIQTY + 123 * SECQTY is greater than or equal to the PIECESIZE value that was in effect when the utility initially started.

**BMC50228E**

'BobjectCreator.objectName' IS NOT A LOCAL DB2 OBJECT

*Explanation:* The utility attempted to operate on an object based on an alias that defines the object on a foreign DB2 subsystem. The utility can process only local objects and, therefore, terminates processing.

*User response:* Change the utility command to operate on a supported object and restart the job.

**BMC50229E**

VIEW DEFINITION FOR VIEW 'viewCreator.viewName' NOT SUPPORTED, REASON CODE=reasonCode

*Explanation:* The utility encountered an unsupported view definition for the reason code shown in this message. The following table describes the reason codes that might be displayed with this message:

<table>
<thead>
<tr>
<th>Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DISTINCT keyword specified in view subselect</td>
</tr>
<tr>
<td>2</td>
<td>Join specified in view subselect</td>
</tr>
<tr>
<td>3</td>
<td>WHERE clause specified in view subselect</td>
</tr>
<tr>
<td>4</td>
<td>GROUP BY clause specified in view subselect</td>
</tr>
<tr>
<td>5</td>
<td>HAVING clause specified in view subselect</td>
</tr>
<tr>
<td>6</td>
<td>View column derived from a function or expression</td>
</tr>
<tr>
<td>7</td>
<td>UNION specified in view fullselect</td>
</tr>
</tbody>
</table>

*User response:* Use a view that does not violate the restrictions indicated by the reason codes, or unload the data directly from the table that the view references.

**BMC50230E**

UNSUPPORTED TABLESPACE TYPE 'tableSpaceType' for 'databaseName.tableSpaceName'

*Explanation:* The utility attempted to run on a table space that is defined with the indicated type, which the utility does not support. The utility terminated processing.

*User response:* If the wrong table space was specified, correct the command and resubmit the job.
BMC50231S  CANNOT LOAD EDITPROC 'editProcedure', TABLE = 'tableCreator.tableName'

Explanation: The utility attempted to load the EDITPROC but could not find it, or the utility did not have enough memory to load the EDITPROC. The utility terminated processing.

User response: Ensure that the module is available in your LINKLIST, JOBLIB, or STEPLIB. The module is usually found in the load library ssid.DSNEXIT. Ensure that you specified a large enough region size. Correct the problem and resubmit the job.

BMC50232S  CANNOT LOAD VALIDPROC 'validationProcedure', TABLE = 'tableCreator.tableName'

Explanation: The utility attempted to load the validation routine but could not find it, or the utility did not have enough memory to load the VALIDPROC. The utility terminated processing.

User response: Ensure that the module is available in your LINKLIST, JOBLIB, or STEPLIB. The module is usually found in the load library ssid.DSNEXIT. Ensure that you specified a large enough region size. Correct the problem and resubmit the job.

BMC50233S  CANNOT LOAD FIELDPROC 'fieldProcedure', TABLE = 'tableCreator.tableName', COLUMN = 'columnName'

Explanation: The utility attempted to load the FIELDPROC but could not find it, or the utility did not have enough memory to load the FIELDPROC. The utility terminated processing.

User response: Ensure that the module is available in your LINKLIST, JOBLIB, or STEPLIB. The module is usually found in the load library ssid.DSNEXIT. Ensure that you specified a large enough region size. Correct the problem and resubmit the job.

BMC50234S  CANNOT LOAD DATE/TIME ROUTINE 'routineName'

Explanation: The utility attempted to load the indicated routine but could not find it, or the utility did not have enough memory to load the routine. The utility terminated processing.

User response: Ensure that the module is available in your LINKLIST, JOBLIB, or STEPLIB. The module is usually found in the load library ssid.DSNEXIT. Ensure that you specified a large enough region size. Correct the problem and resubmit the job.

BMC50235E  EDITPROC 'editProcedure' RETURN CODE = returnCode, REASON CODE = reasonCode

Explanation: The EDITPROC returned a nonzero return code. The utility terminated processing.

User response: Contact the author of the EDITPROC to correct the problem. (The EDITPROC is not part of the utility product.) Resubmit the job if appropriate.
**BMC50236E**  
**EDITPROC 'editProcedure' HAS MODIFIED STORAGE BEYOND THE END OF THE OUTPUT AREA**  

*Explanation:* The EDITPROC encountered an error. The utility terminated processing. For more information, see DB2 reason code 00C90103 in the IBM DB2 messages and codes documentation.  

*User response:* Contact the author of the EDITPROC to correct the problem. (The EDITPROC is not part of the utility product.) Resubmit the job if appropriate.  

---  

**BMC50237E**  
**EDITPROC 'editProcedure' RETURNED LENGTH = length; EXPECTING LENGTH <= THE MAXIMUM ROW LENGTH**  

*Explanation:* The EDITPROC encountered an error. The utility terminated processing. For more information, see DB2 reason code 00C90103 in the IBM DB2 messages and codes documentation.  

*User response:* Contact the author of the EDITPROC to correct the problem. (The EDITPROC is not part of the utility product.) Resubmit the job if appropriate.  

---  

**BMC50238E**  
**DATE/TIME ROUTINE 'routineName' RETURN CODE = returnCode, REASON CODE = reasonCode**  

*Explanation:* The routine returned a nonzero return code. The utility terminated processing.  

*User response:* Contact the author of the routine to correct the problem. (The date/time routine is not part of the utility product.) Resubmit the job if appropriate.  

---  

**BMC50239E**  
**FIELDPROC 'fieldProcedure' RETURN CODE = returnCode, REASON CODE = reasonCode, MESSAGE TOKEN = 'text'**  

*Explanation:* The FIELDPROC returned a nonzero return code. The utility terminated processing.  

*User response:* Contact the author of the FIELDPROC to correct the problem. (The FIELDPROC is not part of the utility product.) Resubmit the job if appropriate.  

---  

**BMC50240E**  
**VALIDPROC 'validationProcedure' RETURN CODE = returnCode, REASON CODE = reasonCode**  

*Explanation:* The VALIDPROC returned a nonzero return code. The utility terminated processing.  

*User response:* Contact the author of the VALIDPROC to correct the problem. (The VALIDPROC is not part of the utility product.) Resubmit the job if appropriate.  

---  

**BMC50241I**  
**CANNOT LOAD DB2 AUTHORIZATION EXIT 'DSNX@XAC', USING DB2 CATALOG FOR UTILITY AUTHORIZATION**  

*Explanation:* The utility attempted to load the DB2 security exit but could not find it, or memory was insufficient to load the exit. The utility should find this
exit even if the utility is not actively using the exit for DB2 security authorization. However, the utility continues processing.

User response: Ensure that the module is available in your LINKLIST, JOBLIB, or STEPLIB. The module is usually found in the load library ssid.DSNEXIT. Ensure that you specified a large enough region size. Correct the problem and resubmit the job if necessary.

**BMC50242I**  
**WILL RETRY n MORE TIMES**  
*Explanation:* The utility was unable to complete the operation identified in preceding messages. The utility retries the operation until it reaches the number of retries specified in the SQLRETRY installation option.  
*User response:* No action is required.

**BMC50244I**  
**PROCESSING PAGESET DBID(dbid) PSID(psid) PART(partitionNumber) THAT MIGHT CONTAIN VERSIONED DATA**  
*Explanation:* The utility is processing an object that might contain table rows that are not at the current version. This message provides diagnostic information for message BMC50246S.  
*User response:* No action is required.

**BMC50245I**  
**REGISTERING type PAGE - pageNumber FOR DBID(dbid) PSID(psid)**  
*Explanation:* The utility is processing an object that might contain table rows that are not at the current version. This message provides diagnostic information for message BMC50246S.  
*User response:* No action is required.

**BMC50246S**  
**UNABLE TO PROCESS ROW recordID FOR OBID obid. REASON: explanation**  
*Explanation:* The utility was unable to process the row. This error usually occurs for one of the following reasons:

- The utility expected the row to be at the current version of the table.
- The utility was unable to convert the row's version to the current version of the table.

The utility terminated processing.  
*User response:* Contact BMC Customer Support and provide the information in this message and any preceding diagnostic messages such as BMC50244I and BMC50245I.
taskNumber: PAGE pageNumber IN 'dataSetName' HAS PGLOGRBA rba/lrsn WHICH IS GREATER THAN THE CONSISTENCY RBA, FAILURE IN SNAPSHOT

Explanation: The software snapshot function of XBM or SUF failed to provide a consistent copy of the object. The utility terminated processing.

User response: If you are in a data sharing environment, ensure that each active DB2 member of the data sharing group in which you are running also has an active XBM subsystem. Each active XBM subsystem must be joined to the same XBM group. After you have established the correct XBM environment, resubmit the job. If your XBM environment is correct and you still receive this message, contact BMC Customer Support.

If you are not running in a data sharing environment, contact BMC Customer Support.

taskNumber: PAGE pageNumber IN 'dataSetName' IS A ZERO PAGE

Explanation: While attempting to read a data page from the indicated data set in a nonsegmented table space, the utility encountered a page (pageNumber) numbered zero. The task number identifies the task that is associated with the error.

User response: No action is required. The utility continues normal execution.

taskNumber: PAGE pageNumber PGCOMB INCONSISTENT WITH TRAILER BYTE

Explanation: The utility found that the PGCOMB field is inconsistent with the page trailer byte for the specified page, indicating that the page might not have been successfully written. The indicated page number is the physical page for which the inconsistency occurred.

User response: Recover the table space and resubmit your job.

THE HEADER PAGE INDICATES THE objectType objectName IS status, BUT THE CATALOG SAYS IT IS status

Explanation: Status information on the object’s header page does not match the information in the DB2 catalog. This error occurs, for example, when the following information does not match:

- compression status
- table space type

This error usually occurs when DSN1COPY was used to copy data into a table space that is not defined in the same way as the table space from which the data was copied.

User response: Verify the information (for example, table space type or compression definition) that was specified when the table space or index space was created. Recover the object.
**BMC50251S**

`taskNumber: PAGE pageNumber IN 'dataSetName' IS UNRECOGNIZABLE, DATA = 'X' data`

*Explanation:* The utility encountered a page (`pageNumber`) that it did not expect. This problem might be due to an inline or incremental copy issue. The task number identifies the task that is associated with the error. The data that this message displays is nine bytes long, starting at offset X'08' in the page. The page number includes settings of high-order bits for individual partitions in a partitioned table space.

*User response:* For utilities that support this syntax, specify the INFILE `ddname` FULL INLINE YES option for inline copies or the INFILE `ddname` INCREMENTAL option of incremental copies, and resubmit the job. Otherwise, if you have determined that the DB2 data set does not contain any errors, contact BMC Customer Support.

**BMC50252S**

`taskNumber: PAGE pageNumber IN 'dataSetName' IS BROKEN`

*Explanation:* The utility encountered a page that is marked broken. The task number identifies the task that is associated with the error.

*User response:* Recover the table space and resubmit the job.

**BMC50253S**

`taskNumber: DBID 'dbid' AND/OR PSID 'psid' DO NOT MATCH THOSE FOUND IN DATASET 'dataSetName'`

*Explanation:* The database identifier (DBID) and the page set identifier (PSID) do not match the identifiers in the indicated data set. The task number identifies the task that is associated with the error.

*User response:* If you use DSN1COPY, ensure that the data set was recovered correctly and that the DBID and the object IDs were not changed. For REORG PLUS and UNLOAD PLUS users, if you receive this message and want to restart the job without making any changes, specify the ON MESSAGE option for this message and restart the job.

**BMC50253I**

`taskNumber: DBID 'dbid' AND/OR PSID 'psid' DO NOT MATCH THOSE FOUND IN DATASET 'dataSetName'`

*Explanation:* The database identifier (DBID) and the page set identifier (PSID) do not match the identifiers in the indicated data set. The task number identifies the task that is associated with the error. For REORG PLUS users, REORG PLUS resets the DBIDs and PSIDs to match the identifiers that are in the catalog.

*User response:* No action is required.

**BMC50254S**

`taskNumber: UNEXPECTED EOF (PAGE= pageNumber) IN DATASET 'dataSetName'`

*Explanation:* The utility encountered an end-of-file (EOF) when it expected more data. The task number identifies the task that is associated with the error.
For LOADPLUS and REORG PLUS, if the job terminates during ANALYZE processing, this message might indicate that some system pages have not been externalized.

For REORG PLUS users, receiving this message might have one of the following explanations:

- If REORG PLUS terminates during ANALYZE processing for a table space reorganization with ANALYZE, ANALYZE ONLY, or ANALYZE PAUSE specified, this message might indicate that an index space does not contain valid DB2 pages.

- If REORG PLUS terminates during UNLOAD phase processing, this message might indicate that the primary (PRIQTY) or secondary (SECQTY) quantity for the table space or index space was altered before the reorganization began. This alteration makes the multi-data-set table space or index space a nonmulti-data-set table space or index space.

User response: For LOADPLUS and REORG PLUS users, if you receive this message during ANALYZE processing, try resubmitting the job. If the problem continues, consider running a QUIESCE on the object to force externalization of all system pages, and resubmit the job. If the problem continues, the message indicates a different problem.

For REORG PLUS users who receive this message due to changing PRIQTY and SECQTY, ALTER the PRIQTY and SECQTY values back to the original values to create a multi-data-set table space or index space and restart the reorganization.

For other scenarios, the table space or index might be in error and you might need to recover the object. For REORG PLUS and UNLOAD PLUS users, if you receive this message and want to restart the job without making any changes, specify the ON MESSAGE option for this message and restart the job. For an index space reorganization, consider an appropriate recovery scenario.

**BMC50255S**  
**taskNumber**: DATASET ‘**dataSetName**’ DOES NOT CONTAIN AN INDEX

**Explanation**: The data set does not contain a DB2 index. The task number identifies the task that is associated with the error.

**User response**: If you use DSN1COPY, ensure that the data set was recovered correctly. If you understand the problem, correct it and restart the job. For more help, contact BMC Customer Support.

**BMC50256S**  
**taskNumber**: A KEY OR RID MISMATCH WAS FOUND FOR INDEX ‘**indexCreator.indexName**’, KEY = X’**key**’. "REBUILD INDEX" MAY BE REQUIRED

**Explanation**: The utility attempted to use one or more partitions of a partitioned table space that required the utility to update corresponding entries
in the indicated index. However, either too few or too many key/RID pairs were found in the index for the specified partitions.

*User response:* Rebuild the index after the partitions are successfully reloaded.

**BMC50258E**

*taskNumber: A DUPLICATE KEY VALUE HAS BEEN DETECTED IN UNIQUE INDEX 'indexCreator.indexName', RID = X'recordID',*

*Explanation:* If this error results in a return code 8, the utility detected a duplicate key during the index build process. The utility builds the index using only the first RID of the duplicate keys and places the index in recover pending (RECP) status. The rows corresponding to the duplicate key entries remain in the table space. Message BMC50259E follows this message and provides the affected key.

For LOADPLUS users, this message indicate that LOADPLUS detected a duplicate key during the LOAD or COMBINED phase. If you receive a return code 0, LOADPLUS deleted the duplicate keys and their corresponding table space rows and wrote the duplicates to SYSERR.

*User response:* For REORG PLUS users, consider an appropriate recovery scenario.

For LOADPLUS users, if you receive a return code 8, either reload the data correctly (use UNIQUECHECK YES or correct your input data) or recover the table space and indexes.

For LOADPLUS users, if you receive a return code 0, LOADPLUS deleted your duplicates; therefore, LOADPLUS did not load some of the data that you expected it to load. This message and message BMC50259E provide information to help you identify the duplicate key and table space rows.

**BMC50259E**

*KEY = X'key'*

*Explanation:* This message provides the affected key for the error described in message BMC50258E.

*User response:* See the user response for message BMC50258E.

**BMC50260E**

*SPACE 'databaseName.spaceName' IS NOT STARTED ACCESS(RO)*

*Explanation:* When you restarted the utility, it determined that the space was not started in ACCESS(RO) state, as it should have been.

*User response:* If you are sure that no changes have been made to the space or associated objects (such as dropping or creating an index or updating via SQL), you can start the space ACCESS(RO) and restart the job. If you are not sure whether changes have been made, terminate the utility and start again. If you terminate the utility, you might have to recover the table space and any associated indexes first and then resubmit the job. For specific information about restarting the job, see the reference manual for the utility that you are running.
BMC50261E  SPACE 'databaseName.spaceName' ALREADY IN USE BY A DB2 UTILITY

Explanation:  The table space or associated index spaces that you requested to use are already marked UTRO, UTRW, or UTUT.

User response:  Wait for the DB2 utility to complete or terminate the DB2 job before restarting the BMC utility job.

BMC50262E  SPACE 'databaseName.spaceName' ALREADY IN USE BY A BMC UTILITY, UTILID = 'utilityID'

Explanation:  A BMC utility is currently using the table space or associated index spaces that you requested.

User response:  Wait for the other utility to complete or terminate the job. Review the restart parameter that is included in the job and ensure that the value is appropriate for the job. Resubmit the job.

BMC50263E  SPACE 'databaseName.spaceName' IS IN 'status' STATE

Explanation:  The space is in the restrictive state that this message displays. The utility cannot process the object while it is in this state.

User response:  Follow the documented DB2 procedures to remove the object from this state before resubmitting the job. If you are running the utility with SHRLEVEL CHANGE and the object is in read-only (RO) status, contact BMC Customer Support. If you are running LOADPLUS and the status is LPL or WEPR, see Chapter 2 of the LOADPLUS for DB2 Reference Manual for information about the restrictions for loading an object that is in one of these states.

BMC50264E  SPACE 'databaseName.spaceName' IS IN 'CHECK PENDING' STATE

Explanation:  The space is marked CHECK pending (CHKP).

User response:  Run the CHECK PLUS product or the IBM CHECK DATA utility to remove the CHKP status and resubmit the job.

BMC50265E  SPACE 'databaseName.spaceName' IS NOT STARTED

Explanation:  The table space or associated index space that you requested to use is not started RW, RO, or UT.

User response:  Start the table space or index space that is shown in this message and restart the job.

BMC50266E  SPACE 'databaseName.spaceName' CANNOT BE STOPPED. IT MAY BE IN USE

Explanation:  The table space or index space (or both) that you requested to use cannot be stopped. The utility issued the STOP command and is waiting for execution.

User response:  The space is marked stop pending (STOPP) until no other jobs are using it. Wait for the object to be stopped and then restart the job. Other activity within the DB2 subsystem, such as active log dumps, can delay processing of the STOP command. Examine any BMC50209I messages (which
might display outstanding locks on the space) or the DSNMSTR address space to identify the currently running jobs that are preventing the command from being processed.

For REORG PLUS users, if you specified ON FAILURE TERMINATE, REORG PLUS attempts to start the space in its original status. Because other activity within the DB2 subsystem can interfere with this attempt, you should verify that all spaces are in the appropriate status before resubmitting your job.

If you receive this message and you are operating on a large number of partitions, consider increasing the value of your STOPRETRY installation option. For guidelines, see the reference manual for the utility that you are running.

BMC50267E  SPACE ‘databaseName.spaceName’ IS NOT STOPPED

Explanation: When you restarted the utility, it determined that the space was not stopped when it should have been.

User response: If you are sure that no changes have been made to the space or associated objects (such as dropping or creating an index), you can stop the space and restart the job. If you are not sure whether changes have been made, terminate the utility and start again. If you terminate the utility, you might have to recover the table space and any associated indexes first and then resubmit the job. For specific information about restarting the job, see the reference manual for the utility that you are running.

BMC50268E  SPACE ‘databaseName.spaceName’ CANNOT BE STARTED ACCESS(RO). IT MAY BE IN USE

Explanation: The utility attempted to start a DB2 space with START ACCESS(RO). The table space could not be started with ACCESS(RO).

User response: The table space might have been in use. Because of the failure, the table space might now be in RO state. Start the table space in the correct state and resubmit the job.

BMC50269W  SPACE ‘databaseName.spaceName’ [PART partitionNumber] IS IN ‘COPY PENDING’ STATE AND WILL NOT BE QUIESCED

Explanation: No quiesce on the space will be performed because the space is in COPY pending (COPY) state.

User response: To ensure that all updated pages in the buffer pool are processed, issue a STOP and then START on the space before running the job.
BMC50270I CHECK PENDING STATUS HAS BEEN action FOR databaseName.tableSpaceName [PART partitionNumber]

**Explanation:** The status for the table space or partition has changed as indicated in this message. The specified action can be either SET (ON) or RESET (OFF).

**User response:** If CHECK pending status (CHKP) is set, run CHECK PLUS with the CHECK DATA option, or run the DB2 CHECK DATA utility with SCOPE ALL on the corresponding table space or table space partition. Doing so ensures that no referential integrity or DB2 table check constraints are violated.

BMC50271I ATTEMPTING TO START SPACE 'databaseName.spaceName'...

**Explanation:** You specified the ON FAILURE TERMINATE option and the utility is terminating due to an error. The utility is attempting to start the space.

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

BMC50272I SPACE 'databaseName.spaceName' IS STARTED

**Explanation:** The utility successfully started the space after terminating due to an error. Message BMC502711 always precedes this message.

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

BMC50273I SPACE databaseName.tableSpaceName PART partitionNumber WILL REMAIN IN CHECK PENDING STATUS

**Explanation:** The table space or partition was already in CHECK pending status (CHKP), and the utility responded in one of the following ways:

- The utility processed the object but did not reset CHKP. This occurs, for example, when you specify LOAD RESUME.

- The utility bypassed the object.

PART partitionNumber displays only when this information applies to a participating partition.

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

BMC50274E SPACE 'databaseName.spaceName' IS IN 'status' STATE AND PREVENTS UTILITY FROM RUNNING

**Explanation:** The utility that you are running cannot complete the job because the table space or index space is in the indicated pending state.

**User response:** Start the space in an allowable state and resubmit the job, or specify different utility options (for example, REORG SHRLEVEL NONE instead of REORG SHRLEVEL CHANGE) and resubmit the job.

For information about allowable statuses for various utility options, see the object status section of the reference manual for the utility that you are running.
**BMC50275E** SPACE 'databaseName.spaceName' HAS AN ERROR RANGE. RECOVERY IS NEEDED

*Explanation:* The table space or index space has an error range indicated by DB2.

*User response:* Recover the table space or index space by using the ERROR RANGE option of the DB2 RECOVER utility.

**BMC50276E** XBM 'requestType' ERROR. RC=returnCode, REASON=reasonCode, DSN='dataSetName'

*Explanation:* The indicated XBM error occurred during the snapshot process. Message BMC50278E might accompany this message.

*User response:* Correct the error and resubmit the job. For questions about the XBM error, contact BMC Customer Support.

**BMC50277I** XBM STATISTICS: DSN='dataSetName', READS=n, HITS=n, WRITES=n, CACHE=n

*Explanation:* The snapshot function is complete. This message provides statistical information about the snapshot operation.

*User response:* No action is required.

**BMC50278E** XBMMessage

*Explanation:* XBM experienced an error and passed this message text to the utility for output.

*User response:* Take corrective action appropriate to the XBM error that is reported and resubmit the job. For questions about the reported error, contact BMC Customer Support.

**BMC50279E** SPACE 'databaseName.spaceName' CANNOT BE STARTED ACCESS(UT). IT MAY BE IN USE

*Explanation:* The utility attempted to start a DB2 space in ACCESS(UT) state. The attempt failed.

*User response:* The space might be in use. Start the table space in the correct state and resubmit the job.

**BMC50280E** keywords NOT SUPPORTED IN A DATA-SHARING DB2 SUBSYSTEM

*Explanation:* In a data sharing DB2 subsystem, you cannot use the keywords that this message displays.

*User response:* Correct the command and resubmit the job.

**BMC50281S** THE BMCUTIL SUBTASK HAS TERMINATED OR TIMED-OUT

*Explanation:* The utility attempted a SYNC request but the SYNC subtask failed.

*User response:* To determine the problem, see the preceding messages.
BMC50282U  THE BMCUTIL SUBTASK ABNORMALLY TERMINATED WITH SYSTEM ABEND CODE = \texttt{abendCode}

Explanation: The utility SYNC subtask abended.

User response: Review preceding messages or the job log to determine the problem. If you understand the problem (for example, an SQL timeout), correct it and restart the job. Otherwise, contact BMC Customer Support.

BMC50283U  THE BMCUTIL SUBTASK ABNORMALLY TERMINATED WITH RETURN CODE = \texttt{returnCode}

Explanation: The utility SYNC subtask abended.

User response: Review preceding messages or the job log to determine the problem. If you understand the problem (for example, an SQL timeout), correct it and restart the job. Otherwise, contact BMC Customer Support.

BMC50284I  RETRYING SQL \texttt{-911} ON STMT \texttt{description}. RETRIES REMAINING=\texttt{n}. WAIT TIME = \texttt{time SECS PLUS DB2 WAIT TIME}

Explanation: The utility encountered an SQL -911 return code while processing the SQL statement indicated in this message, performing the specified serialization function, or processing a drain.

The utility retries the SQL statement, serialization function, or drain until the utility reaches the number of retries specified in the SQLRETRY or DRNRETRY installation option. The interval between retries (WAIT TIME) is the amount of time specified with the SQLDELAY or the DRNDELAY installation option plus the time that DB2 waits for a timeout or a deadlock, whichever circumstance caused this -911.

When the STMT \texttt{description} is PREVENT \texttt{xx}, the utility is performing a drain task. A STMT \texttt{description} that contains an actual statement ID value indicates a SELECT, DELETE, or UPDATE statement.

User response: No action is required.

BMC50285E  SQL \texttt{-911} RETRIES UNSUCCESSFUL. RETRY ATTEMPTS = \texttt{n}

Explanation: This message follows message BMC50284I if all of the SQL retry attempts were unsuccessful. The utility retried the statement the displayed number of times.

User response: Try to restart the utility.

BMC50286I  SQL \texttt{-911} RETRY SUCCESSFUL

Explanation: The utility encountered an SQL -911 return code and retried the statement. This message follows BMC50284I if one of the retries was successful.

User response: No action is required.
**BMC50287E**  REXX ENVIRONMENT FAILURE AT 'description' RETURN CODE = returnCode, REASON CODE = reasonCode

*Explanation:* A problem occurred while the utility was establishing the environment for a REXX user exit. The utility terminated the job.

*User response:* If the stated description and reason provide sufficient information for you to correct the problem, correct the problem and resubmit the job. Check your job log for any IRX messages that the REXX environment manager might have issued. If you cannot correct the problem, contact BMC Customer Support.

---

**BMC50288S**  CANNOT LOAD USER EXIT 'module', TABLE = 'tableCreator.tableName', FIELD = 'fieldName'

*Explanation:* You specified a user-written exit routine for conversion but the utility cannot load the requested module.

*User response:* Ensure that the user-written exit routine module is available in your LINKLIST, JOBLIB, or STEPLIB. Ensure that you specify a large enough region size.

---

**BMC50289E**  USER EXIT 'routineName' RETURN CODE = returnCode, REASON CODE = reasonCode, MESSAGE TOKEN = 'text'

*Explanation:* The user-written exit routine produced a nonzero return code.

*User response:* Contact the author of the user-written exit routine. (The user-written exit routine is not part of the utility product.)

---

**BMC50290I**  DB2 REAL-TIME-STATISTICS - function - FOR utility UTILITY status

*Explanation:* The function for the utility completed with the status shown in this message. The status options are as follows:

- SUCCESSFUL FOR ALL OBJECTS
- FAILED OR PARTIALLY COMPLETE

A real-time statistics function failure indicates one of two conditions: this feature is not available for the type of utility job that you are running, or an error with the utility or with DB2 restricted the ability to update the real-time statistics tables. If the real-time statistics function fails, either entirely or partially, the failure does not affect the utility or the final return code for the utility.

The statistics update might fail because the real-time statistics database, tables, or table spaces are not defined, or because the real-time statistics table space is in a restricted status.

For LOADPLUS, if the RESET STATS function failed for the COPY utility, LOADPLUS might not update the copy statistics. However, this failure does not affect updates to the other statistics.
For information about the statistics that the utility updated, see Chapter 2 of the reference manual for the utility that you are running.

*User response:* No action is required.

**BMC50291S**

**BLDL FOR MODULE 'module' FAILED WITH RC = returnCode, REASON = reasonCode**

*Explanation:* The utility issued a BLDL request and the request failed.

*User response:* Check the job log for more information. Ensure that you specified a large enough region size.

**BMC50292S**

**ATTACH FOR 'module' FAILED WITH RC = returnCode**

*Explanation:* The utility tried to attach the module. Either the utility could not find the module, or the utility did not have enough memory.

*User response:* Ensure that the module is available in your LINKLIST, JOBLIB or STEPLIB. Ensure that you specified a large enough region size.

**BMC50293S**

**CANNOT LOAD MODULE 'module' [CODE = X'abendCode' ; RSN = X'reasonCode']**

*Explanation:* The utility tried to load the module. Either the utility could not find the module or the utility did not have enough memory.

If you receive this message as a WTO message before the utility starts execution, the most likely reason for receiving this message is that the product was not installed properly.

*User response:* Ensure that the module is available in your LINKLIST, JOBLIB, or STEPLIB. Ensure that you specified a large enough region size.

**BMC50293I**

**CANNOT LOAD MODULE 'module' [CODE = X'abendCode' ; RSN = X'reasonCode']**

*Explanation:* The utility tried to load the module. Either the utility could not find the module or the utility did not have enough memory.

If you receive this message as a WTO message before the utility starts execution, the most likely reason for receiving this message is that the product was not installed properly.

*User response:* Ensure that the module is available in your LINKLIST, JOBLIB, or STEPLIB. Ensure that you specified a large enough region size.
BMC50294S SYSTEM CATALOG INFORMATION ROUTINE FAILED WITH RC = returnCode. DSN = 'dataSetName'

Explanation: The utility tried to retrieve system catalog information for a dataset, but the system routine returned a nonzero return code.

User response: Ensure that the indicated data set has not been deleted, uncataloged, or archived. For example, if the utility is attempting to redefine an object, and the define process failed in the RELOAD phase of REORG PLUS or the LOAD phase of LOADPLUS, you must manually define the object and restart the job. If none of these circumstances apply, contact BMC Customer Support.

BMC50295I IDCAMS status DURING OBJECT REDEFINITION. SEE JOBLOG FOR IDC MESSAGES

Explanation: IDCAMS succeeded or failed during VSAM data set redefinition. The IDCAMS input and output are displayed in the job log.

User response: No action is required. If the message indicates a failed status, the utility retries the redefinition until it succeeds.

If the job ends with a condition code 4, the IDCAMS messages indicate that other volumes in the storage group were used for data set placement.

BMC50295E IDCAMS status DURING OBJECT REDEFINITION. SEE JOBLOG FOR IDC MESSAGES

Explanation: IDCAMS succeeded or failed during VSAM data set redefinition. The IDCAMS input and output are displayed in the job log.

User response: Check the job log for the error. If you understand the problem, correct it and restart the job. If you need assistance, contact BMC Customer Support.

BMC50296S UNABLE TO INVOKE SMS SERVICE ROUTINE 'routineName'

Explanation: The utility cannot use the indicated storage management subsystem (SMS) service routine.

User response: Check the job log for additional messages and ensure that the SMS routines are running from an APF-authorized library. For other problems, contact BMC Customer Support.

BMC50297S SMS SERVICE ROUTINE 'routineName' FAILED WITH RC = returnCode, REASON = reasonCode

Explanation: The indicated storage management subsystem (SMS) service routine failed for the specified reason.

User response: If you recognize the problem, correct it and resubmit the job. Otherwise, contact BMC Customer Support.
BMC50298S  LINK TO MODULE 'module' FAILED WITH RC = returnCode, REASON CODE = reasonCode

Explanation: A link to the module failed with the indicated return code and reason.

User response: Check preceding messages or the job log to determine the source of the problem. Review the explanation of the indicated return code and reason in the appropriate manual. If you understand the problem, correct it and restart the job. Otherwise, contact BMC Customer Support.

BMC50299S  DYNAMIC ALLOCATION FAILED IN 'module' FOR DDNAME 'ddname', S99ERROR = errorReasonCode, S99INFO = infoReasonCode

Explanation: A dynamic allocation failure occurred.

User response: Check the job log for allocation errors and see the IBM z/OS MVS Programming: Authorized Assembler Services Guide for more information about S99ERROR and S99INFO reason codes. Also, check the job log for messages related to the error. For example, a dynamic allocation error can occur because of an invalid unit specification on the WORKUNIT option in the utility installation options. The IBM TSO/E messages documentation describes messages beginning with IKJ.

Correct the problem and restart the job.

Messages BMC50300 through BMC50399

For the Utility products for DB2, this topic explains each message in the designated range.

BMC50300E  DYNAMIC ALLOCATION FAILED FOR DDTYPE 'ddtype' UNIT 'unitName' CONTAINS NO VALID DEVICES

Explanation: The UNIT specification in the installation options module or in the command for the DDTYPE does not contain a valid device. The utility cannot allocate the device that it needs for the dynamically allocated data set.

User response: Change the unit specification to one that contains at least one valid device and resubmit the job.

BMC50301I  REXX EXIT 'exitName' ALTERED databaseName.spaceName {PART partitionNumber | COMPONENT Annn} PRI/SEC PRI/SEC FROM n/n TO n/n

Explanation: The REXX user exit successfully altered the primary or secondary quantity from the first displayed value to the second. For a partitioned table space or index space, the utility issues the request for the partition shown in this message. For a multi-data-set space that is not partitioned, the utility issues
the request for the component shown in this message. \textit{Annn} is the last node of the data set name, and \textit{nnn} is a numeric value.

\textit{User response:} No action is required.

\textbf{BMC50302I} \textbf{REXX EXIT 'exitName' REQUESTED SQL ALTER OF DB2 CATALOG FOR \texttt{databaseName.spaceName} PART \texttt{partitionNumber}}

\textit{Explanation:} The REXX user exit requested that the utility issue an SQL ALTER command to the DB2 catalog. The utility queues the request, which DB2 will process before the utility ends. The utility issues message BMC50305I if DB2 successfully completes the SQL ALTER command or message BMC50304W if it fails.

If the message specifies PART 0, the table space or index space is nonpartitioned.

\textit{User response:} No action is required.

\textbf{BMC50303I} \textbf{SQL ALTER SUCCEEDED FOR \texttt{databaseName.spaceName} PART \texttt{partitionNumber} PRI/SEC FROM \texttt{n} \texttt{/n} TO \texttt{n} \texttt{/n}}

\textit{Explanation:} The utility successfully issued an SQL ALTER command to change the primary and secondary values of this partition for the table space or index space. If the message specifies PART 0, the table space or index space is nonpartitioned. DB2 updated the values in the DB2 catalog.

\textit{User response:} No action is required.

\textbf{BMC50304W} \textbf{SQL ALTER FAILED FOR \texttt{databaseName.spaceName} PART \texttt{partitionNumber} PRI/SEC FROM \texttt{n} \texttt{/n} TO \texttt{n} \texttt{/n}}

\textit{Explanation:} The utility issued an SQL ALTER command to change the primary and secondary values of this partition for the table space or index space, but the SQL ALTER command failed. If the partition number is zero, the table space or index space is nonpartitioned. DB2 did not update the values in the DB2 catalog.

The utility continues processing but completes with a return code 4. The most common reason for this failure is SQLCODE -911, which indicates that DB2 cannot get a lock on the database to perform the SQL ALTER TABLESPACE or ALTER INDEX command.

\textit{User response:} You can use the values that this message displays to perform your own SQL ALTER command. For the correct SQL syntax, see the appropriate IBM reference manual.

\textbf{BMC50305I} \textbf{REQUESTED SQL ALTER OF DB2 CATALOG IGNORED FOR \texttt{databaseName.spaceName} \texttt{objectType}}

\textit{Explanation:} A user exit requested that the utility issue an SQL ALTER command to update the DB2 catalog. However, the utility cannot issue the ALTER command for the object listed:
For **objectType** COMPONENT Annn, the utility cannot issue the ALTER command for components of a nonpartitioned multi-data-set table space or index space because they do not have entries in SYSIBM.SYSTABLEPART or SYSIBM.SYSINDEXPART. Annn is the last node of the data set name, and nnn is a numeric value.

For **objectType** (PARTITION BY GROWTH), DB2 does not allow an ALTER at the partition level to partition-by-growth table spaces.

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

**BMC50306I**

REXX EXIT 'exitName' SELECTED 'REDEFINE NO' FOR DSN='dataSetName'

*Explanation:* In the user exit at the DSRSEXIT exit point, you requested that the utility use REDEFINE NO for the indicated VSAM object. The utility bypasses the DELETE and DEFINE for the object.

*User response:* No action is required.

**BMC50307I**

BMC_REDEFINE_OBJECT='NO' IGNORED FOR DSN='dataSetName' DUE TO explanation

*Explanation:* In the DSRSEXIT user exit, you requested that the utility use REDEFINE NO for the indicated object. However, the utility cannot honor the request because of the stated reason. The utility redefines the object.

*User response:* No action is required.

**BMC50308I**

REXX EXIT 'exitName' CHANGED OPTION 'option' FROM 'value1' TO 'value2'

*Explanation:* You specified a user exit on your utility command or as a default in your installation options. This user exit changed the value of the indicated option.

*User response:* No action is required.

**BMC50311S**

UNABLE TO OPEN DATASET, DDNAME = 'ddname'

*Explanation:* The utility could not open the data set that the DD statement specifies.

*User response:* Check the job log for errors and ensure that all of the required input and output data sets are specified correctly. Correct the problem and restart the job.

**BMC50312S**

UNABLE TO CLOSE DATASET, DDNAME = 'ddname'

*Explanation:* The utility could not close the data set that the DD statement specifies.

*User response:* Check the job log for errors. Correct the problem and restart the job.
BMC50313S  RDJFCB FAILED FOR DDNAME = 'ddname'

*Explanation:* The utility received a nonzero return code from a Read Job File Control Block (RDJFCB) request.

*User response:* Check the job log. If you cannot identify and correct the problem, contact BMC Customer Support.

BMC50314S  I/O ERROR ON DATASET 'dataSetName', CSW = 'channelStatusWord', SENSE = 'sense'

*Explanation:* The utility received an I/O error on a DB2 data set, with the indicated channel status word and sense data returned by MVS I/O support.

*User response:* If you understand the error, correct the problem and restart the job. If you do not understand the error, contact BMC Customer Support.

BMC50315S  EXTEND REQUEST FOR DATASET 'dataSetName' FAILED, DATASET IS OUT OF SPACE [reason]

*Explanation:* The utility requested a secondary space allocation for the indicated data set, but the operating system denied the request. The utility usually issues this message when either all secondary extents are allocated or all volumes allocated to the data set are out of space.

*User response:* Correct the space allocation problem and resubmit the job.

BMC50316E  THE SECONDARY SPACE QUANTITY FOR DATASET 'dataSetName' IS ZERO. IT CANNOT BE EXTENDED

*Explanation:* The utility requested a secondary space allocation for the indicated data set, but the operating system denied the request because the secondary space quantity is set to zero and, therefore, cannot be extended.

*User response:* Correct the data set space allocation problem and resubmit the job.

BMC50317I  UNABLE TO action DATASET, DDNAME = 'ddname', RC = returnCode, REASON = reasonCode1,reasonCode2

*Explanation:* The data set that is associated with the indicated ddname was not deleted or uncataloged. If you specified DELETEFILES YES and the data set name is known, message BMC50318I follows this message.

The value for action is either DELETE or UNCATLG.

*User response:* The suggested response depends on which reason code you receive, as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>00020001</td>
<td>The data set is not physical sequential and is not supported for DELETEFILES YES. Change the utility command and rerun or restart your job.</td>
</tr>
<tr>
<td>Code</td>
<td>Explanation</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>00020002</td>
<td>Dynamic allocation failed. For the cause, see the dynamic allocation messages in the job log.</td>
</tr>
<tr>
<td>00020003</td>
<td>Dynamic allocation failed. For the cause, see the dynamic allocation messages in the job log.</td>
</tr>
<tr>
<td>00020004</td>
<td>Dynamic allocation failed. For the cause, see the dynamic allocation messages in the job log.</td>
</tr>
<tr>
<td>other</td>
<td>Contact BMC Customer Support.</td>
</tr>
</tbody>
</table>

**BMC50318I**  
**DATASET status action, DDNAME = 'ddname', DSN = 'dataSetName'**

Explanation: This message provides data concerning the status of DELETEFILES processing when you specify DELETEFILES YES. If the file is a tape file and TAPEDISP=UNCATLG was specified in the installation options module, the data set is uncataloged rather than deleted.

The value of status can be one of the following statuses:

<table>
<thead>
<tr>
<th>Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUCCESSFULLY</td>
<td>The utility deleted or uncataloged the data set.</td>
</tr>
<tr>
<td>NOT</td>
<td>The utility did not delete or uncatalog the data set. When the data set name is known, this message follows message BMC50317I.</td>
</tr>
</tbody>
</table>

The value of action is either DELETED or UNCATLGD.

User response: No action is required if the delete or uncatalog process was successful. If the data set was not deleted or uncataloged, see message BMC50317I (issued before this message), for the reason code. Respond as shown in the description of message BMC50317I.

**BMC50319E**  
**DATASET 'dataSetName' EXCEEDS THE MAXIMUM ALLOWABLE DATASETS OF 'n'**

Explanation: The maximum number of data sets for the DB2 object was exceeded.

User response: For table space objects, you can either process less data, reduce the PCTFREE value, or increase the FREEPAGE value. However, you must recover the table space and resubmit the job with the NEW execution parameter after making the changes.

For index objects, you can increase the PIECESIZE value or specify NLPCTFREE on the command in addition to making the PCTFREE or FREEPAGE changes shown for a table space object. Resubmit the job with the RESTART execution parameter.
**BMC50320E**  SPACE 'databaseName.tableSpaceName' PART partitionNumber STATUS HAS CHANGED. IT IS NOW status2, BUT IT WAS status1 WHEN THE UTILITY STARTED

*Explanation:* When the utility started, the table space was marked status1. However, it changed to status2 while the utility was running, causing the utility to terminate.

*User response:* Determine why the status changed. Resubmit the job, ensuring that the status does not change while the utility is running.

**BMC50321E**  DB2 utility UTILITY RAN ON 'databaseName.spaceName' PART partitionNumber AT timestamp WHILE utility WAS RUNNING

*Explanation:* While REORG PLUS with SHRLEVEL CHANGE was running, an IBM DB2 utility started and completed on the same DB2 object. The REORG PLUS job terminated.

*User response:* After the IBM DB2 utility completes, resubmit the SHRLEVEL CHANGE job. Do not start any IBM utilities on a DB2 object while REORG PLUS is using that object.

**BMC50322E**  DATABASE 'databaseName' IS NOT STARTED

*Explanation:* The database, which contains the object on which you are running the utility, is not started with RW, RO, or UT access.

*User response:* Start the database shown in this message and restart the job.

**BMC50323E**  DATABASE 'databaseName' IS IN 'status' STATE

*Explanation:* The database is in the state shown in this message. The utility cannot continue and terminates the job.

*User response:* Follow the documented DB2 procedures to remove the object from this state before resubmitting the job.

**BMC50324E**  SPACE 'databaseName.spaceName' IS NOT STARTED ACCESS(RW)

*Explanation:* The options that you specified for this utility require that the space be in read/write (RW) status. For example, LOAD RESUME YES SHRLEVEL CHANGE SQLAPPLY has this requirement.

*User response:* If appropriate, start the space with RW access and resubmit the job. If you do not want to allow read/write access during the utility operation, change your utility command and resubmit the job. For information about object status requirements, see the reference manual for the utility that you are running.

**BMC50328I**  THE 'BMCSTATSTableType' TABLE USED BY THIS UTILITY DOES NOT MATCH THE ONE USED BY BMCSTATS ('tableCreator.tableName')

*Explanation:* When you are running a utility that is part of a solution that contains the BMCSTATS component, the utility issues this message if the utility synonyms do not resolve to the same physical tables as the synonyms that are
defined for the DASD MANAGER PLUS product or the BMCSTATS component.

If you specified ANALYZE BMCSTATS in your command syntax, the utility also issues message BMC50329E and terminates the job. Otherwise, the job continues to run. However, BMC recommends that you correct the problem in either case.

User response: Change the synonyms to point to the same tables. For the steps to complete this task, see the Utility Products for DB2 Installation Guide. Resubmit the utility job.

BMC50329E  **UTILITY SYNONYMS DO NOT RESOLVE TO SAME TABLES AS THOSE USED BY BMCSTATS. OPTION 'option' CAN NOT BE USED**

*Explanation:* The synonym names that are defined for the utility do not resolve to the same tables as the synonyms that are defined for DASD MANAGER PLUS or the BMCSTATS component. You cannot use the command option ANALYZE BMCSTATS if the synonyms do not resolve to the same tables.

User response: Remove ANALYZE BMCSTATS from the command statement or change the synonyms to point to the same tables. For the steps to complete this task, see the Utility Products for DB2 Installation Guide. Resubmit the utility job.

BMC50330I  **UNABLE TO DETERMINE BASE TABLE USED FOR BMCSTATS SYNONYM 'synonymOwner.synonymName'**

*Explanation:* The BMCSTATS synonym does not exist. The DASD MANAGER PLUS component of the solution was not installed completely.

User response: Install the DASD MANAGER PLUS component of the solution completely, including creating the synonyms. For more information, see the Administrative Products for DB2 Installation Guide.

BMC50331S  **taskNumber: UNABLE TO ALLOCATE DATASET 'dataSetName'**

*Explanation:* The utility cannot dynamically allocate the DB2 data set shown in this message. The task number identifies the task that is associated with the error.

User response: Check the job log for dynamic allocation error messages and check the storage group for incompatible device types. If you understand the problem, correct it and restart the job. Otherwise, contact BMC Customer Support.

BMC50332S  **taskNumber: UNABLE TO OPEN DATASET 'dataSetName'**

*Explanation:* The utility cannot open the DB2 data set shown in this message. The task number identifies the task that is associated with the error.

User response: Check the job log for more information. If this message occurs during REORG PLUS reload processing, ensure that the data set is defined with
the REUSE option. If you understand the problem, correct it and restart the job. Otherwise, contact BMC Customer Support.

**BMC50333I**

```
taskNumber: CONNECT TO DATASET 'dataSetName' FAILED WITH RC = returnCode, RETRYING
```

**Explanation:** The utility received a nonzero return code when it attempted to connect to the DB2 data set shown in this message. The task number identifies the task that is associated with the error. The utility retries the connection.

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

**BMC50333S**

```
taskNumber: CONNECT TO DATASET 'dataSetName' FAILED WITH RC = returnCode
```

**Explanation:** The utility received a nonzero return code when it attempted to connect to the DB2 data set shown in this message. The task number identifies the task that is associated with the error.

**User response:** Review preceding messages or the job log to determine the problem. If you need additional assistance, contact BMC Customer Support.

**BMC50334S**

```
taskNumber: UNABLE TO CLOSE DATASET 'dataSetName'
```

**Explanation:** The utility cannot close the DB2 data set. The task number identifies the task that is associated with the error.

**User response:** Review the job log for more information. If you understand the problem, correct it and restart the job. Otherwise, contact BMC Customer Support.

**BMC50335S**

```
taskNumber: DISCONNECT FROM DATASET 'dataSetName' FAILED WITH RC = returnCode
```

**Explanation:** The utility received a nonzero return code when it attempted to disconnect from the DB2 data set shown in this message. The task number identifies the task that is associated with the error.

**User response:** Review preceding messages or the job log to determine the problem. If you need additional assistance, contact BMC Customer Support.

**BMC50336S**

```
taskNumber: UNABLE TO DEALLOCATE DATASET 'dataSetName'
```

**Explanation:** The utility cannot deallocate the DB2 data set shown in this message. The task number identifies the task that is associated with the error.

**User response:** Review the job log for more information. If you understand the problem, correct it and restart the job. Otherwise, contact BMC Customer Support.

**BMC50337S**

```
taskNumber: UNABLE TO action BUFFERS FOR DATASET 'dataSetName'
```

**Explanation:** The utility cannot obtain information to calculate the buffer requirements for the identified DB2 data set, or not enough storage is available.
to allocate buffers for the identified DB2 data set. The task number identifies the task that is associated with the error.

*User response:* Review the job log for more information. Correct the problem and restart the job.

**BMC50338S**

*taskNumber:* GENCB BLK = ACB FOR DATASET 'dataSetName' FAILED WITH RC = returnCode

*Explanation:* The utility received a nonzero return code from a GENCB request. The task number identifies the task that is associated with the error.

*User response:* Ensure that your region size is large enough. If region size is not the problem, contact BMC Customer Support.

**BMC50339S**

*taskNumber:* GENCB BLK = RPL FOR DATASET 'dataSetName' FAILED WITH RC = returnCode

*Explanation:* The utility received a nonzero return code from a GENCB request. The task number identifies the task that is associated with the error.

*User response:* Ensure that your region size is large enough. If region size is not the problem, contact BMC Customer Support.

**BMC50340S**

*taskNumber:* VSAM GET REQUEST FOR DATASET 'dataSetName' REJECTED WITH R = returnCode, F = data, P = pageNumber

*Explanation:* The utility received a nonzero return code from a GET request. The task number identifies the task that is associated with the error. R is the return code, F is the VSAM feedback information, and P is the page number.

*User response:* Review the job log, the return code, and the feedback-area information. For an explanation of the feedback-area information, see IBM's documentation for VSAM feedback codes. If you understand the error, correct it and restart the job. Otherwise, contact BMC Customer Support.

**BMC50341S**

*taskNumber:* VSAM PUT REQUEST FOR DATASET 'dataSetName' REJECTED WITH R = returnCode, F = data, P = pageNumber

*Explanation:* The utility received a nonzero return code from a PUT request. The task number identifies the task that is associated with the error. R is the return code, F is the VSAM feedback information, and P is the page number.

*User response:* Review the job log, the return code, and the feedback-area information. For an explanation of the feedback-area information, see IBM's documentation for VSAM feedback codes. If you understand the error, correct it and restart the job. Otherwise, contact BMC Customer Support.
BMC50342S  
**taskNumber: VSAM I/O ERROR ON DATASET ‘dataSetName’, R = returnCode, F = data, P = pageNumber**

*Explanation:* The utility encountered a VSAM I/O error. The task number identifies the task that is associated with the error. R is the return code, F is the VSAM feedback information, and P is the page number.

*User response:* Review the job log, the return code, and the feedback-area information. For an explanation of the feedback-area information, see IBM's documentation for VSAM feedback codes. If you understand the error, correct it and restart the job. Otherwise, contact BMC Customer Support.

BMC50343I  
**SYNADMessage**

*Explanation:* The utility received this error message from an MVS data management access method services routine.

*User response:* If you understand the problem, correct it and restart the job. Otherwise, contact BMC Customer Support.

BMC50344S  
**taskNumber: MODCB BLK = ACB FOR DATASET ‘dataSetName’ FAILED WITH RC = returnCode**

*Explanation:* The utility received a nonzero return code from a MODCB request. The task number identifies the task that is associated with the error.

*User response:* Contact BMC Customer Support.

BMC50345I  
**taskNumber: WAITING ON I/O FOR DATASET ‘dataSetName’...**

*Explanation:* During task termination, this message indicates that the task is waiting for I/O to complete on the data set.

*User response:* If multiple BMC50345I messages for the same data set appear and the job has not completed or continued, a RESERVE on the volume might contain the data set or some other system problem.

BMC50346E  
**THE VSAM DATASET DOES NOT EXIST FOR objectType objectName [PART partitionNumber]**

*Explanation:* The utility attempted an operation on a table space or index that was created with DEFINE NO. The indicated VSAM data set does not exist. PART partitionNumber is included in this message if the object is partitioned. The utility is unable to continue and terminates the job.

*User response:* For any restrictions regarding objects that were created with DEFINE NO, see the reference manual for the utility that you are running.

BMC50346I  
**THE VSAM DATASET DOES NOT EXIST FOR objectType objectName [PART partitionNumber]**

*Explanation:* The utility attempted an operation on a table space or index that was created with DEFINE NO. The indicated VSAM data set does not exist. PART partitionNumber is included in this message if the object is partitioned. The utility continues processing the job.

*User response:* No action is required.
UTILITY EXECUTION TERMINATED BECAUSE TABLE 'tableCreator.tableName' CONTAINS A 'columnDefinition AS columnType' COLUMN 'columnName'

*Explanation:* The following conditions exist, but the utility does not allow this combination of conditions.

- A table that was specified contains an identity column or row change timestamp column that is defined as GENERATED ALWAYS.
- A field specification was included on the utility command.
- For an identity column, IDENTITYOVERRIDE YES is not in effect.

*User response:* Make the appropriate change to the utility command. Resubmit the job.

UTILITY EXECUTION TERMINATED BECAUSE COLUMN 'columnName' IN TABLE 'tableCreator.tableName' HAS EXCEEDED ITS MAXVALUE OR MINVALUE

*Explanation:* The utility computed the value to be assigned to the identity column and discovered that the value exceeds the range of allowed values found in SYSIBM.SYSSEQUENCES. Most likely, the identity column is not large enough or the specified increment value is too large.

*User response:* Consult the IBM DB2 manuals for information about identity columns and SYSIBM.SYSSEQUENCES. Correct the problem and rerun the job.

UNABLE TO RECALL MIGRATED DATASET, DSNAME = 'dataSetName'

*Explanation:* The utility cannot recall the migrated data set.

*User response:* Attempt to recall the migrated data set manually. If this operation fails, check the job log for more information. If you understand the problem, correct it and restart the job. Otherwise, contact BMC Customer Support.

TRANSLATION NOT SUPPORTED FROM CCSID **ccsid1** TO CCSID **ccsid2**

*Explanation:* The job requires data translation between CCSIDs, but translation did not occur because the utility encountered a translation condition that the utility does not support. Examples of unsupported conditions include

- Translations that are not defined in the SYSSTRINGS catalog table
- In some cases, translations that require a translation procedure (TRANSPROC)
- In some cases, translations for MIXED or double-byte character set (DBCS) data
In some cases, additional information is provided at the end of this message. Message BMC50351E accompanies this message and describes the data to be translated.

User response: Ensure that you are using the appropriate DB2 installation defaults (DSNHDECP) for the job. Change your job by using one of the following options:

- Eliminate the need for data translation. For example, unload the data by using the table's encoding scheme or load the data into a table that has the same encoding scheme as the data.

- Change your options to request a supported translation. For example, load data into a table with an encoding scheme such that the translation does not require a translation procedure (TRANSPROC).

Resubmit the job. For more information about data translation requirements, see the reference manual for the utility that you are running.

---

**BMC50351E**

UNABLE TO PERFORM TRANSLATION(S) FOR {dataType | stringType} [objectName]

Explanation: The job requires data translation for the data that is described by dataType or stringType and, optionally, objectName, but the utility cannot perform the translation. In some cases, message BMC50350E or BMC50359I indicates the translation that is not supported.

User response: Take one of the following actions and resubmit your job:

- Eliminate the need for data translation. For example, unload the data by using the table's encoding scheme, or load the data into a table that has the same encoding scheme as the data.

- Change your options to request a supported translation.

For more information about data translation requirements, see the reference manual for the utility that you are running.

---

**BMC50352E**

CANNOT LOAD translationModuleType 'moduleName' FOR TRANSLATION FROM CCSID ccsid1 TO CCSID ccsid2

Explanation: The utility cannot load one of the following items:

- the conversion procedure that is defined in the TRANSPROC column of the SYSIBM.SYSSTRINGS row that defines the translation for the indicated CCSIDs.

- the z/OS conversion services module for the requested translation

User response: Locate the indicated module and ensure that it is in the SYSLIB concatenation. Resubmit the job.
**BMC50353I** subtype objectType objectName WILL NOT BE TRANSLATED

*Explanation:* The utility will not translate the object (field or column) of the indicated subtype. The utility displays this message when any of the following conditions exist:

- When the utility cannot translate MIXED data. For more information, see the reference manual for the utility that you are running.
- For columns that are defined as FOR BIT DATA. The utility does not translate these columns.

*User response:* Change your command or table definition. Resubmit the job.

**BMC50354E** UNABLE TO RESOLVE PAD CHARACTER: objectType = objectName, CCSID = ccsid

*Explanation:* The utility cannot determine the pad character to use for processing the data that is described in this message.

*User response:* Contact BMC Customer Support.

**BMC50355W** TRANSLATION FAILED, ERRORBYTE/SUBBYTE FOUND FROM CCSID ccsid1 TO CCSID ccsid2

*Explanation:* The utility attempted to translate a column and encountered one of the following situations:

- The string that the utility was translating contained an error byte.
- The string that the utility was translating contained a substitution character and you specified NOSUBS with the utility command.

*User response:* Select a different CCSID to use for the translation, or change the NOSUBS specification in your utility command. Resubmit the job.

**BMC50356S** ENVIRONMENT DOES NOT EXIST TO TRANSLATE FROM CCSID ccsid1 TO CCSID ccsid2

*Explanation:* The utility attempted to perform an operation on Unicode data that requires the use of Unicode Conversion Services. However, Unicode Conversion Services are either not available or not configured.

*User response:* Contact your systems programmer to ensure that Unicode Conversion Services are enabled and configured for your system.
utility CANNOT function UNICODE DATA WHEN YOU SPECIFY keywordString

Explanation: The utility command includes options that the utility does not support when operating on Unicode data. The utility terminated.

User response: For options that are not supported when operating on Unicode data, see the reference manual for the utility that you are running. Change your command options and resubmit the job.

Z/OS ENVIRONMENT TRANSLATION FAILED WITH RETURN CODE = returnCode, REASON CODE = reasonCode

Explanation: The utility attempted to perform an operation on Unicode data that requires the use of Unicode Conversion Services. The utility called Unicode Conversion Services, but the Unicode conversion process did not complete successfully. The return code and reason code provide more information about the error in Unicode Conversion Services.

Either the return code is greater than 4 or the utility job does not allow discards. The utility terminated processing.

User response: To determine the appropriate corrective action, review the return code and reason code information in the IBM Unicode Conversion Services documentation. Correct the problem and resubmit the job.

Z/OS ENVIRONMENT TRANSLATION FAILED WITH RETURN CODE = returnCode, REASON CODE = reasonCode

Explanation: The utility attempted to perform an operation on Unicode data that requires the use of Unicode Conversion Services. The utility called Unicode Conversion Services, but the Unicode conversion process did not complete successfully. The return code and reason code provide more information about the error in Unicode Conversion Services.

The return code is 4 and the utility job allows discards. The utility discards the current row and continues processing.

User response: Review the return code and reason code information in the IBM Unicode Conversion Services documentation, and take appropriate corrective action if necessary.

TRANSLATION FROM CCSID ccsid1 TO CCSID ccsid2 REQUIRES THE USE OF TRANSPROC translationProcedure

Explanation: The utility attempted to translate data during processing. Based on the indicated CCSIDs, this translation requires a translation procedure (TRANSPROC), which the utility does not support. Message BMC50351E accompanies this message and describes the data to be translated.

User response: No action is required. However, see BMC50351E for more information.
BMC50360S  BMCSORT IS NOT AVAILABLE. BMCSORT MUST BE AVAILABLE IN STEPLIB, JOBLIB, OR LINKLIST.

Explanation: BMCSORT could not be initialized because it was not installed or is not in a library that is part of a STEPLIB, JOBLIB, or LINKLIST concatenation that is active for this step.

User response: For information about installing BMCSORT, see the Utility Products for DB2 Installation Guide. If BMCSORT is currently installed in a library, concatenate that library into your STEPLIB, JOBLIB, or system LINKLIST.

BMC50361S  UNABLE TO INVOKE SORT ROUTINE

Explanation: The utility tried to invoke the sort routine but received a nonzero return code from the system LINK routine.

User response: Review the job log for information about the failure.

BMC50362I  SORT ROUTINE TERMINATED WITH RETURN CODE = returnCode

Explanation: The sort routine failed with the return code shown in this message.

User response: Review the job log and preceding messages for information about the failure. Check for errors preceding this message that caused the sort routine to fail. Correct the problem and restart the job.

BMC50363I  SORT ROUTINE TERMINATED WITH SYSTEM ABEND CODE = abendCode, REASON CODE = reasonCode

Explanation: The sort routine failed with the system abend code and reason code shown in this message.

User response: Review the job log and preceding messages for information about the failure. Check for errors preceding this message that caused the sort routine to fail. Correct the problem and restart the job.

BMC50364I  SORT PROCESSES SEVERELY CONSTRAINED BY MEMORY RESOURCES. SORTING CONTINUES, BUT PERFORMANCE MAY BE IMPACTED.

Explanation: The utility found that the available memory resources are insufficient to provide the most efficient sorting. To allow the utility job to complete, the sort routine might choose a less efficient sorting algorithm, which can increase the elapsed time of the job.

User response: No action is required. However, one of the following options might improve the sort efficiency of future jobs:

- Increase your region size, if possible.
- Limit the scope of the job that you are running to reduce the amount of work that the utility needs to do.
- Check your system's memory usage. Message BMC50474I reports the memory that is available to the utility at the time of optimization. If the
value for ABOVE as shown in BMC50474I is substantially less than the value for your REGION parameter, your system might have a memory-limiting exit active. In this case, contact your system programmer to increase the limit, if possible.

- Message BMC50479I reports the percentage of available pages that are allowed for sort processing at the time of optimization. If available page restrictions frequently prevent the utility from performing one sort, consider scheduling your utility jobs during periods of lower system activity, if possible.

**BMC50365S**

```
taskNumber: LZ process ERROR. PARTITION = partitionNumber, RC = returnCode, REASON = reasonCode
```

*Explanation:* While processing a table space that is defined with the COMPRESS YES attribute, the utility encountered a problem in the LZ process. The task number identifies the task that is associated with the error.

*User response:* Contact BMC Customer Support.

**BMC50366I**

```
taskNumber: UNABLE TO BUILD THE COMPRESSION DICTIONARY. PARTITION = partitionNumber
```

*Explanation:* While processing a table space that is defined with the COMPRESS YES attribute, the utility determined that the data was not sufficient to build a compression dictionary. The task number identifies the task that is associated with the error.

*User response:* No action is required.

**BMC50367I**

```
COMPRESSION DICTIONARY status FOR TABLESPACE databaseName.tablesSpaceName PARTITION = partitionNumber
```

*Explanation:* While processing a table space that is defined with the COMPRESS YES attribute, the utility determined that it needed to build a compression dictionary. This occurs, for example, when you specify KEEPDICTIONARY NO.

If the utility built the dictionary successfully, this message displays a status of BUILT. The utility issues a separate message for each dictionary that it builds successfully (for example, for each partition).

*User response:* No action is required.

**BMC50368E**

```
PART COPY DD STATEMENTS ARE EXPECTED BECAUSE THE COPYSUBSET OPTION HAS NOT BEEN SET TO YES AND/OR NON-CONTIGUOUS PARTS ARE PARTICIPATING
```

*Explanation:* COPY YES was specified for a partitioned table space and the JCL contains a DD statement for a single copy data set, but one of the following conditions exists:

- Partitions were specified on the PART command option that do not constitute a single subset of contiguous partitions.
You specified a single subset of contiguous parts, but the value of the COPYSUBSET installation option is NO.

When these conditions exist, the utility assumes that partition-level copies are being requested. However, DD statements were not provided for partition-level copy data sets.

**User response:** To create a single copy for a subset of partitions, complete the following requirements:

- Specify COPYSUBSET=YES in the installation options module.
- Specify a single subset of contiguous partitions with the PART command option.
- If you are dynamically allocating copy data sets, specify COPYLVL FULL.

Otherwise, to obtain partition-level copies, provide DD statements for partition-level copy data sets.

Make the appropriate change, and restart or resubmit your job.

---

**BMC50369I**

INDEX `indexCreator.indexName` PARTITION `partitionNumber` HAS BEEN PLACED IN INFORMATIONAL COPY PENDING STATUS

**Explanation:** The utility rebuilt the index. This message is a reminder that you must make an image copy of the index before you can recover it by using an image copy and log records. PARTITION `partitionNumber` is omitted from this message if the table space is not partitioned.

**Note**

Only participating partitions of the index are placed in informational copy pending status.

**User response:** If you plan to use an image copy and log records to recover the index, first create an image copy of the index.

---

**BMC50370I**

STARTING n IMAGE COPY TASKS

**Explanation:** The utility started the displayed number of tasks to create image copies.

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

---

**BMC50374S**

UNABLE TO OPEN COPY DATASET, DDNAME = `ddname`

**Explanation:** The utility cannot open the copy data set that the DD statement specifies.

**User response:** Check the job log for errors. Correct the problem and restart the job.
BMC50375I  *copyProcess STARTED FOR DATASET = 'dataSetName'*

Explanation: The full copy, incremental copy, or inline copy process of the utility is making a copy of the data set.

User response: No action is required.

BMC50376I  *n PAGES action DATASET = 'dataSetName'*

Explanation: The utility copied the specified number of pages to the indicated data set, or updated that number of pages in the data set. The value for action can be either COPIED TO or UPDATED IN.

User response: No action is required.

BMC50377E  *'deviceName' IS AN INVALID DEVICE TYPE FOR DDNAME = 'ddname'*

Explanation: The specified device type is not valid or does not match the device type of the data set that the DD statement specifies.

User response: Correct the device type value and restart the job.

BMC50378W  *IMAGE COPY REQUIRED. TABLE SPACE REMAINS STOPPED*

Explanation: COPY YES was not specified in the command statement. The utility continues processing but completes with return code 4.

User response: Take appropriate action to allow recovery of the space. For more information, see the reference manual for the utility that you are running.

BMC50379E  *DATASET 'dataSetName' ALREADY USED FOR PREVIOUS IMAGE COPY*

Explanation: A data set was specified that a previous image copy already used.

User response: You can use the specified data set name if you modify the record from SYSCOPY (using the MODIFY command) to remove the entry that is causing the duplication. Then, restart or resubmit the job.

Keep in mind the following guidelines:

- If you are running LOADPLUS and LOADPLUS has completed creating the specified image copy, you must issue a RESTART(PHASE) to create a new image copy data set. In contrast, if LOADPLUS has not completed the image copy, you can change the name of the data set and restart the job.

- If you are running REORG PLUS for any type of reorganization except SHRLEVEL CHANGE and REORG PLUS has completed creating the specified image copy, you must issue a RESTART(PHASE) to create a new image copy data set. In contrast, if REORG PLUS has not completed the image copy, you can change the name of the data set and restart the job.

- If you are running REORG PLUS with SHRLEVEL CHANGE, you cannot restart the job. You must change the data set name and resubmit the job from the beginning.
BMC50380I  SPACE 'databaseName.tableSpaceName' IS IN 'CHECK PENDING' STATE.  
'COPY PENDING' STATE IS NOT RESET  

Explanation:  COPY pending could not be turned off because the CHECK pending flag was on.  
User response:  Turn off COPY pending by either starting the table space with ACCESS(FORCE) or by running the REPAIR utility.

BMC50381I  CORRESPONDING RECOVERY SITE IMAGE COPIES SHOULD BE MADE FOR TABLESPACE 'databaseName.tableSpaceName'  

Explanation:  The utility found recovery site image copies (remote primary, remote backup, or both) in the SYSIBM.SYSCOPY table for the indicated table space.  
User response:  You should make recovery copies for the table space.

BMC50382I  copyType OF SECONDARY INDEX 'indexCreator.indexName' COMPLETED IN PRIOR RUN  

Explanation:  The utility copied the index by using the software-based copy method or snapshot technology in an earlier run; therefore, the utility will not copy the index again in the current run.  
User response:  No action is required.

BMC50383E  UNABLE TO FIND COPY OR RECOVERY DDNAME 'ddname' USED IN REGISTER OPTION  

Explanation:  The utility cannot find the default ddname or the ddname that was specified in the COPYDDN or RECOVERYDDN option in your JCL.  
User response:  Ensure that the ddname that was specified in the REGISTER option has a matching ddname specified in the JCL.

BMC50384E  DUPLICATE DDNAME 'ddname' FOUND IN REGISTER OPTION  

Explanation:  The utility found two or more identical ddnames specified in the REGISTER option.  
User response:  Ensure that each ddname that was specified in the REGISTER option is unique and has a matching ddname in the JCL.

BMC50385E  DUPLICATE DDNAME 'ddname' FOUND IN COPYDDN/RECOVERYDDN OPTION  

Explanation:  The utility found two or more identical ddnames specified in the COPYDDN or RECOVERYDDN option (or both).  
User response:  Ensure that each ddname that was specified in the COPYDDN and RECOVERYDDN options is unique and has a matching ddname in the JCL.
BMC50386W  IMAGE COPY REQUIRED. TABLE SPACE REMAINS IN 'COPY PENDING' STATE
Explanation:  No image copy was made, and the table space is already in COPY pending (COPY) status.
User response:  Take appropriate action to allow recovery of the table space. For more information, see the reference manual for the utility that you are running.

BMC50387W  IMAGE COPY REQUIRED. TABLE SPACE SET TO 'COPY PENDING'
Explanation:  No image copy was made, and the table space is now in COPY pending (COPY) status.
User response:  Take appropriate action to allow recovery of the table space. For more information, see the reference manual for the utility that you are running.

BMC50388I  taskNumber: copyType OF SECONDARY INDEX: 'indexCreator.indexName' STARTED
Explanation:  A copy process (using standard or snapshot technology) started for the secondary index data set.
User response:  No action is required.

BMC50389I  taskNumber: copyType OF SECONDARY INDEX: 'indexCreator.indexName' COMPLETE
Explanation:  A copy process (using standard or snapshot technology) completed for the secondary index data set.
User response:  No action is required.

BMC50390E  taskNumber: copyType OF SECONDARY INDEX: 'indexCreator.indexName' FAILED
Explanation:  This message indicates that a copy process (using standard or snapshot technology) failed for the secondary index. The failing copy task terminated. The remaining copy tasks, if any, continue copying other index data sets. If all index data sets are not successfully copied, the utility terminates the job.
User response:  Review the job log for errors. Correct the errors and restart the job.

BMC50391E  UNABLE TO LOCATE type DATASET, DDNAME = 'ddname'
Explanation:  The utility cannot find the default ddname or the ddname that was specified in the command statement in your JCL, and dynamic allocation is not active for the data set. For example, the following conditions can cause the utility to fail and issue this message:

- Two ddnames for the COPYDDN option are specified but dynamic allocation is active for only the primary copy data set.
- In UNLOAD PLUS, a partitioned table space is being unloaded into multiple data sets, but the number of partitions and output data sets do not match.

- Multiple loads or reorganizations are being run in one job step using the BMC DASD MANAGER PLUS product, and more than one SYSREC DD uses the same data set name.

- In REORG PLUS, the following conditions exist:
  - A single copy data set is allocated in the JCL.
  - COPY YES is specified for a partitioned table space reorganization.
  - Either a noncontiguous subset of parts is specified, or a contiguous subset of parts is specified and COPYSUBSET is NO.

  *User response:* Ensure that all required DD statements are specified and that they match the ddnames that are specified for the xxxxDDN option of the command, or that dynamic allocation is active for the data set type shown in this message. For more information, see the discussion for this data set type in the reference manual for the utility that you are running.

**BMC50391I**

**UNABLE TO LOCATE** type DATASET, DDNAME = ’ddname’

*Explanation:* The utility cannot find the default ddname or the ddname that was specified in the command statement in your JCL.

*User response:* No action is required and processing continues.

**BMC50392E**

**UNABLE TO LOCATE SUFFICIENT WORK DATASETS, DDNAME = ’ddname’**

*Explanation:* The utility cannot find the work data set ddnames in your JCL.

*User response:* Ensure that the correct SYSUT1 or SYSUT1nn DD statement is specified or that the same ddnames are specified that were specified in the WORKDDN option. You can specify one ddname for all indexes or one for each index. For more detail, see the WORKDDN command option description and the SYSUT1 allocation section of the reference manual for the utility that you are running.

**BMC50393W**

**UTILITY MAY NOT BE RESTARTABLE IN THE ’phase’ PHASE BECAUSE THERE ARE INSUFFICIENT OR NO type DATASET(S)**

*Explanation:* To restart the utility in the phase shown in this message, you must specify sufficient work data sets of the type indicated in this message. If you do not specify sufficient work data sets and the job abnormally terminated, you must recover the table space, the index, or both.

*User response:* Take appropriate action to allow recovery of the table space or index space or both. For more information, see the reference manual for the utility that you are running.
BMC50394I  UNABLE TO LOCATE SORT WORK DATASETS, DDNAME = ‘SORTWKNN’

Explanation: The utility cannot locate any SORTWK ddnames or cannot obtain allocation information about any of the SORTWK ddnames that were specified. If you did not specify a value greater than 0 for the SORTNUM option or you did not use the dynamic allocation option, you might not obtain optimal processing.

User response: No action is required. For more information, see message BMC50395I.

BMC50395I  MAXSORTS SET TO 1

Explanation: The utility cannot obtain enough information to run multiple sort tasks concurrently, so the utility will invoke only one sort task. This restriction might prevent the utility from running as efficiently as possible.

User response: No action is required. However, for information about how to adjust your options to obtain optimal performance, see the reference manual for the utility that you are running.

BMC50396S  UNABLE TO CALCULATE BLOCKSIZE FOR DDNAME = ’ddname’

Explanation: The utility tried to determine the block size for the data set in the DD statement that was specified, but received a nonzero return code from a system routine.

User response: Check the job log for errors. Ensure that FREE=CLOSE was not specified for the SYSREC ddname. Correct the problem and restart the job.

BMC50397I  phase PROCESSING CONSTRAINED BY REGION SIZE

Explanation: The utility is constrained because the amount of virtual memory is insufficient for optimal performance. For most jobs, the utility continues processing. If you also receive message BMC50399E, however, the amount of available virtual memory is insufficient to continue.

User response: No action is required. However, for optimal performance, BMC recommends that you specify REGION=0M on the JOB or EXEC statement of your execution JCL to allocate all available virtual storage to the utility job. However, if you are processing a large number of partitions, processing might be constrained even if you specify REGION=0M. In this case, consider operating the utility on fewer partitions in a single job.

BMC50398I  phase PROCESSING CONSTRAINED BY SORT WORK FILES

Explanation: If more sort work file space were available, the utility could make use of the space to improve the performance of the indicated phase and subsequent phase processing. The utility uses only the primary quantity when determining the number of concurrent tasks to start.
If the utility issued this message because different device types are defined for the unit being used for the sort work files, the utility also issues message BMC50405I.

**User response:** No action is required. However, you might want to specify larger sort work files or more sort work files to improve performance. For information about performance considerations, see the reference manual for the utility that you are running.

If message BMC50405I accompanies this message, see the user response for BMC50405I for other suggested actions.

**BMC50399E**  
*phase* PROCESSING UNABLE TO CONTINUE DUE TO CONSTRAINED RESOURCES

**Explanation:** The utility cannot get enough memory or sort work space to process the indicated utility phase. Messages BMC50397I or BMC50398I explain the problem in more detail.

**User response:** Make one or more of the following adjustments:

- Specify a larger region size.
- Specify larger sort work files or more sort work files.
- Adjust the installation options to improve performance.

If this message is accompanied by message BMC50397I but you have specified REGION=0M in your JOB or EXEC statement, processing might be constrained because the utility is operating on a large number of partitions. Change your command options to operate on fewer partitions and resubmit the job.

**Messages BMC50400 through BMC50499**

For the Utility products for DB2, this topic explains each message in the designated range.

**BMC50400I**  
*phase* PROCESSING CONSTRAINED BY INDEX WORK FILES

**Explanation:** Only one index work file (SYSUT1) was specified. Because more than one index is participating in the job, the utility determined that you can improve performance by specifying SYSUT1 files. For details about specifying multiple SYSUT1 files, see the reference manual for the utility that you are running.

**User response:** To improve performance, specify additional index work files (SYSUT1), based on the information in the reference manual for the utility that you are running.
INCONSISTENT NUMBER OF fileType DD NAMES FOR RESTART

Explanation: The job restarted but the number of the following files is different from the number specified in the original job:

- REORG PLUS work (SYSUT1) files
- LOADPLUS load (SORTOUT) files
- REORG PLUS unload or LOADPLUS input (SYSREC) files

User response: Restore the original number of files and restart the job, or terminate the utility program and submit a new job.

DDNAME = 'ddname' NOT FOUND FOR RESTART

Explanation: The job restarted but one of the previous ddnames is now missing and is required.

User response: Restore the original ddnames and restart the job, or terminate the utility program and submit a new job.

INPUT AND DISCARD DATASETS HAVE CONFLICTING ATTRIBUTES

Explanation: Discard processing was requested, but the RECFM, LRECL, or DSORG attributes of the input and discard data set are not compatible.

User response: Change the RECFM, LRECL, or DSORG values of the discard data set and resubmit the job.

DUPLICATE DDNAME 'ddname' FOUND

Explanation: The same ddname was specified for more than one file.

User response: Change the ddname so that it is unique.

SORT WORK FILES ARE NOT THE SAME SIZE. AVERAGE SIZE nK ASSUMED

Explanation: The utility determined that the sort work files are not the same size. The utility will use average size to determine subsequent processing. Using average size can result in an abnormal termination of the utility or reduced utility performance.

User response: No action is required. However, if other messages indicate performance constraints or abnormal termination, you probably need to ensure that all sort work files have the same allocation quantities and are on the same device type. For REORG PLUS users, consider using the 3380 device type SORTWK space provided in the ANALYZE output.
**BMC50406I**  
**UNABLE TO OBTAIN VOLUME INFORMATION FOR DDNAME = 'ddname', SORT WORK FILE IGNORED**

*Explanation:* The utility was unable to obtain the volume information for the ddname shown in this message. The probable cause for this error is assigning the sort work file to VIO.

*User response:* Correct the problem and resubmit the utility.

**BMC50407E**  
**FOR DDNAME 'ddname', UNLIKE DCB ATTRIBUTES FOUND FOR CONCATENATED DATA SETS**

*Explanation:* The utility determined that the concatenated data sets have unlike DCB attributes.

*User response:* Ensure that all concatenated data sets have the same DCB attributes.

**BMC50408E**  
**DUPLICATE DATASET NAME 'dataSetName' FOUND FOR DDNAMES 'ddname1' AND 'ddname2'**

*Explanation:* The same data set name was specified for both of the DD statements shown in this message.

*User response:* Modify one of the data set names in your JCL to make it unique. Resubmit the job.

**BMC50409E**  
**VERSION version OR HIGHER OF component (WITH CURRENT MAINTENANCE) NOT FOUND**

*Explanation:* The utility attempted to use the indicated version of the component, but that version was not available or the required maintenance has not been applied. The utility terminated processing.

*User response:* Ensure that the minimum required version of the indicated component (and all maintenance) is installed and that the component is available through the utility's STEPLIB, JOBLIB, or LINKLIST at execution time.

**BMC50410I**  
**NUMBER OF SORTWKNN(n) FILES SHOULD BE EVENLY DIVISIBLE BY THE NUMBER OF TASKS(n)**

*Explanation:* The number of SORTWKnn statements coded in the JCL should be evenly divisible by the number of tasks, with a minimum of two sort work files per task.

*User response:* To optimize multitasking, change the number of SORTWKnn statements in the JCL and resubmit the job.
**BMC50411U**

**phase TASK NUMBER taskNumber ABNORMALLY TERMINATED WITH SYSTEM ABEND CODE = abendCode, REASON CODE = reasonCode**

*Explanation:* The subtask abended with the indicated system abend code and reason. The task number identifies the phase and specific task of the phase that is associated with the error.

*User response:* Check preceding messages or the job log to determine the problem. Review the explanation in the appropriate manual. If you understand the problem, correct it and restart the job. Otherwise, contact BMC Customer Support.

**BMC50412U**

**phase TASK NUMBER taskNumber ABNORMALLY TERMINATED WITH RETURN CODE = returnCode**

*Explanation:* The subtask terminated with a nonzero return code. If this message indicates a user abend 3100 (any utility), 3200 (REORG PLUS), 3400 (LOADPLUS), 3600 (UNLOAD PLUS), 3800 (CHECK PLUS), or 3900 (REORG PLUS or LOADPLUS), you can find the reason code in register 15 of the job log that contains the abend summary. The task number identifies the specific task of the phase that is associated with the error.

*User response:* Check preceding messages or the job log to determine the problem. Convert the decimal-formatted reason code to hexadecimal and review the explanation in the appropriate manual. If you understand the problem, correct it and restart the job. Otherwise, contact BMC Customer Support.

**BMC50413S**

**taskNumber: task TASK STARTED WITH NO WORK ASSIGNED**

*Explanation:* This message indicates that an internal error occurred. The task number identifies the task that is associated with the error.

*User response:* Contact BMC Customer Support.

**BMC50414S**

**taskNumber: UNABLE TO LOAD COMPRESSION DICTIONARY FOR TABLE SPACE databaseName.tableSpaceName PARTITION partitionNumber**

*Explanation:* The attempted operation required that the utility load an associated compression dictionary. The utility could not load the compression dictionary and terminated.

A probable cause of this error is attempting to unload an image copy that contains a compression dictionary created during DB2 SQL INSERT processing when either of the following conditions exist:

- The image copy was created with the SYSTEMPAGES NO option.
- The image copy was created with the DSN1COPY utility.
If this cause does not describe your situation, see the reference manual for the utility that you are running for restrictions on compression dictionaries.

*User response:* Correct the problem, if possible, and rerun the job. If you are unable to determine the cause of the problem, contact BMC Customer Support.

**BMC50415S**

**taskNumber: UNABLE TO ESTABLISH RECOVERY ENVIRONMENT**

**Explanation:** The utility received a nonzero return code from an ESTAE request. The task number identifies the task that is associated with the error.

**User response:** Ensure that your region size is large enough. If region size is not the problem, contact BMC Customer Support.

**BMC50416W**

**SYSTEM DUMP CREATION FAILED WITH RETURN CODE =** `returnCode`, `REASON CODE =` `reasonCode`, `TITLE =` `dumpTitle`

**Explanation:** After the utility abended, it attempted to generate a system dump. The return code and reason code tell why the system could not generate the dump. The variable `dumpTitle` indicates the title that the dump would have had if the dump had been generated.

**User response:** For a description of the return code and reason code, and a possible course of action, see the IBM *z/OS MVS Programming: Authorized Assembler Services Reference* for the SDUMPX macro.

**BMC50417S**

**INSUFFICIENT STORAGE FOR SORTING. MINIMUM SMCORE REQUIRED =** `nK`. `RECOMMENDED SMCORE =` `nK`.

**Explanation:** The sort routine determined that there is insufficient memory for the sort that your job requires. The values specified in the SMCORE installation option are incompatible with your job and system requirements.

**Note**

BMC recommends that you use the default values of (0K,0K) for the SMCORE option.

The variable `n` indicates the amount of memory that you can specify in the first subparameter of the SMCORE option. This message displays the following information:

- Minimum value that you can specify for this subparameter
- Value that BMC recommends, if you must use something other than the default of 0K

**User response:** Edit your installation options macro or create a new one. Ensure that the SMCORE option uses either the default values (0K,0K) or the recommended value that is supplied in this message. If you edit an existing options macro, you must recompile and link it. If you create a new options module, edit your JCL to include the new options module name. Resubmit your job.
BMC50418U  NO SDWA, CLEANUP SUPPRESSED

Explanation: The utility abended and attempted to perform cleanup processing as part of termination processing. However, the system was not able to create the system diagnostic work area (SDWA), probably due to insufficient memory. The utility terminated without performing cleanup processing. This message is displayed on the console only (not in the SYSPRINT listing).

User response: Review the messages in the SYSPRINT listing to determine why the utility failed initially. If you can, correct the problem and resubmit the job. Otherwise, contact BMC Customer Support.

BMC50419W  error, NO DUMP PRODUCED

Explanation: The utility encountered one of the following internal errors and cannot produce a dump:

- INVALID UCA ADDRESS
- CLEANUP SUPPRESSED

This message is displayed on the console only (not in the SYSPRINT listing).

User response: Contact BMC Customer Support.

BMC50420I  utility EXIT 'exitName' WILL BE INVOKED AS LANGUAGE TYPE 'language'

Explanation: The utility will invoke the user exit specified in the DSNUEXIT option as the language type shown in this message. The user-written exit routine is not part of the utility.

User response: No action is required.

BMC50421I  utility EXIT 'exitName' IS TERMINATING THIS RUN WITH RC=returnCode

Explanation: The user-written exit routine requested run termination via the return code shown in this message.

User response: Contact the author of the exit routine to determine why the exit routine terminated and correct the problem. The user-written exit routine is not part of the utility. Resubmit or restart your job.

BMC50422E  USER VARIABLE 'variable' HAS INVALID informationType, C'xx', X'xx'

Explanation: The variable that your user-written exit routine returned has either an invalid name or contains invalid data. This messages displays the name or data in question in character (©) and hexadecimal (X) formats. For rules governing user-defined variables, see the user exits appendix in the reference manual of the utility that you are running.

User response: Modify the user-written exit routine to comply with the rules for variable naming and variable data. (The user-written exit routine is not part of the utility.) Resubmit or restart your job.
BMC50423E  COULD NOT LOAD THE language RUN TIME ROUTINE NAMED 'routineName'

Explanation: The utility attempted to load the COBOL II or C runtime routine but could not find it.

User response: Ensure that the routine is available in your STEPLIB and resubmit or restart your job.

BMC50424E  language ROUTINE 'routineName' RETURNED RC=returnCode

Explanation: The COBOL II or C runtime routine produced a nonzero return code.

User response: To determine the problem and correct it, see the appropriate programming language documentation. Resubmit or restart your job.

BMC50425I  variable = value ...

Explanation: This message is displayed at the beginning of the dynamic data set allocation process and lists the utility's variables and their values. You can use these variables with the DSNPAT keyword. For more information about the DSNPAT command option, see Chapter 3 of the reference manual for the utility that you are running.

User response: No action is required.

BMC50426I  variable = value ...

Explanation: This message lists the variables for the user-written exit routine and their values. You can use these variables with the DSNPAT keyword. For more information about the DSNPAT command option, see Chapter 3 of the reference manual for the utility that you are running.

This message is displayed upon returning from your user-written exit routine if dynamic allocation is active. The user-written exit routine is not part of the utility.

User response: No action is required.

BMC50428E  REXX EXIT 'exitName' HAD ERROR - errorText

Explanation: One of the following errors occurred in the REXX user exit:

<table>
<thead>
<tr>
<th>Error</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC_PRIMARY_QUANTITY NOT NUMERIC</td>
<td>The primary quantity specified for the object is not a valid numeric value.</td>
</tr>
<tr>
<td>BMC_SECONDARY_QUANTITY NOT NUMERIC</td>
<td>The secondary quantity specified for the object is not a valid numeric value.</td>
</tr>
<tr>
<td>Error</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>-------------</td>
</tr>
<tr>
<td>BMC_STOGROUP_VOLUME.0 INVALID</td>
<td>The value specified for the stem variable that contains the number of volumes in the storage group is not valid. The maximum value for this stem variable is the total number of volumes in the storage group.</td>
</tr>
<tr>
<td>fourDigitCode CODE FROM REXX GET VAR</td>
<td>An internal error occurred.</td>
</tr>
<tr>
<td>volumeNumber IS NOT A VALID VOLUME</td>
<td>A volume was specified that is not in the storage group.</td>
</tr>
<tr>
<td>volumeNumber IS A DUPLICATE VOLUME</td>
<td>The same volume was specified twice.</td>
</tr>
</tbody>
</table>

**User response:** If you received a four-digit REXX error code, contact BMC Customer Support. Otherwise, correct the error and restart the job.

**BMC50429I**  
‘`ddtype`' REDUCED FROM (n) DUE TO ‘`option`' SPECIFICATION (value)  
**Explanation:** The utility reduced the number of dynamically allocated files of the indicated type because the value of the specified option constrained this particular resource. For example, if you specify MAXTAPE and your dynamically allocated files are going to tape, your MAXTAPE specification might limit the amount of multitasking that the utility can perform.  
**User response:** No action is required.

**BMC50430E**  
`ddtype DDNAME PREFIX ‘prefix’ TOO LONG FOR description`  
**Explanation:** The specified ddname prefix is too long to allow the addition of unique partition numbers or work data set numbers. The resulting ddnames will be greater than eight bytes. The description provides the purpose of the multiple data sets. LOADPLUS or REORG PLUS processing terminated. For more information about specifying ddnames, see the reference manual for the utility that you are running.  
**User response:** Specify a shorter ddname prefix in the command or in the installation options module. This prefix must allow the utility to append the maximum partition number or data set number without exceeding eight bytes. Resubmit or restart your job, as appropriate.  
If this prefix is for dynamically allocated data sets and you attempt to restart your job after specifying a shorter ddname prefix, you will continue to receive this message. On restart, the utility retains the prefix for dynamically allocated data sets that you specified originally. In this situation, resubmit your job.

**BMC50430I**  
`ddtype DDNAME PREFIX ‘prefix’ TOO LONG FOR description`  
**Explanation:** The specified ddname prefix is too long to allow the addition of unique partition numbers or work data set numbers. The resulting ddnames will be greater than eight bytes. The description provides the purpose of the multiple data sets. The utility continues processing but might not multitask as
much as it could. For more information about specifying ddnames, see the reference manual for the utility that you are running.

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

**BMC50431E**

**DSNPAT MAY NOT BE SPECIFIED AS 'NONE' OR ' ' FOR DDTYPE 'ddtype'**

**Explanation:** When dynamically allocating any data set other than SORTWK, you must specify a data set name pattern; otherwise, the utility cannot allocate your data sets. The 'NONE' or ' ' option is valid only for SORTWK data sets. The variable *ddtype* identifies the DSNPAT specification that needs to be revised.

For more information about the DSNPAT command option, see Chapter 3 of the reference manual for the utility that you are running.

**User response:** Specify a valid data set name pattern with the DSNPAT command option, and resubmit or restart your job.

**BMC50432E**

**DSNPAT FOR DDTYPE 'ddtype' IS INVALID, DSN WOULD EXCEED 44 BYTES IN LENGTH**

**Explanation:** A pattern that was specified with the DSNPAT command option or installation option will result in a data set name that is greater than 44 bytes. The *ddtype* identifies the DSNPAT specification that needs to be revised.

For more information about the DSNPAT command option, see Chapter 3 of the reference manual for the utility that you are running.

**User response:** Change your DSNPAT specification, and resubmit or restart your job.

**BMC50433E**

**DSNPAT FOR DDTYPE 'ddtype' IS INVALID, SUBSTITUTION VARIABLE NAME IS LONGER THAN 9 BYTES 'variable'**

**Explanation:** A user-defined variable name that was specified in the DSNPAT command or installation option is invalid because its length is greater than nine bytes, including the ampersand or underscore (X'6D'). The *ddtype* identifies the DSNPAT specification that needs to be revised.

For more information about the DSNPAT command option, see Chapter 3 of the reference manual for the utility that you are running. For more information about rules for user-defined variable names, see the user exits appendix in the reference manual.

**User response:** Change the DSNPAT specification, and resubmit or restart your job.
**BMC50434E**  
**DSNPAT FOR DDTYPE 'ddtype' IS INVALID, VARIABLE 'variable' IS NOT DEFINED**

*Explanation:* The utility encountered one of the following problems. The *ddtype* identifies the DSNPAT specification that is affected.

- The indicated variable was not defined during user exit processing.
- The value required to resolve the indicated variable is not available.

For more information about the DSNPAT command option, see Chapter 3 of the reference manual for the utility that you are running. For more information about user-defined variables, see the user exits appendix in the reference manual.

*User response:* Use a different variable in your DSNPAT specification or, if the problem is a user-defined variable, contact the author of your user-written exit routine. (The user-written exit routine is not part of the utility.) Resubmit or restart your job.

**BMC50435E**  
**DATASET NAME CONTAINS INVALID CHARACTER AT POSITION position, DD='ddname', DSN='dataSetName'**

*Explanation:* The data set name *dataSetName* for the indicated *ddname* has an invalid character at position *position*. This problem can occur when the DSNPAT command option is used to specify a pattern or, in LOADPLUS, when the INDSN command is used to specify input data sets.

For more information about these command options, see the reference manual for the utility that you are running. For more information about user-defined variables, see the information about user exits in the reference manual.

*User response:* Change the data set specified in INDSN, or change your DSNPAT specification. If a user-defined variable is causing the problem, contact the author of your user-written exit routine. (The user-written exit routine is not part of the utility.) Resubmit or restart your job.

**BMC50436E**  
**DATASET NAME CONTAINS INVALID NODE AT POSITION position, DD='ddname', DSN='dataSetName'**

*Explanation:* The pattern that was specified with the DSNPAT command option or installation option resulted in a data set name that contains an invalid node. The invalid node is identified by its position *position*.

For more information about the DSNPAT command option, see Chapter 3 of the reference manual for the utility that you are running. For more information about user-defined variables, see the user exits appendix in the reference manual.

*User response:* Change your DSNPAT specification or, if the problem is with a user-defined variable, contact the author of your user-written exit routine. (The user-written exit routine is not part of the utility.) Resubmit or restart your job.
SORTWORK DATASETS MUST BE ALLOCATED ON DASD UNITS, UNIT(unitName) IS INVALID

Explanation: SORTWK data sets must be allocated on DASD units. The unit that was specified with the UNIT command option or installation option for SORTWK data set dynamic allocation is not a valid DASD unit. For details about the UNIT command option, see Chapter 3 in the reference manual for the utility that you are running.

User response: Change the UNIT command option or installation option for SORTWK to specify a valid DASD unit. Resubmit or restart your job.

DYNAMIC WORK FILE ALLOCATION SUPPORTS DASD AND TAPE UNITS ONLY, UNIT(unitName) FOR DDTYPE 'ddtype' IS INVALID

Explanation: Dynamically allocated data sets must be allocated on DASD or tape units. The unit that was specified with the UNIT command option or installation option is not a valid DASD or tape unit. The ddtype identifies the UNIT specification that needs to be revised. For details about the UNIT command option, see Chapter 3 in the reference manual for the utility that you are running.

User response: Change the UNIT command option or installation option to specify a valid DASD or tape unit. Resubmit or restart your job.

UNABLE TO CONTINUE. NUMBER OF REQUIRED TAPE DEVICES (r) EXCEEDS MAXTAPE SPECIFICATION (n)

Explanation: The utility requires r number of tape devices to complete dynamic allocation. The number that was specified in the MAXTAPE command option or installation option (n) limits the number of available tape devices to less than the number required.

For information about the MAXTAPE option and the related THRESHLD and UNIT options, see Chapter 3 in the reference manual for the utility that you are running.

User response: If additional tape devices are available on your system, use the MAXTAPE command option to increase the number of tape devices that the utility can use for dynamic allocation. Alternatively, you can change one of the following options:

- THRESHLD command option or installation option to specify a different threshold

- UNIT command option or installation option to specify a different or secondary unit name

Resubmit or restart your job.
BMC50440E UNABLE TO CONTINUE. SMS SUBSYSTEM NOT ACTIVE, BUT SOME DYNAMIC WORK FILE ALLOCATIONS SPECIFIED AS SMS

Explanation: The SMS subsystem is not active on your system. However, one or more of the following SMS command option or installation options were specified:

- SMS YES
- SMSUNIT YES
- A value other than (NONE,NONE) for any of the SMS classes

For information about installation options, see Appendix A in the reference manual for the utility that you are running. For details about the SMS command options, see Chapter 3 in the reference manual.

User response: Change your SMS command options or installation options and resubmit or restart the job.

BMC50441E 'UNIT' SPECIFICATION FOR DDTYPE 'ddtype' CANNOT BE BLANK

Explanation: If you request that the utility perform a non-SMS dynamic allocation, you must specify a unit for each data set to be allocated. You receive this message if dynamic allocation is active for your job, SMS NO is specified, but a UNIT is not defined for the ddtype shown in this message.

For information about installation options, see Appendix A in the reference manual for the utility that you are running. For details about the SMS and UNIT command options, see Chapter 3 in the reference manual.

User response: Provide a valid unit name with your UNIT command option or installation option. If your intent is to have the utility use SMS allocation, do not change your UNIT option, but change your SMS command option or installation option to a value of YES. Resubmit or restart the job.

BMC50442E value'SIZEPCT' VALUE FOR DDTYPE 'ddtype' IS NOT GREATER THAN ZERO

Explanation: A value of zero or less was specified for the SIZEPCT command option or installation option. The variable ddtype identifies the SIZEPCT specification that needs to be revised. For details about the SIZEPCT command option, see Chapter 3 in the reference manual for the utility that you are running.

User response: Change the appropriate SIZEPCT command option, and resubmit or restart your job.

BMC50443E DSNPAT FOR DDTYPE 'ddtype' IS INVALID BECAUSE IT CONTAINS EMBEDDED BLANKS

Explanation: A pattern that was specified with the DSNPAT command option or specified in your installation option contains embedded blanks, which is
invalid. The \textit{ddtype} identifies the DSNPAT specification that needs to be revised.

For more information about the DSNPAT command option, see Chapter 3 in the reference manual for the utility that you are running. For more information about user-defined variables, see the user exits appendix in the reference manual.

\textbf{User response: } Change the appropriate DSNPAT command option or installation option, omitting any embedded blanks, and resubmit or restart your job.

\textbf{BMC50444E UNABLE TO CONTINUE, DUPLICATE DATASET EXISTS FOR DD='ddname', DSN='dataSetName'}

\textit{Explanation:} During dynamic allocation, a pattern that was specified with the DSNPAT command option or installation option resulted in a data set name that is already cataloged on your system. This message provides the affected ddbname and data set name.

\textbf{User response: } Change the appropriate DSNPAT command option or installation option, ensuring that it will generate unique names for your data set. Resubmit or restart your job.

\textbf{BMC50445I utility DYNAMIC FILE ALLOCATION REPORT}

\textit{Explanation:} Messages BMC50445I through BMC50447I provide the heading for the report that contains dynamic data set allocation information. The results of the dynamic allocation are reported in message BMC50448I.

\textbf{User response: } No action is required.

\textbf{BMC50446I UNIT OR KBYTES KBYTES ALOC ALOC}

\textit{Explanation:} Messages BMC50445I through BMC50447I provide the heading for the report that contains dynamic data set allocation information. The results of the dynamic allocation are reported in message BMC50448I.

\textbf{User response: } No action is required.

\textbf{BMC50447I DDNAME DSNAME DATACLAS MGMTCLAS STORCLAS PRI SEC PRI SEC}

\textit{Explanation:} Messages BMC50445I through BMC50447I provide the heading for the report that contains dynamic data set allocation information. The results of the dynamic allocation are reported in message BMC50448I.

\textbf{User response: } No action is required.

\textbf{BMC50448I ddbname dataSetName unit/class pk sk pa sa t/r}

\textit{Explanation:} This message reports the results of dynamic data set allocation on your job. Messages BMC50445I through BMC50447I provide the heading for this report. A separate BMC50448I message for each data set provides the following allocation information:
This report is displayed when the utility completes dynamic allocation processing. This report is also displayed if you received message BMC50439E or message BMC50449E, indicating that the utility could not complete dynamic allocation processing. In this case, the report helps you determine the cause of the failure.

The allocation value might include T or M, which is a multiplier. For example, if the prefix before the value is T, the record value is a multiple of 1000. If the prefix is M, the record value is a multiple of 1,000,000.

User response: No action is required.

**BMC50449E**

**DYNAMIC ALLOCATION FAILED, SEE JOBLLOG FOR MESSAGES**

Explanation: Dynamic allocation processing failed and the utility job terminated.

User response: Review preceding messages or the job log to determine the problem. If the job log contains messages BMC50445I through BMC50448I, the indicated file is the one that caused the allocation process failure.

One scenario under which you might receive this error message is when the utility attempts to allocate concurrently more data sets than your system allows. This scenario can occur when you are operating on a large number of partitions.

If you understand the problem, correct it and resubmit or restart your job. Otherwise, contact BMC Customer Support.
BMC50450E  UNIT 'unitName' SPECIFIED FOR DDTYPE 'ddtype' NOT FOUND IN ELIGIBLE DEVICE TABLE (EDT)

Explanation: The unit that was specified for dynamically allocated data sets with the UNIT command or installation option is not valid for your system. The variable ddtype identifies the UNIT specification that is incorrect.

User response: Contact your system programmer to determine which units are valid for your system. Change the UNIT command or installation option appropriately. Resubmit or restart your job.

BMC50450S  UNIT 'unitName' SPECIFIED FOR DDTYPE 'ddtype' NOT FOUND IN ELIGIBLE DEVICE TABLE (EDT)

Explanation: The unit that was specified for the spill data sets with the UNIT command or installation option is not valid for your system. The variable ddtype identifies the UNIT specification that is incorrect. In this message, ddtype is either LGREC (for log record spill data sets) or RIDMAP (for RIDMAP spill data sets).

User response: Contact your system programmer to determine which units are valid for your system. Change the UNIT command or installation option appropriately. Resubmit or restart your job.

BMC50451E  FOR DDNAME 'ddname' UNABLE TO ALLOCATE TOTAL REQUIRED r TRACKS DUE TO MAXEXTSZ n TRACKS

Explanation: The utility requires r tracks for the indicated ddname. However, the value that was specified for MAXEXTSZ is insufficient to size the primary and secondary quantities. The utility terminated.

User response: Increase the value for MAXEXTSZ, or decrease the value for SIZEPCT so that the utility can allocate at least r tracks. Resubmit the job.

BMC50452E  FOR DDNAME 'ddname' CALCULATED SECONDARY QUANTITY s TRACKS EXCEEDS MAXEXTSZ n TRACKS

Explanation: After the utility applied the SIZEPCT value, the amount of space that it calculated for the primary quantity is within the MAXEXTSZ limit. However, the amount of space that it needs for the secondary quantity exceeds the MAXEXTSZ limit. The utility terminated.

This problem occurs only when you specify a large number for the second SIZEPCT value.

User response: Decrease the second value for the SIZEPCT option. Resubmit the job.
BMC50453I  FOR DDNAME 'ddname' CALCULATED PRI/SEC OF p/s1 ALTERED TO p/s2 FOR MAXEXTSZ n TRACKS

Explanation: The utility changed the values that it calculated for the primary and secondary quantities so that they are within your specified limit for the MAXEXTSZ option.

User response: No action is required.

BMC50454I  FOR DDTYPE 'ddname' MULTIPLE DATASET ANALYZE BYPASSED BECAUSE SPECIFIED DDN PREFIX TOO LONG

Explanation: The ANALYZE phase completed, but it was not able to generate all of the information for the report because the prefix specified for the ddname is too long.

User response: Specify a shorter ddname prefix in the command option or installation option. This prefix must allow the utility to append the maximum partition number or work data set number without exceeding eight bytes.

BMC50455E  SPECIFIED DDN PREFIXES 'prefix1' AND 'prefix2' ARE TOO SIMILAR

Explanation: For dynamic allocation of data sets, the utility must be able to distinguish the ddnames specified in the JCL for one type of work file from those specified for another type of work file. The indicated prefixes do not create file names that enable the utility to make the distinction.

If the prefixes are different only because one prefix has additional trailing characters (for example, BMC and BMCWK), the trailing bytes of the longer prefix must contain at least one nonnumeric byte.

User response: Change your prefix specification and resubmit the job.

BMC50456S  taskNumber: INVALID DATA FOUND IN FILE, DDNAME = 'ddname'

Explanation: The utility encountered invalid data in the indicated work data set. The task number identifies the task that is associated with the error.

User response: Ensure none of the work data sets were changed after preloading or unloading was complete or before a restart. If the data sets were not changed in any way, contact BMC Customer Support. Depending on the phase that was executing when the error was detected, you might have to recover the associated DB2 data sets.

BMC50457E  GDG BASE > 35 CHARACTERS, DDNAME 'ddname' DSN 'dataSetName'

Explanation: The utility attempted to create a base generation data group (GDG) for the indicated ddname. However, when the utility expanded the data set name by using the pattern from the DSNPAT installation or command option, the resulting base name was too long. (The utility makes the variable
substitutions and uses everything up to the open parenthesis to create the base name.)

User response: Shorten the pattern in the DSNPAT installation or command option so that the expanded data set name is less than or equal to 35 characters. Then, resubmit the job.

BMC50458E  GDG BASE COULD NOT BE DEFINED, DDNAME 'ddname' DSN 'dataSetName'

Explanation: The utility cannot create a base generation data group (GDG) for the indicated ddbname.

User response: Take the appropriate action based on the additional information that is displayed in the job log. Then, resubmit the job.

BMC50459E  UNABLE TO CONTINUE - 'DEFINE NO' INDEX indexCreator.indexName PART partitionNumber MATERIALIZED DURING PROCESSING

Explanation: The utility started SHRLEVEL CHANGE processing of a table space that contains at least one nonmaterialized index with the DEFINE NO attribute. During processing, the index was materialized, causing the utility to terminate.

User response: The table space remains in its original status. You cannot restart the utility from this point. You must initiate the utility from the beginning.

BMC50460E  'JCLStatement' NOT VALID IN JCL WITH 'option' OPTION

Explanation: One of the statements in the JCL is not valid with the specified command option. For example, this error occurs in LOADPLUS when the JCL contains a SYSREC DD statement and your LOAD command includes the INDSN option.

User response: Correct the JCL or utility command and resubmit the job.

BMC50463E  DYNAMIC ALLOCATION FAILED: text

Explanation: z/OS dynamic allocation failed (that is, completed with a nonzero return code from the DYNALLOC SVC macro) and issued the stated z/OS message. If multiple DYNALLOC errors occurred, the utility issues message BMC50463E for each error.

User response: You can find information about the DYNALLOC error and the message in the IBM z/OS messages and codes documentation. If you can determine the cause of the error from the information in that message, correct the problem and resubmit the job. Otherwise, contact BMC Customer Support.

BMC50464E  DYNAMIC ALLOCATION FAILED FOR DDTYPE ddType, MORE THAN numberOfDataSets DATASETS REQUIRED TO FULFILL SPACE REQUIREMENT

Explanation: The utility needs to allocate additional sort work data sets. However, because of dynamic allocation retries, the required DASD space exceeds the reduced primary quantity totals. Also, the number of additional
sort work data sets that the utility allocated when attempting to make up the shortage exceeds the maximum of 255 sort work data sets.

User response: Take one of the following actions so that the required space is allocated and then resubmit the job:

- Ensure that sufficient DASD space is available for dynamic allocation.
- For DDTYPE SORTWORK, assign a different unit by using the UNIT command or installation option.
- For DDTYPE SORTWORK, assign a different SMS class by using the DATACLAS, MGMTCLAS, and STORCLAS command or installation options.

**BMC50466E**

**dataSetType NOT ALLOWED FOR DDNAME = 'ddname'**

Explanation: The utility determined that the file allocated to the indicated ddname is not allocated properly and your installation options specify FILECHK=FAIL. The utility's work data sets should not be allocated in any of the following ways:

- as temporary data sets. A temporary data set is defined as one whose normal or abnormal DISP is one of the following values:
  - DELETE
  - NEW,PASS
  - OLD,PASS and the original status is not OLD

For more information about the treatment of temporary data sets by the product, see Chapter 2 of the reference manual for the utility that you are running.

- as DD DUMMY
- as DSN=NULLFILE

The utility terminated processing.

If you specified SHRLEVEL CHANGE, REORG PLUS issues this message if any full or incremental copy data sets are allocated as temporary data sets.

User response: Correct the allocation error that is shown in this message, and restart the utility with the same utility ID.

**BMC50466W**

**dataSetType NOT RECOMMENDED FOR DDNAME = 'ddname'**

Explanation: The utility determined that the file allocated to the indicated ddname is not allocated properly and your installation options specify
FILECHK=WARN. The utility's work data sets should not be allocated in any of the following ways:

- as temporary data sets. A temporary data set is defined as one whose normal or abnormal DISP is one of the following values:
  - DELETE
  - NEW,PASS
  - OLD,PASS and the original status is not OLD

For more information about the treatment of temporary data sets by the product, see Chapter 2 of the reference manual for the utility that you are running.

- as DD DUMMY
- as DSN=NULLFILE

The utility continues processing. If you restart your job after this warning, unpredictable errors can occur due to invalid data in the work data set.

User response: No action is required.

**BMC50467S**

**DATASET VERIFICATION n FAILED FOR DDNAME = 'ddname'**

*Explanation:* The utility opened a work data set for input processing and determined that the work data set is not the same one that the utility created during output processing. The utility might issue message BMC50466E with this message.

*User response:* Correct the error and restart the utility with the same utility ID.

**BMC50470I**

**installOption= value value value**

*Explanation:* This message displays each dynamic allocation installation option and its current value. The utility issues one message for each option, but shows the value for multiple DDTYPEs in a single message line. For example, you might see the following messages:

```
BMC50470I  DDTYPE= WORK  UNLOAD  SORTWORK
BMC50470I  ACTIVE= YES   YES    YES
```

*User response:* No action is required.

**BMC50471I**

**environmentInformation**

*Explanation:* This message displays the following information:

- System information
- Versions of the currently running utility and the components that the utility is using

- Diagnostic information that provides BMC Customer Support with the PTF maintenance that has been applied to the utility and to components that the utility is using

- Each installation option and its current value. The utility displays three options in a single message line.

- Values from the DSNHDECP module that the utility is using

- Names of the BMC tables specified at installation

User response: No action is required. For information about the installation options, see Appendix A of the reference manual for the utility that you are running.

**BMC50472I**

**UNABLE TO LOCATE SMS INTERFACE ROUTINES, SMS SUPPORT UNAVAILABLE**

*Explanation:* The utility cannot find the SMS support interface module IGWAQSMS, or modules IGWASYS and IGWASMS. Therefore, the utility determined that IBM's Storage Management Subsystem is not installed on your system. These modules normally reside in SYS1.CSSLIB.

*User response:* If you do not require SMS support, no further action is required. If you need SMS support, ensure that SYS1.CSSLIB is in your system LINKLIST or allocated as part of your JOBLIB or STEPLIB.

**BMC50473I**

**SMS SUBSYSTEM NOT ACTIVE, SMS SUPPORT UNAVAILABLE**

*Explanation:* The utility found the SMS support interface module IGWAQSMS, or modules IGWASYS and IGWASMS. However, the utility determined that IBM's Storage Management Subsystem is not active on your system.

*User response:* If you do not require SMS support, no further action is required. If you do need SMS support, ensure that SMS is active before you run the utility.

**BMC50474I**

**BELOW 16M = nK, ABOVE 16M = nK, CPUS = n**

*Explanation:* This message displays the amount of virtual storage and number of CPUs that the utility found available for processing.

*User response:* No action is required. However, you can use this information to help improve performance. For more information about performance considerations, see the reference manual for the utility that you are running.

**BMC50475I**

**MAX TASKS = t, PARTITIONS PER TASK = p, SORTWKS PER TASK = s**

*Explanation:* This message tells you how the utility has determined that it will perform processing.
The variable $t$ indicates the maximum number of tasks that the utility can run concurrently. The number of tasks does not include other processes that always use a single task.

The variable $p$ indicates the maximum number of partitions that the utility can process per task, based on the available resources.

The variable $s$ indicates the number of sort work files assigned to each task.

**User response:** No action is required. However, you can use this information to help improve performance. For more information about performance considerations and performance-related messages, see the reference manual for the utility that you are running.

**BMC50476I**

**DDNAME = ddname, \( I/Os = n \), I/O WAITS = w, RDB LOCK WAITS = r**

**Explanation:** The utility gathered the following statistics during processing for the indicated file:

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>$n$</td>
<td>Number of I/Os (blocks) that the utility wrote to or read from the data set</td>
</tr>
<tr>
<td>$w$</td>
<td>Number of waits issued for I/O completion</td>
</tr>
<tr>
<td>$r$</td>
<td>Number of waits for serialization of the data set</td>
</tr>
</tbody>
</table>

**User response:** No action is required. However, you can use this information to help improve performance:

- A wait count that is greater than 10 percent of the block count might indicate degraded performance. Try allowing the utility additional buffer space for the associated data set or using multiple data sets.

- A high number of serialization waits might indicate the need to decrease the number of concurrent tasks or use multiple data sets.

For additional performance information, see the reference manual for the utility that you are running.

**BMC50477I**

**taskNumber: PARTITION = partitionNumber, ROWS/KEYS = n, I/O WAITS = w, DDNAME = ddname**

**Explanation:** For the indicated partition, the utility gathered this information about I/O operations to VSAM data sets. If $partitionNumber$ is zero, the table space is not partitioned. The task number identifies the task from which the statistics were generated.

**User response:** No action is required. However, you can use this information to help improve performance. Use the ddname to find the actual number of I/O processes that were issued to the associated data set. A wait count that is
greater than 20 percent of the actual I/O processes might indicate degraded performance. Try changing one of the following values to enable the utility to start more concurrent tasks:

- If you also receive message BMC50397I, allow the utility more virtual storage.
- If you also receive message BMC50398I, provide more sort work file space.

For additional performance information, see the reference manual for the utility that you are running.

**BMC50478I**  
\textit{taskNumber: RDB LOCK WAITS = r}  
\textit{Explanation:} The utility gathered this statistic during unload processing. The variable \( r \) indicates the total data set contention count.  
\textit{User response:} No action is required. However, you can use this information to help improve performance. For additional performance information, see the reference manual for the utility that you are running.

**BMC50479I**  
\textit{TOTAL PAGES: availablePages, ALLOWED: allowedAvailablePages; AVAILABLE PAGES: freePages, ALLOWED: allowedFreePages}  
\textit{Explanation:} This message displays the following information:

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL PAGES</td>
<td>Number of available 4-KB pages, obtained from the system. \textit{Available pages} are defined as underutilitized pages that are available for use.</td>
</tr>
<tr>
<td>ALLOWED</td>
<td>Percentage of total available pages allowed by the utility \textbf{Note:} For LOADPLUS, this value is the value specified for the TOTALPAGEPCT option.</td>
</tr>
<tr>
<td>AVAILABLE PAGES</td>
<td>Number of free 4-KB pages, obtained from the system. \textit{Free pages} are defined as pages that have not been used.</td>
</tr>
<tr>
<td>ALLOWED</td>
<td>Percentage of free pages allowed by the utility, as specified with the AVAILPAGEPCT option</td>
</tr>
</tbody>
</table>

Because available pages are subject to more system paging than free pages, available pages are more likely to affect system performance.

\textit{User response:} No action is required. However, you can use this information to help improve performance. For additional performance information, see the reference manual for the utility that you are running.
MINIMUM MEMORY OF \( n \)K REQUIRED FOR EFFICIENT SORTING IS NOT AVAILABLE. PROCESSING CONTINUES

Explanation: The utility determined that the amount of memory that is available for sorting is not the optimal amount. However, you specified or defaulted to SHORTMEMORY CONTINUE, and enough memory is available to continue sort processing. The value displayed is the total memory that is needed to run all sort processes optimally.

For more information about how the utility handles memory shortages, see the description of the SHORTMEMORY option in the reference manual for the utility that you are running.

User response: No action is required. However, one of the following options can improve the sort efficiency for future jobs:

- Increase your region size, if possible.
- Limit the scope of the job that you are running to reduce the amount of work that the utility needs to do.
- Message BMC50474I reports the memory that is available to the utility at the time of optimization. If the value for ABOVE as shown in BMC50474I is substantially less than the value for your REGION parameter, your system might have a memory-limiting exit active. In this case, contact your systems programmer to increase the limit, if possible.

Note

Standard path is the term that the sort routine uses to indicate that it is using a method of sort processing that is less than optimal.

For more information about how the utility handles memory shortages, see the description of the SHORTMEMORY option in the reference manual for the utility that you are running.

User response: No action is required. However, one of the following options can improve the sort efficiency for future jobs:

- Increase your region size, if possible.
Limit the scope of the job that you are running to reduce the amount of work that the utility needs to do.

Message BMC50474I reports the memory that is available to the utility at the time of optimization. If the value for ABOVE as shown in BMC50474I is substantially less than the value for your REGION parameter, your system might have a memory-limiting exit active. In this case, contact your systems programmer to increase the limit, if possible.

**BMC50480E**  MINIMUM MEMORY OF nK REQUIRED FOR EFFICIENT SORTING IS NOT AVAILABLE. PROCESSING TERMINATING

Explanation: The utility determined that the amount of memory that is available for sorting is not the optimal amount. However, you specified or defaulted to SHORTMEMORY FAIL, or you specified SHORTMEMORY CONTINUE but available virtual memory is insufficient. The value displayed is the total memory that is needed to run all sort processes optimally. Processing terminated.

For more information about how the utility handles memory shortages, see the description of the SHORTMEMORY option in the reference manual for the utility that you are running.

User response: Use one or more of the following options:

- If you specified SHORTMEMORY FAIL, ensure that the value for MINSORTMEMORY is either 0 or greater than 1280. BMC recommends 0.
- Increase your region size, if possible.
- Limit the scope of the job that you are running to reduce the amount of work that the utility needs to do.
- Message BMC50474I reports the memory that is available to the utility at the time of optimization. If the value for ABOVE as shown in BMC50474I is substantially less than the value for your REGION parameter, your system might have a memory-limiting exit active. In this case, contact your systems programmer to increase the limit, if possible.

**BMC50481I**  taskNumber: task TASK COMPLETE. ELAPSED TIME = time

Explanation: The indicated task completed with the indicated elapsed time.

User response: No action is required.

**BMC50482I**  taskNumber: task COMPLETE. ELAPSED TIME = time DSN = dataSetName

Explanation: The indicated task completed with the indicated elapsed time.

User response: No action is required.
BMC50483I  ddtype DSNPAT=pattern
Explanation:  This message displays the pattern for the name of the data set that this utility will dynamically allocate. The ddtype identifies the data set type to which the pattern applies.
User response:  No action is required.

BMC50484I  ESTIMATED CARDINALITY OF objectType objectName = n AVG SORTWK ROW LENGTH = n AVG UNLOAD ROW LENGTH = n
Explanation:  The ANALYZE phase estimated or exactly calculated the cardinality of either the specified table in the nonpartitioned table space or the specified partition of the partitioned table space. The phase also estimated the average row length. ESTIMATED is omitted from this message when the calculation is exact.
User response:  No action is required.

BMC50485I  ESTIMATED CARDINALITY OF objectType objectName = n
Explanation:  The ANALYZE phase estimated or exactly calculated the cardinality of the specified partition or table. ESTIMATED is omitted from this message when the calculation is exact.
User response:  No action is required.

BMC50486I  taskNumber: BMCSORT STARTED, nK BELOW 16M, nK TOTAL MEMORY, n PAGES HYPERSPACE
Explanation:  This message indicates that sort processing has started. The message displays the amount of memory below the line, the maximum amount of memory, and the number of 4-KB pages of hyperspace that the utility allows for the sort task. The utility displays a separate message for each sort task.
User response:  No action is required.

BMC50487E  DDNAME PREFIX prefix IS NOT PERMITTED WHEN type TABLESPACES ARE BEING PROCESSED. DDNAME ddname
Explanation:  Your JCL includes at least one DD statement that conflicts with a reserved prefix for the indicated type of table space.
User response:  Change the DD statement in your JCL and, if necessary, any utility command option that provides a ddname prefix. Resubmit your job. For information about which prefixes are reserved, see the reference manual for the utility that you are running.

BMC50489I  -DISPLAY COMMAND ISSUE AT - timestamp
Explanation:  This message displays the date and time that the utility issued a DB2 DISPLAY LOCKS command. The DISPLAY LOCKS command, which the utility issues immediately after a drain timeout, shows the locks that are held at that time.
User response:  No action is required.
BMC50490E 'module' MODULE INCOMPATIBLE WITH THIS RELEASE

Explanation: The specified options module was assembled with a macro from a different version of the utility than the one that you are using.

User response: To use this version of the utility, you must install the corresponding installation options macro and reassemble. For more information, see the Utility Products for DB2 Installation Guide.

BMC50491I RECALL IN PROGRESS FOR DATASET 'dataSetName'

Explanation: The utility detected that one of the data sets that is participating in the utility job has been migrated. The utility is recalling the data set. The utility issues message BMC50492I when the recall completes successfully.

User response: No action is required.

BMC50492I RECALL SUCCESSFUL FOR DATASET 'dataSetName'

Explanation: This message follows message BMC50491I. The utility successfully recalled the migrated data set.

User response: No action is required.

BMC50493I DYNAMIC SQL CACHE FLUSH FAILED FOR objectType NAME objectName

RC=returnCode REASON=reasonCode functionDescription reasonCodeDescription

Explanation: The utility was unable to flush the dynamic SQL cache for the indicated index or table space. The message displays information returned from the SCC component about the function that the component was attempting to perform and the reason for the failure.

User response: No action is required.

BMC50494I encodingScheme ENCODED TABLESPACE'S CCSIDS, (sbcs,mixed,dbcs), DIFFER FROM THOSE IN DSNHDECP

Explanation: The CCSIDs that are defined on the table space on which the utility is operating are not the same as the CCSIDs that are defined in the DSNHDECP that the utility is using. The utility continues processing, using the CCSIDs that are defined on the table space.

User response: No action is required.

BMC50495E UNDEFINED ENCODING SCHEME FOR TABLESPACE, (X'ccsid')

Explanation: The encoding scheme defined on the table space either is blank or is not a valid encoding scheme. The utility terminated.

User response: Correct the table space definition and resubmit the job.

BMC50496I columnType COLUMN columnName CCSID (ccsid) DIFFERS FROM THOSE FOR TABLESPACE (sbcs,mixed,dbcs)

Explanation: The CCSID that is defined on the specified column is not the same as the CCSID that is defined on the table space for the type of data in that
column. The utility continues processing, using the CCSID that is defined on
the table space.

User response: No action is required.

**BMC50497I**

**HEXDUMP GENERATED BY** `routineName` **OF** `area`, **LENGTH=**`length`

**Explanation:** The utility issues this message when it needs a block of storage for
diagnostic purposes. The routine requested a dump of the area for the length
shown in this message.

Print lines that show the contents of the area follow the header line of this
message. Each line can display up to 32 bytes, and each line is in the following
format:

```
ADDRESS   OFFSET   DATA IN HEX FORMAT   DATA IN PRINT FORMAT
```

This message displays the following information:

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDRESS</td>
<td>8-byte hexadecimal address of the first byte that is displayed on this line</td>
</tr>
<tr>
<td>OFFSET</td>
<td>Hexadecimal offset of the first byte of this line from the first byte in the area</td>
</tr>
<tr>
<td>DATA IN HEX FORMAT</td>
<td>Data bytes displayed in hexadecimal format (two characters per byte)</td>
</tr>
<tr>
<td>DATA IN PRINT FORMAT</td>
<td>Data bytes in print format</td>
</tr>
</tbody>
</table>

User response: No action is required.

**BMC50498U**

**UNEXPECTED ERROR** `error` **IN MODULE 'module', information1=value, information2=value**

**Explanation:** This message indicates that an internal error occurred. The
message usually precedes a utility abend. This message displays additional
information that assists BMC Customer Support in determining the problem.

If this message includes the text `storage obtain failed`, your SMF
MEMLIMIT parameter or your REGION specification might not be sufficient.
For more information, see the reference manual for the utility that you are
running.

User response: Check any additional associated messages and any abend reason
codes. If you are unable to resolve the problem, contact BMC Customer
Support.
BMC50499U  **UNEXPECTED ERROR error IN MODULE 'module'**

*Explanation:* This message indicates that an internal error occurred. The message usually precedes a utility abend.

*User response:* Review any additional associated messages and any abend reason codes. If you are unable to resolve the problem, contact BMC Customer Support.

BMC50499W  **UNEXPECTED ERROR error IN MODULE 'module'**

*Explanation:* This message indicates that an internal error occurred. The message usually precedes a utility abend.

*User response:* See any additional associated messages for the correct response.

**Messages BMC50500 through BMC50599**

For the Utility products for DB2, this topic explains each message in the designated range.

BMC50500I  **DRQFUNC(functionCode) = functionName, DRQEC(errorCode) = errorDescription, DB2 REASON CODE (IF AVAILABLE) = reasonCode**

*Explanation:* The utility encountered an unrecoverable error and processing terminated. The variable *functionName* is the function that was running when the error (displayed in *errorDescription*) occurred.

*User response:* If a DB2 reason code is displayed, you can find information about it in the IBM DB2 messages and codes documentation. If you can determine the cause of the error from the information in this message, correct the problem and resubmit the job. Otherwise, contact BMC Customer Support.

BMC50501I  **DB2 OBJECT STATISTICS**

*Explanation:* This is the heading for the statistics reported in subsequent messages that are associated with the DB2 object.

*User response:* No action is required.

BMC50502I  **THE BMCSSTATS FOR OBJECT 'objectName' ARE MISSING OR INCOMPLETE. 'ANALYZE SAMPLE' WILL BE SUBSTITUTED.**

*Explanation:* The utility could not use the statistics from BMCSSTATS for the table space or index because the statistics were missing or incomplete. The utility will run the job using ANALYZE SAMPLE.

*User response:* Run BMCSSTATS to populate the statistics tables before resubmitting the job.
**BMC50503I**  STATISTICS FOR `objectType` `'objectName'` NOT AVAILABLE

*Explanation:* The utility cannot gather and report statistics for this table space, table, or index because of the type of load (LOADPLUS) or reorganization (REORG PLUS) that you are performing. For information, see the description of the BMCSTATS or UPDATEDB2STATS option in the reference manual for the utility that you are running.

*User response:* No action is required.

**BMC50509I**  STATISTICS COLLECTION FOR `spaceType` SPACE `spaceName` BYPASSED DUE TO reason

*Explanation:* You specified BMCSTATS YES or UPDATEDB2STATS YES to collect and update statistics during this job. However, the utility cannot collect statistics for the indicated reason:

<table>
<thead>
<tr>
<th>Reason</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEFINE NO OBJECT NOT MATERIALIZED</td>
<td>The indicated table space or index space is defined as DEFINE NO and has not been materialized.</td>
</tr>
<tr>
<td>PARTIAL TABLE SPACE REORG</td>
<td>REORG PLUS bypassed a nonpartitioned index that was participating in a partial reorganization.</td>
</tr>
<tr>
<td>LOB <code>spaceType</code> SPACE REORG</td>
<td>The indicated space is a LOB (auxiliary) space.</td>
</tr>
</tbody>
</table>

*User response:* No action is required.

**BMC50515I**  TABLESPACE `databaseName.tableSpaceName` PARTS = p TABLES = t SEGSIZE = n DSSIZE = dG PAGESIZE = psK

*Explanation:* This message provides the following statistical information about the table space:

<table>
<thead>
<tr>
<th>Statistic</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARTS</td>
<td>Number of partitions in the table space</td>
</tr>
<tr>
<td>TABLES</td>
<td>Number of tables in the table space</td>
</tr>
<tr>
<td>SEGSIZE</td>
<td>Number of pages in each segment</td>
</tr>
<tr>
<td>DSSIZE</td>
<td>Maximum partition size</td>
</tr>
<tr>
<td>PAGESIZE</td>
<td>Page size of the table space</td>
</tr>
</tbody>
</table>

*User response:* No action is required.

**BMC50516I**  PART NACTIVE CARD EXTENTS DBCARD PCOMP KSAVED PSAVED

*Explanation:* This message is the report heading for the information provided in messages BMC50515I and BMC50517I. The information provides the statistics that are associated with a table space partition. For REORG PLUS, these statistics do not reflect activity that occurs during the LOGAPPLY phase.
A brief description of each heading follows:

<table>
<thead>
<tr>
<th>Heading</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PART</td>
<td>Partition number</td>
</tr>
<tr>
<td>NACTIVE</td>
<td>Number of active pages in the partition</td>
</tr>
<tr>
<td>CARD</td>
<td>Number of rows in the partition</td>
</tr>
<tr>
<td>EXTENTS</td>
<td>Number of extents that are used for space allocation</td>
</tr>
<tr>
<td>DBCARD</td>
<td>Number of rows in the partition that are used to build the compression dictionary</td>
</tr>
<tr>
<td>PCOMP</td>
<td>Percentage of rows in the partition that are compressed (which does not include rows that are compressed by EDITPROC processing)</td>
</tr>
<tr>
<td>KSAVED</td>
<td>Number of kilobytes that are saved by compression</td>
</tr>
<tr>
<td>PSAVED</td>
<td>Percentage of bytes that are saved by compression</td>
</tr>
</tbody>
</table>

User response: No action is required.

**BMC50517I**

**statistics**

*Explanation:* This information is the statistical data for the table space partitions cited by messages BMC50515I and BMC50516I.

*User response:* No action is required.

**BMC50518I**

**TABLE** `tableCreator.tableName`

*Explanation:* This message is the heading for the statistical information that messages BMC50519I and BMC50520I provide.

If the creator or table name is longer than the available space for these names, the utility truncates the name. The utility indicates the truncation with the appropriate set of angle brackets, based on the value of the LONGNAMETRUNC option.

*User response:* No action is required.

**BMC50519I**

**ROWAVG NPAGES CARD PCTPAGES**

*Explanation:* This message is the report heading for the table information that message BMC50520I provides. For REORG PLUS, these statistics do not reflect activity that occurs during the LOGAPPLY phase.

A brief description of each heading follows:
<table>
<thead>
<tr>
<th>Heading</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROWAVG</td>
<td>Average row length</td>
</tr>
<tr>
<td>NPAGES</td>
<td>Number of pages containing rows of the table</td>
</tr>
<tr>
<td>CARD</td>
<td>Number of rows in the table</td>
</tr>
<tr>
<td>PCTPAGES</td>
<td>Percentage of table space pages containing rows from this table. If the table space is segmented, this value is the percentage of total pages in the set of segments that are assigned to this table.</td>
</tr>
</tbody>
</table>

*User response:* No action is required.

### BMC50520I statistics

**Explanation:** This information is the statistical data for the tables cited by messages BMC50518I and BMC50519I.

*User response:* No action is required.

### BMC50525I INDEX indexCreator.indexName

**Explanation:** This message is the heading for the statistical information that messages BMC50526I through BMC50529I provide.

*User response:* No action is required.

### BMC50526I FIRST KEY COLUMN = columnName

**Explanation:** This message provides the name of the first key column for the index identified in message BMC50525I. For XML indexes, the following columnName value indicates the type of index for which statistics are being reported:

- DOCID indicates a node ID index.
- XMLDATA indicates an XML index.

*User response:* No action is required.

### BMC50527I CLUSTER = value UNIQUE = value COMPRESS = value PAGESIZE = psK KEYLEN = length COLCOUNT = n

**Explanation:** This message provides the following statistical information about the index:

<table>
<thead>
<tr>
<th>Statistic</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLUSTER</td>
<td>The value that was specified for CLUSTER when the index was created (Y or N)</td>
</tr>
</tbody>
</table>
### Statistic Description

<table>
<thead>
<tr>
<th>Statistic</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIQUE</td>
<td>Whether the index is unique (U), primary (P), or allows duplicate keys (D)</td>
</tr>
<tr>
<td>COMPRESS</td>
<td>Whether the index is compressed (Y or N)</td>
</tr>
<tr>
<td>PAGESIZE</td>
<td>Page size of the index</td>
</tr>
<tr>
<td>KEYLEN</td>
<td>Length of the key</td>
</tr>
<tr>
<td>COLCOUNT</td>
<td>Number of columns in the key</td>
</tr>
</tbody>
</table>

*User response: No action is required.*

#### BMC50528I

**PART NACTIVE CARD EXTENTS LEVELS**

*Explanation:* This message is the report heading for the index partition information that message BMC50529I provides. For REORG PLUS, these statistics do not reflect activity that occurs during the LOGAPPLY phase.

A brief description of each heading follows:

<table>
<thead>
<tr>
<th>Heading</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PART</td>
<td>Partition number</td>
</tr>
<tr>
<td>NACTIVE</td>
<td>Number of active pages in the partition</td>
</tr>
<tr>
<td>CARD</td>
<td>Number of rows referenced by the partition</td>
</tr>
<tr>
<td>EXTENTS</td>
<td>Number of extents that are used for space allocation</td>
</tr>
<tr>
<td>LEVELS</td>
<td>Number of levels in the index tree</td>
</tr>
</tbody>
</table>

*User response: No action is required.*

#### BMC50529I

**statistics**

*Explanation:* This information is the statistical data for the index partitions related to the report and heading information that message BMC50528I provides.

*User response: No action is required.*

---

### Messages BMC50600 through BMC50699

For the Utility products for DB2, this topic explains each message in the designated range.
BMC50601E  UNSUPPORTED/INVALID IDCAMS COMMAND 'command' FOUND, DSN = n
LINE = lineNumber

Explanation: A command other than DEFINE, DELETE, SET, or IF-THEN-ELSE was specified in the SYSIDCIN data set. The variable n indicates the number of the concatenation. The first data set in the concatenation is 1, the second data set is 2, and so on.

User response: Correct your IDCAMS command statement in the SYSIDCIN data set and resubmit the job. For guidelines, see the SYSIDCIN data set description in Chapter 4 of the reference manual for the utility that you are running.

BMC50602E  DATASET NAME NOT FOUND OR INCOMPLETE 'dataSetName', COMMAND 'command', DSN = n LINE = lineNumber

Explanation: The utility cannot find a valid data set name for the specified command. The utility considers data sets incomplete if:

- The data set name continues to another line using the IDCAMS symbol "+".
- The NAME parameter and following left parenthesis are separated by one or more blanks.

The variable n indicates the number of the concatenation. The first data set in the concatenation is 1, the second data set is 2, and so on.

User response: Correct your IDCAMS command statement in the SYSIDCIN data set and resubmit the job. For guidelines, see the SYSIDCIN data set description in Chapter 4 of the reference manual for the utility that you are running.

BMC50603E  DATASET NAME 'dataSetName' DIFFERS FROM PREVIOUS NAME, COMMAND 'command', DSN = n LINE = lineNumber

Explanation: For an IF command, the previous DEFINE or DELETE data set name is not the same as the dataSetName shown in this message. All data sets referenced by the DEFINE and DELETE commands in a single IF command must be the same. The variable n indicates the number of the concatenation. The first data set in the concatenation is 1, the second data set is 2, and so on.

User response: Correct your IDCAMS command statement in the SYSIDCIN data set and resubmit the job. For guidelines, see the SYSIDCIN data set description in Chapter 4 of the reference manual for the utility that you are running.

BMC50604I  NAME 'dataSetName' DOES NOT MATCH ANY DB2 OBJECT USED, COMMAND 'command', DSN = n LINE = lineNumber

Explanation: The specified IDCAMS command references a data set name that is not contained in the objects that are being reorganized or loaded. The
command is ignored. The variable \( n \) indicates the number of the concatenation. The first data set in the concatenation is 1, the second data set is 2, and so on.

**User response:** No action is required. However, if you determine that the command statement was in error, correct the problem and resubmit the job. For guidelines, see the SYSIDCIN data set description in Chapter 4 of the reference manual for the utility that you are running.

**BMC50605I**  
**UNABLE TO MATCH COMMAND 'command' WITH ANY PREVIOUS DATASET NAME, DSN = n LINE = lineNumber**

*Explanation:* Commands that do not reference a data set name are matched with the immediately preceding command that includes a data set name reference. No previous command with a data set name exists for the specified command. The variable \( n \) indicates the number of the concatenation. The first data set in the concatenation is 1, the second data set is 2, and so on.

**User response:** No action is required. For guidelines, see the SYSIDCIN data set description in Chapter 4 of the reference manual for the utility that you are running.

**BMC50606E**  
**INCOMPLETE IDCAMS COMMAND 'command', DSN = n LINE = lineNumber**

*Explanation:* The end of the specified command or the end of file was reached before the command was complete. The variable \( n \) indicates the number of the concatenation. The first data set in the concatenation is 1, the second data set is 2, and so on.

**User response:** Correct your IDCAMS command statement in the SYSIDCIN data set and resubmit the job. For guidelines, see the SYSIDCIN data set description in Chapter 4 of the reference manual for the utility that you are running.

**BMC50607I**  
**CI SIZE FOR DATASET 'dataSetName' IS \( n1 \). EXPECTED CI SIZE IS \( n2 \)**

*Explanation:* Based on the value for the DSVCI system parameter and the page size for the buffer that is defined on the table space, the utility expected a different control interval (CI) size for the indicated data set. However, the CI size is valid, so the utility continues processing.

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

**BMC50608E**  
**DATASET 'dataSetName' HAS AN INVALID CI SIZE OF \( n \)**

*Explanation:* The control interval (CI) size that was specified in an IDCAMS DEFINE statement is not valid for the indicated data set. The CI size must be either 4 KB or the page size for the buffer that is defined on the object. The utility fails with return code 12.

**User response:** Correct your IDCAMS DEFINE statement and resubmit the job.
<table>
<thead>
<tr>
<th>Code</th>
<th>Message</th>
<th>Explanation</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC50617E</td>
<td><strong>OBTAIN DSCB INFORMATION FOR DDNAME = 'ddname' FAILED, RC = returnCode</strong></td>
<td>This message indicates that an internal error occurred. The utility terminated.</td>
<td>Contact BMC Customer Support and provide the information in this message.</td>
</tr>
<tr>
<td></td>
<td><strong>Explanation:</strong> This message indicates that an internal error occurred. The utility terminated.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>User response:</strong> Contact BMC Customer Support and provide the information in this message.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMC50618E</td>
<td>**GETDSAB '{FIRST</td>
<td>LAST}' REQUEST FAILED, RC = returnCode, RSN = reasonCode**</td>
<td>This message indicates that an internal error occurred. The utility terminated.</td>
</tr>
<tr>
<td></td>
<td><strong>Explanation:</strong> This message indicates that an internal error occurred. The utility terminated.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>User response:</strong> Contact BMC Customer Support and provide the information in this message.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMC50619E</td>
<td><strong>GETDSAB REQUEST FAILED FOR DDNAME 'ddname', RC = returnCode, RSN = reasonCode</strong></td>
<td>This message indicates that an internal error occurred. The utility terminated.</td>
<td>Contact BMC Customer Support and provide the information in this message.</td>
</tr>
<tr>
<td></td>
<td><strong>Explanation:</strong> This message indicates that an internal error occurred. The utility terminated.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>User response:</strong> Contact BMC Customer Support and provide the information in this message.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMC50620E</td>
<td><strong>THE OBJECT 'tableCreator.tableName' IS AN AUXILIARY TABLE FOR WHICH THE REQUESTED OPERATION IS NOT PERMITTED</strong></td>
<td>The utility attempted an operation that is not allowed. The utility cannot execute on an auxiliary table.</td>
<td>No action is required.</td>
</tr>
<tr>
<td></td>
<td><strong>Explanation:</strong> The utility attempted an operation that is not allowed. The utility cannot execute on an auxiliary table.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>User response:</strong> No action is required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMC50630E</td>
<td><strong>ENCRYPTION API ERROR: functionName RC=returnCode</strong></td>
<td>You attempted to unload an encrypted copy that was created by COPY PLUS, but an error occurred. This message provides information about the function that was being performed and the return code that the BMC encryption component returned.</td>
<td>Ensure that the following requirements have been met:</td>
</tr>
<tr>
<td></td>
<td><strong>Explanation:</strong> You attempted to unload an encrypted copy that was created by COPY PLUS, but an error occurred. This message provides information about the function that was being performed and the return code that the BMC encryption component returned.</td>
<td></td>
<td>- The job is running on a processor that supports encryption.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- A key data set was specified with the KEYDSNAM installation option, and the data set exists.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- The key data set is not empty and is formatted correctly.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>If you have met these requirements and the utility continues to issue this error message, contact BMC Customer Support.</td>
</tr>
</tbody>
</table>
ESTABLISHING A POINT OF CONSISTENCY FOR:

Explanation: The utility is attempting to establish a point of consistency for the objects that are shown in message BMC50651I.

User response: No action is required.

SPACE databaseName.spaceName PART(partitionNumber)

Explanation: This message accompanies message BMC50650I and lists the objects for which the utility is establishing a point of consistency.

User response: No action is required.

DYNAMIC BIND API HAS RETURNED RC = returnCode, REAS = reason. bindMessage

Explanation: This message provides more information from the bind process when the bind process returns a return code of 8 or greater. Message BMC50653E follows this one and provides more information about the package.

One of the following bind messages is displayed:

<table>
<thead>
<tr>
<th>Message</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>INITIALIZATION FAILED</td>
<td>This message is displayed with return code 12 or 16. If return code 12 is displayed, an invalid version of the API is being used. The reason variable displays your API version. If return code 16 is displayed, see message BMC50653E for more information.</td>
</tr>
<tr>
<td>ADD UNIT FAILED</td>
<td>This message is displayed with return code 16 and means that the call to add unit information failed.</td>
</tr>
<tr>
<td>SET CONNECTION FAILED</td>
<td>This message is displayed with return code 16 and means that the connection call failed.</td>
</tr>
<tr>
<td>BOOTSTRAP FAILED</td>
<td>This message is displayed with return code 8, 12, or 16. See message BMC50652I for a description of the error.</td>
</tr>
</tbody>
</table>

User response: No action is required. However, the bind process message that this message displays might require user action. See also message BMC50653E.

PACKAGE collectionID.packageID IS NOT USEABLE. IF IT HAS BEEN BOUND SUCCESSFULLY, CHECK BIND OF PLAN planName

Explanation: The utility attempted to use the indicated package, but the package is not usable. The utility terminated processing.
This problem can occur if the bind process reported that the package was bound successfully but there was a problem with the bind of the associated plan during product installation.

**User response:** Ensure that the unit specified in the utility's WORKUNIT installation option is accessible for the dynamic bind process. To obtain more information about this problem, you can send a trace of the bind processing messages to the utility SYSPRINT by adding the following statement to your JCL and resubmitting the utility job:

```plaintext
//BPKGTRAK DD DUMMY
```

If you are able to determine the problem, correct it and resubmit the utility job. Otherwise, contact BMC Customer Support.

**BMC50654I**

**BIND OF PACKAGE collectionID.packageID COMPLETED status**

*Explanation:* The utility finished the bind process for the indicated package and indicates whether the process was successful or unsuccessful. If the bind process was unsuccessful, the utility also issues message BMC50653E.

*User response:* No action is required.

**BMC50655I**

**taskNumber: BUF MGR TOTAL GETS = n**

*Explanation:* This message and BMC50656I provide statistics for the buffer manager following index processing. This message provides the total number of GET requests made to the buffer manager for the index data set indicated in message BMC50656I.

*User response:* No action is required.

**BMC50656I**

**taskNumber: BUF MGR FOR INDEX = dataSetName, GETS = n, PUTS = n**

*Explanation:* This message and BMC50655I provide statistics for the buffer manager following index processing. This message provides the number of GET I/Os and PUT I/Os for the indicated index data set.

*User response:* No action is required.

---

**Messages BMC50700 through BMC50799**

For the Utility products for DB2, this topic explains each message in the designated range.

**BMC50700S**

**INTERNAL ERROR: FILE fileName, LINE lineNumber**

*Explanation:* An internal error occurred during processing.

*User response:* Contact BMC Customer Support with the file and line information. Additional diagnostic messages and trace information might also
be displayed. If a DD statement is present for SYSERR, the utility produces a snap dump that can be useful in diagnosing the problem.

**BMC50701I**

**DIAGNOSTICS:** *text*

*Explanation:* This message displays diagnostic information for analyzing internal errors.

*User response:* Contact BMC Customer Support with this information and any information from preceding diagnostic messages.

**BMC50702I**

**LOG PROCESSING STARTED AT** *timestamp*

*Explanation:* The log control task started.

*User response:* No action is required.

**BMC50703I**

**LOG PROCESSING COMPLETED, RC =** *returnCode*, **AT** *timestamp*, **ELAPSED TIME =** *time*

*Explanation:* The log processing for the reorganization completed.

*User response:* If the return code is not zero, check the preceding messages.

**BMC50704E**

**ATTACH FAILURE, RC =** *returnCode*, **TASK =** *taskType*, **AT** *timestamp*

*Explanation:* The log control task cannot attach a subtask. The return code value was received from MVS attach.

*User response:* Check the return code value in the MVS documentation.

**BMC50705I**

*text*

*Explanation:* The text shown in this message is output from a facility that this product uses (for example, DB2 SQL, DB2 call attachment facility, DB2 instrumentation facility, or IDCAMS).

*User response:* Examine the context of this message to determine whether any action is required.

**BMC50706I**

**MONITOR TRACE CLASS (1) STARTED, TRACE NUMBER =** *traceNumber*

*Explanation:* A trace with the number shown in this message has been started to capture DB2 log records.

*User response:* No action is required.

**BMC50707E**

**ERROR STARTING MONITOR TRACE CLASS (1), RC =** *returnCode*

*Explanation:* An error occurred during an attempt to start the DB2 log capture trace.

*User response:* Review the diagnostic messages that follow this message to determine whether you can correct the error. If you need additional assistance, contact BMC Customer Support.
BMC50708I  DB2CA RC=returnCode REASON CODE=reasonCode

**Explanation:** This message displays the return code and reason code from the DB2 communications area for a failed DB2 command.

**User response:** Use this data and the messages that precede and follow this message to determine the nature of the error.

BMC50709I  MONITOR TRACE CLASS (1) TRACE NUMBER = traceNumber STOPPED

**Explanation:** The DB2 log capture trace with the number shown in this message has been stopped.

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

BMC50710W  ERROR STOPPING MONITOR TRACE CLASS (1), RC = returnCode

**Explanation:** An error occurred during an attempt to stop the DB2 log capture trace.

**User response:** Review the diagnostic messages that follow this message to determine whether you can correct the error. You can manually terminate the trace by using the following command, where `traceNumber` is the trace number:

```
-STOP TRACE(MON) CLASS(1) TNO(traceNumber)
```

BMC50711W  UNABLE TO STOP MONITOR TRACE CLASS (1) DUE TO END-OF-TASK CONDITION

**Explanation:** The utility cannot stop the DB2 log capture trace due to an end-of-task condition (for example, the job was canceled).

**User response:** You can manually terminate the trace by using the following command, where `traceNumber` is the trace number:

```
-STOP TRACE(MON) CLASS(1) TNO(traceNumber)
```

BMC50712E  ERROR SETTING UP LOGSCAN ESTAE, RC = returnCode

**Explanation:** The initialization of an ESTAE failed with the return code indicated in this message.

**User response:** Contact BMC Customer Support.

BMC50713E  USER LACKS SUFFICIENT MONITORING AUTHORITY

**Explanation:** The primary authorization ID of the process that runs the program must have MONITOR1 or MONITOR2 privileges.

**User response:** Obtain the proper privilege, or run the program with a different authorization ID.

BMC50714E  ERROR PROCESSING LOG RECORDS, IFI RC = returnCode

**Explanation:** An error occurred during processing of a DB2 instrumentation facility interface (IFI) call.

**User response:** Review the diagnostic messages that follow this message to determine whether you can correct the error. If you need additional assistance, contact BMC Customer Support.
**BMC50715S**  
**UNSUCCESSFUL CONNECT TO DB2 SUBSYSTEM/GROUP ssid USING PLAN planName IN LOGSCAN**

*Explanation:* The program cannot connect to the indicated subsystem or group attach name using the plan name indicated in this message and using the DB2 call attachment facility (CAF).

*User response:* Review the accompanying DB2 CAF diagnostic messages. Possibly, the plan is not bound on the subsystem, or you are not authorized to execute the plan. If the plan name is incorrect, check the assembled options module to determine the plan name.

**BMC50716I**  
**taskNumber: text**

*Explanation:* This message is displayed in conjunction with messages BMC50717I and BMC50718I. This message provides the heading that describes the type of statistics being displayed from the buffer manager (for example, PARTITIONING IX BUFFER STATISTICS).

*User response:* No action is required.

**BMC50717I**  
**taskNumber: DATASET=dataSetName**

*Explanation:* This message is displayed in conjunction with messages BMC50716I and BMC50718I. This message displays the data set name for which the buffer manager statistics apply.

*User response:* No action is required.

**BMC50718I**  
**statisticType value | statisticType value**

*Explanation:* This message is displayed in conjunction with messages BMC50716I and BMC50717I. This message provides buffer manager statistics (for example, read counts, write counts, wait counts, and number of new pages) for the data set listed in message BMC50717I.

*User response:* No action is required.

**BMC50719I**  
**n LOG APPLY TASKS, n INDEX APPLY TASKS, AVAILABLE MEMORY: nK**

*Explanation:* This message displays the maximum number of log apply tasks and index apply tasks that the utility will attempt to allocate for the log apply process. This message also displays the amount of memory available for the log apply process.

*User response:* No action is required.

**BMC50720I**  
**taskNumber: n NEW LOG APPLY BUFFERS, n REUSED, n INITIAL MAXIMUM, n WAITS, BUFFER SIZE=size**

*Explanation:* This message displays buffer information for the log apply process. The initial maximum value is the number of buffers that the utility determined that it needs for each log apply task.

*User response:* No action is required. However, the information displayed in this message can help you tune performance of the utility.
BMC50730S  taskNumber: WRITE ECB ABNORMAL COMPLETION CODE = X'completionCode'

Explanation: A write operation on a data set completed with the abnormal return code shown in this message. An accompanying message displays the data set name.

User response: Contact BMC Customer Support.

BMC50731S  taskNumber: ECB ABNORMAL COMPLETION CODE = X'completionCode'

Explanation: A write operation on a data set completed with the abnormal return code shown in this message. An accompanying message displays the data set name.

User response: Contact BMC Customer Support.

BMC50732I  taskNumber: I/O REQUEST ELEMENT FLAG = X'flag'

Explanation: This message provides more information for an I/O error.

User response: Review the accompanying messages and contact BMC Customer Support.

BMC50733S  taskNumber: WRITE REQUEST ERROR, RC = returnCode

Explanation: A write error occurred with the return code shown in this message.

User response: Contact BMC Customer Support.

BMC50734S  taskNumber: READ REQUEST ERROR, RC = returnCode

Explanation: A read error occurred with the return code shown in this message.

User response: Contact BMC Customer Support.

BMC50736S  taskNumber: ERROR DURING AUTHORIZATION SWITCH, RC = returnCode, FUNCTION = functionName

Explanation: The options for this utility indicate that the utility is to use DB2's RACF security authorization to open DB2 data sets. A failure occurred while attempting to switch the RACF authorization ID.

User response: If your security system is not RACF, specify OPNDB2ID=NO in the options module for the BMC utility that you are running. Ensure that you have the required authorization on the necessary data sets.

If you are using RACF, contact BMC Customer Support.

BMC50737I  taskNumber: EXTEND SUCCESSFUL FOR DATASET dataSetName

Explanation: A VSAM EXTEND was successful for the indicated data set.

User response: No action is required.
### BMC50738I
**taskNumber:** ATTEMPTING ALLOCATION FOR NEW MULTI DATASET
**dataSetName**

*Explanation:* A VSAM CREATE is being attempted for the indicated data set in a multi-data-set table space.

*User response:* No action is required.

### BMC50739I
**taskNumber:** ALLOCATION SUCCESSFUL FOR NEW MULTI DATASET
**dataSetName**

*Explanation:* A VSAM CREATE was successful for the indicated data set.

*User response:* No action is required.

### BMC50740E
**FAILURE IN REORG/LOG APPLY INTERFACE, RC =** *returnCode*

*Explanation:* The interface received invalid data.

*User response:* Contact BMC Customer Support.

### BMC50741I
**taskNumber:** LOGAPPLY STATISTICS

*Explanation:* This message is the header message for statistics from a log apply task.

*User response:* No action is required.

### BMC50742I
**taskNumber:** PROCESSED TRANSACTIONS

*Explanation:* This heading message indicates that the following messages refer to counts for log records that were received at the log exit.

*User response:* No action is required.

### BMC50743I
**taskNumber:** CONSOLIDATED TRANSACTIONS

*Explanation:* This heading message indicates that the following messages refer to counts for log records that were calculated after multiple records for the same row were combined.

*User response:* No action is required.

### BMC50744I
**taskNumber:** INSERTS: *n* INSERTS (COMPENSATION): *n*

*Explanation:* This message displays the number of insert records that were found in both the regular and rollback portions of the transactions.

*User response:* No action is required.

### BMC50745I
**taskNumber:** UPDATES: *n* UPDATES (COMPENSATION): *n*

*Explanation:* This message displays the number of update records that were found in both the regular and rollback portions of the transactions.

*User response:* No action is required.
BMC50746I  
**taskNumber**: DELETES: n DELETES (COMPENSATION): n  
**Explanation**: This message displays the number of delete records that were found in both the regular and rollback portions of the transactions.  
**User response**: No action is required.  

BMC50747I  
**taskNumber**: PAGES UPDATED COUNTERS FOR databaseName.tableSpaceName  
**Explanation**: This message is the heading for information that subsequent messages (BMC50748I and BMC50749I) report for the indicated table space.  
**User response**: For the data, see subsequent messages.  

BMC50748I  
**taskNumber**: PART TOTAL PAGES DATA PAGES SPACE MAPS HEADER PAGES  
**Explanation**: This message accompanies message BMC50747I and provides the heading for the information that follows in message BMC50749I. The information shows the number of pages that were updated by partition. If the table space is nonpartitioned, the partition number is zero.  
**User response**: No action is required.  

BMC50749I  
**statistics**  
**Explanation**: This is the page count data for the table space partitions that are related to the heading information provided in messages BMC50747I and BMC50748I.  
**User response**: No action is required.  

BMC50750I  
**taskNumber**: IGNORED TRANSACTIONS DUE TO SELECT/DELETE  
**Explanation**: If you specified SELECT or DELETE on the utility command, the utility might display this message as each LOGAPPLY task ends. Messages BMC50744I, BMC50745I, and BMC50746I follow this message and display the number of ignored log records.  
**User response**: No action is required.  

BMC50751E  
**taskNumber**: ERROR EXTENDING OUTPUT DATASET dataSetName, RC = returnCode  
**Explanation**: A request to extend the indicated data set failed with the return code shown in this message.  
**User response**: Check the target DASD volumes for the data set to ensure that enough space is available for extension. If you need additional assistance, contact BMC Customer Support.  

BMC50752S  
**ERROR IN CALL OF EDITPROC editProcedure, RC = returnCode, REASON = reasonCode**  
**Explanation**: The EDITPROC returned the error code shown in this message.  
**User response**: Consult the EDITPROC documentation.
**BMC50753S**  
**COMPRESSION SYSTEM** function\textit{Name} FAILED - **RC=returnCode**,  
**REASON=reasonCode**

\textit{Explanation:} The indicated compression system function failed with the return code shown in this message.

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

**BMC50756I**  
**XBM RESPONSE BUFFER OVERFLOW**

\textit{Explanation:} A message was too large for the XBM response buffer.

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

**BMC50770S**  
**LOG APPLY ABNORMAL TERMINATION, SYSTEM COMPLETION CODE = completionCode, RETURN CODE = returnCode**

\textit{Explanation:} During a SHRLEVEL CHANGE operation, the LOG APPLY component encountered an unrecoverable error. Utility processing terminated.

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

**BMC50771S**  
**UNABLE TO ALLOCATE LOG APPLY MEMORY**

\textit{Explanation:} Insufficient memory is available to allocate a minimum set of log apply tasks.

\textit{User response:} Increase the region size above the line and resubmit the job.

**BMC50772S**  
**MEMORY AVAILABLE: nK, memoryType MEMORY REQUIRED: nK**

\textit{Explanation:} This message follows message BMC50771S and indicates the memory that is available, the type of memory that is required, and the minimum amount that is required.

\textit{User response:} Subtract the amount of available memory from the amount of required memory. Multiply the result by two and increase the region size above the line by this amount. Resubmit the job.

**BMC50773I**  
\textit{taskNumber: taskType TASK STARTED AT timestamp}

\textit{Explanation:} The indicated log apply task started at the indicated time.

\textit{User response:} No action is required.

**BMC50774S**  
\textit{taskNumber: UNEXPECTED TASK TERMINATION, SYSTEM COMPLETION CODE=completionCode, RETURN CODE=returnCode}

\textit{Explanation:} A log apply task ended unexpectedly.

\textit{User response:} Check the preceding messages for more information.
BMC50775E  taskNumber: NEW MULTI DATASET CANNOT BE ALLOCATED FOR databaseName.spaceName, MAXIMUM NUMBER OF DATASETS REACHED

Explanation: The utility required a new multi-data-set for the indicated space, but the space already reached its maximum number of data sets.

User response: If the maximum number of data sets has not been reached or more space is available, contact BMC Customer Support.

BMC50776E  taskNumber: VSAM CREATE FOR 'dataSetName' FAILED, RC=returnCode

Explanation: An error occurred during a VSAM DEFINE operation for the indicated data set.

User response: Look for accompanying messages that indicate the nature of the error. Correct the problem and resubmit the job.

BMC50777E  taskNumber: UPDATES TO DATASET 'dataSetName' WILL EXCEED THE MAXIMUM SIZE OF n PAGES

Explanation: The update activity to a partitioned table space during the LOGAPPLY phase caused the utility to expand the partition beyond the physical size of the object. Utility processing terminated.

This problem might occur if changes are made to the definition of the object before running the utility. Examples are changes in compression or altering the MAXROW value.

User response: Examine the changes made to the object definition to determine the probable cause of the problem.

BMC50778I  LOG RECORD QUEUE SIZE AT OR BELOW THRESHOLD

Explanation: The number of records in the log record queue is at or below the user-specified threshold (LOGTHRESHLD). Therefore, the LOGFINAL phase has started.

User response: No action is required.

BMC50779I  LOG APPLY CAN BE COMPLETED WITHIN MAXRO TIME SPECIFIED

Explanation: The utility estimates that the LOGAPPLY phase can complete within the user-specified maximum read-only time (MAXRO value). Therefore, the LOGFINAL phase has started.

User response: No action is required.

BMC50780I  LONG LOG DETECTED AT timestamp, WILL DELAY UNTIL timestamp

Explanation: Log records are arriving faster than they can be applied, causing a long log condition. The utility delays until the specified time before taking the action that the LONGLOG option specifies. The utility continues to apply log records.

User response: No action is required.
**BMC50781E**  
**LONG LOG DELAY REACHED AT** *timestamp*, **TERMINATING**

*Explanation:* The long log condition persisted until the specified delay time. Therefore, the utility takes the action that the LONGLOG option specifies, which was to terminate the job.

*User response:* No action is required.

**BMC50782I**  
**LONG LOG DELAY REACHED AT** *timestamp*

*Explanation:* The long log condition persisted until the specified delay time. Therefore, the utility takes the action that the LONGLOG option specifies, which is to begin the LOGFINAL phase.

*User response:* No action is required.

**BMC50783I**  
**LONG LOG NO LONGER DETECTED AT** *timestamp*

*Explanation:* The arrival rate of the log records no longer exceeds their apply rate. The utility resets the delay time.

*User response:* No action is required.

**BMC50784E**  
**UNABLE TO COMPLETE PROCESSING BY DEADLINE, TERMINATING**

*Explanation:* The utility calculated that it cannot complete the LOGAPPLY phase by the deadline that the DEADLINE option specifies. The utility terminated.

*User response:* No action is required.

**BMC50785E**  
**UNABLE TO QUIESCE SPACE, RC = returnCode, LOGFINAL PHASE BYPASSED**

*Explanation:* The quiesce of the space failed, and the utility will not perform LOGFINAL phase processing.

*User response:* For more information, see the preceding messages.

**BMC50786I**  
**taskNumber:** *taskType* **TASK ENDED AT** *timestamp*, **ELAPSED TIME =** *time*

*Explanation:* This message reports when the indicated task ended and how long the task took to process.

*User response:* No action is required.

**BMC50787I**  
**taskNumber:** **DSN = dataSetName**

*Explanation:* This message reports the data set name for accompanying messages.

*User response:* For the appropriate action, see the accompanying messages.
BMC50788S  *taskNumber: INDEX MAINTENANCE ON indexName CANNOT BE PERFORMED BECAUSE THE INDEX IS EMPTY*
Explanation: The utility cannot update the index because the index is not initialized.
User response: Contact BMC Customer Support.

BMC50789W  *taskNumber: THERE ARE NO KEY VALUES FOR INDEX indexName*
Explanation: The index contains no keys.
User response: No action is required.

BMC50790E  XBM ssid ERROR, RC=returnCode
Explanation: The utility received an error code from the XBM subsystem that is identified by the subsystem ID (ssid).
User response: Check for XBM error messages.

BMC50791I  *taskNumber: statisticType value statisticType value*
Explanation: This message provides index update statistics.
User response: No action is required.

BMC50792S  *taskNumber: FLAG BYTE/LAST BYTE DISCREPANCY: INDEX indexName ; moreInformation*
Explanation: The utility encountered an error in an index page. This message provides information about the index in error.
User response: Contact BMC Customer Support.

BMC50793S  *taskNumber: PAGE MARKED 'READ WITH I/O ERROR': INDEX indexName ; moreInformation*
Explanation: The page in the index is marked as having an I/O error. This message provides information about the index in error.
User response: Correct the I/O error range and resubmit the job.

BMC50794I  *taskNumber: INDEX MAINTENANCE STATISTICS FOR INDEX indexName*
Explanation: This message is the heading message for the index update statistics that follow.
User response: No action is required.

BMC50795I  XBM COMMAND RECEIVED AT timestamp FROM userID
Explanation: This message is the heading message for the displayed XBM command and response that follows.
User response: No action is required.
BMC50796I  **XBMCommand**  

*Explanation:* This messages displays an XBM command and response, and follows message BMC50795I.

*User response:* No action is required.

BMC50797W  **UNABLE TO POST RESPONSE TO XBM SUBSYSTEM, RC X'\text{returnCode}'**

*Explanation:* The utility cannot send a response to an XBM command.

*User response:* Check the status of the XBM subsystem.

BMC50798I  **taskNumber: CATALOG RETURN CODE \text{returnCode} (FEEDBACK CODE = X'\text{feedbackCode}') LISTING \text{dataSetName}**

*Explanation:* An error occurred while accessing catalog information for the indicated data set.

*User response:* Note the values of the return code and feedback code, and contact BMC Customer Support.

BMC50799S  **taskNumber: UNABLE TO RETRIEVE DEVICE TYPE, DDNAME = \text{ddname}, RC = \text{returnCode}**

*Explanation:* An internal error occurred. The utility cannot read the device type information for the indicated ddname.

*User response:* Contact BMC Customer Support.

**Messages BMC50800 through BMC50899**

For the Utility products for DB2, this topic explains each message in the designated range.

BMC50800E  **EXPECTING token1 FOUND token2**

*Explanation:* The utility found an unexpected parameter or keyword when processing a command from the XBM Utility Monitor.

*User response:* Correct the command and resubmit the job.

BMC50801I  **parameter VALUE SET TO value**

*Explanation:* The XBM Utility Monitor set the value for the parameter shown in this message.

*User response:* No action is required.

BMC50802W  **TOO LATE TO STOP AFTER INITIALIZATION**

*Explanation:* The log apply control options were changed after the LOGFINAL phase started, which is not allowed.

*User response:* No action is required.
BMC50803I  LOG APPLY DISPLAY AT *timestamp*

Explanation: This message is the heading for the DISPLAY command output from the XBM Utility Monitor.

User response: No action is required.

BMC50804I  LOG APPLY TASKS: n TASKS, n STARTED, n FINISHED

Explanation: This message is part of the output for the XBM Utility Monitor DISPLAY command. The message shows the number of log-record apply tasks that have been allocated, started, and completed.

User response: No action is required.

BMC50805I  n RECORDS QUEUED, n RECORDS APPLIED

Explanation: This message is part of the output for the XBM Utility Monitor DISPLAY command. It displays the number of records that have been queued (either table space or index records) and the total number that have been applied.

User response: No action is required.

BMC50806I  INDEX APPLY TASKS: n TASKS, n STARTED, n FINISHED

Explanation: This message is part of the output for the XBM Utility Monitor DISPLAY command. It shows the number of index-record apply tasks that have been allocated, started, and completed.

User response: No action is required.

BMC50807I  TASK taskNumber: taskType

Explanation: This message is part of the output for the XBM Utility Monitor DISPLAY command. It shows the task number and the task type for which you are displaying information.

User response: No action is required.

BMC50808I  PARTITION(S): partitionNumber

Explanation: This message is part of the output for the XBM Utility Monitor DISPLAY command. It shows the set of partitions that are assigned to a task.

User response: No action is required.

BMC50809I  partitionNumber

Explanation: This message is part of the output for the XBM Utility Monitor DISPLAY command. It follows message BMC50808 if more partitions will display.

User response: No action is required.
**INDEX indexCreator.indexName**

**Explanation:** This message is part of the output for the XBM Utility Monitor DISPLAY command. It shows the name of the index.

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

**taskNumber: ALTER TABLE tableName DATA CAPTURE status**

**Explanation:** The table had its DATA CAPTURE flag status changed to ON, CHANGES, or NONE.

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

**REORG PARAMETER CHANGE NOT ALLOWED IN LOG FINAL**

**Explanation:** An XBM command was issued after the LOGFINAL processing phase began. The command is ignored.

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

**LONG LOG DELAY REACHED, CONTINUING TO timestamp**

**Explanation:** The long log delay time has been reached. Processing continues to the next time indicated in this message, based on your request.

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

**CURRENT PHASE: phase, STARTED: timestamp**

**Explanation:** This message displays the currently executing phase and the time that the phase started.

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

**CURRENT PHASE: phase**

**Explanation:** This message displays the phase that is currently executing.

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

**LONG LOG DETECTED AT timestamp**

**Explanation:** This message displays when the utility detects a long log condition.

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

**LONG LOG ACTION WILL OCCUR AT timestamp**

**Explanation:** This message displays the time when the utility will take the action that the LONGLOG option specifies.

**User response:** 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>BMC50826I</td>
<td><code>timestamp: IDCAMS: IDCAMSSOutput</code></td>
<td>This message follows message BMC50814 and displays IDCAMS output.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC50827I</td>
<td>COMMAND ISSUED FOR MEMBER <code>memberName AT timestamp, 'command</code></td>
<td>This message displays a DB2 command that the utility issued against the DB2 member shown in this message and the time that the command was issued. The utility issues this message only if MSGLEVEL is 1 and the utility is running in a data sharing environment. This message can be helpful to BMC Customer Support when diagnosing a problem.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC50828I</td>
<td>LOGAPPLY TERMINATED DUE TO REORG REQUEST, ELAPSED TIME = <code>time</code></td>
<td>The utility encountered an exceptional condition and terminated the log apply process.</td>
<td>Determine the cause of the original utility error, fix the error, and resubmit the job.</td>
</tr>
<tr>
<td>BMC50829I</td>
<td>LOGAPPLY PHASE STARTING AT <code>timestamp</code></td>
<td>The LOGAPPLY execution phase started at the indicated time.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC50830I</td>
<td>LOGFINAL PHASE STARTING AT <code>timestamp</code></td>
<td>The LOGFINAL execution phase started at the indicated time.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC50831E</td>
<td>LOG RECORDS REQUIRED ARE NOT AVAILABLE ON ACTIVE LOG(S)</td>
<td>The log processing exit cannot keep pace with the DB2 logging activity. As a result, some of the records that the exit requires are no longer available on the active log files.</td>
<td>Run the program during a period of decreased activity, or expand the size of the active log data sets.</td>
</tr>
<tr>
<td>BMC50832E</td>
<td>MONITOR TRACE CLASS (1) IS NOT ACTIVE</td>
<td>The DB2 monitor trace is not active. This problem usually occurs when a STOP TRACE command is issued while running the utility with SHRLEVEL CHANGE.</td>
<td>Resubmit the job and ensure that nothing stops the monitor trace that the utility started.</td>
</tr>
</tbody>
</table>
**BMC50833E**  
**XBM INTERFACE FORCED TERMINATION**

*Explanation:* XBM detected a potentially severe problem and signaled the utility to terminate. This message applies only to a utility command with SHRLEVEL CHANGE specified.

*User response:* For more information, see additional messages.

**BMC50834I**  
**COMMAND RESPONSE FOR MEMBER memberName, 'response'**

*Explanation:* The utility, which was specified with SHRLEVEL CHANGE, issued a DB2 command. This message displays the response that the utility received from the DB2 member of the data sharing group.

*User response:* No action is required.

**BMC50835E**  
**COMMAND FAILED FOR MEMBER memberName, 'command'**

*Explanation:* The displayed DB2 command failed for the data sharing group member. Message BMC50834I precedes this message.

*User response:* To determine the appropriate action, see the response that is supplied in message BMC50834I. If the problem persists, contact BMC Customer Support.

**BMC50836E**  
**CONSOLE INTERFACE ERROR, FUNCTION=functionName RC=returnCode**

*Explanation:* An error occurred during a SHRLEVEL CHANGE job while the utility was processing a command through the extended console interface.

*User response:* For more information, see the system log. If the problem persists, contact BMC Customer Support.

**BMC50837E**  
**NO RESPONSE RECEIVED FROM MEMBER memberName**

*Explanation:* Using the extended console interface, the utility issued a DB2 command to the member of a data sharing group. The member did not respond, so the utility terminated.

*User response:* See the system log for console errors. Check to see if the DB2 member received the command. If you cannot resolve the problem, contact BMC Customer Support.

**BMC50838E**  
**REQUIRED MONITOR TRACE CLASS (1) FOR MEMBER memberName NO LONGER ACTIVE**

*Explanation:* A SHRLEVEL CHANGE job requires an active monitor trace. The trace for the member became inactive while the job was still running. The utility ended all monitor traces and terminated. The monitor trace must be active on each member of a DB2 data sharing group to ensure that all log records are collected.

*User response:* Resubmit the utility job, ensuring that none of the monitor traces are stopped while the utility is running.
REQUIRED MONITOR TRACES NOT ACTIVE WITH OTHER SHRLEVEL CHANGE REORGS ACTIVE. STOPPING ALL TRACES

Explanation: During a SHRLEVEL CHANGE job, the utility discovered that one or more required monitor traces were not active, issued message BMC50838E, and stopped any active monitor traces for other SHRLEVEL CHANGE jobs that were running in the same data sharing group. The utility stops the monitor traces and terminates the other SHRLEVEL CHANGE jobs that are running in that data sharing group. The monitor trace must be active on each member of a DB2 data sharing group to ensure that all log records are collected.

User response: Resubmit the utility job, ensuring that none of the monitor traces are stopped while the utility is running.

MONITOR TRACE CLASS (1) STARTED FOR ALL ACTIVE MEMBERS

Explanation: The utility started a monitor trace for each active DB2 member of a data sharing group.

User response: No action is required.

MONITOR TRACE CLASS (1) ALREADY ACTIVE ON ALL ACTIVE MEMBERS

Explanation: A utility job with SHRLEVEL CHANGE discovered that the monitor traces for all of the members of a data sharing group were already active. This situation occurs when another SHRLEVEL CHANGE job is already running in this data sharing group.

User response: No action is required.

MONITOR TRACE CLASS (1) STOPPED FOR ALL ACTIVE MEMBERS

Explanation: The utility job with SHRLEVEL CHANGE completed. Because no other SHRLEVEL CHANGE jobs are running in this data sharing group, the utility ended all of the monitor traces.

User response: No action is required.

MONITOR TRACE CLASS (1) WILL REMAIN ACTIVE ON ALL ACTIVE MEMBERS TO SERVICE OTHER SHRLEVEL CHANGE REORGS

Explanation: More than one SHRLEVEL CHANGE utility job is running in this data sharing group. The job that finished did not end any monitor traces.

User response: No action is required.

MONITOR TRACE CLASS (1) ALREADY ACTIVE, TRACE NUMBER=traceNumber

Explanation: The utility issued a START TRACE command, but the trace is already active.

User response: No action is required.
BMC50845I  MONITOR TRACE CLASS (1) STOPPED FOR MEMBER memberName

Explanation:  A utility job with SHRLEVEL CHANGE stopped the monitor trace for the member of a data sharing group. No other SHRLEVEL CHANGE jobs were running.

User response:  No action is required.

BMC50846I  MEMBER memberName ACTIVATED AFTER SHRLEVEL CHANGE REORG BEGAN, REORG TERMINATING

Explanation:  The DB2 member was started after a SHRLEVEL CHANGE job started. Because the utility cannot guarantee the integrity of the job, it terminates.

User response:  Resubmit the job, ensuring that no members are started or stopped while the SHRLEVEL CHANGE job is running.

BMC50847I  taskNumber: BUFFER ALLOCATIONS: CHANGED PAGE BUFFERS = n, I/O BUFFERS = n, LARGEST BLOCK SIZE = size

Explanation:  This message displays the number of changed page buffers, I/O buffers, and the largest block size that the utility initially allocated. The utility issues this message when the utility updates full copy data sets as part of a SHRLEVEL CHANGE job.

User response:  No action is required.

BMC50848E  taskNumber: I/O ERROR: functionName, module, lineNumber, reason

Explanation:  An I/O routine failed while the utility was updating a full copy data set for a SHRLEVEL CHANGE job. This message contains information that is useful to BMC Customer Support.

User response:  Contact BMC Customer Support.

BMC50849E  taskNumber: I/O ERROR: text

Explanation:  This message displays information that a failed I/O routine returned. This message contains information that is useful to BMC Customer Support.

User response:  Contact BMC Customer Support.

BMC50850I  taskNumber: PARTITION = partitionNumber, PART TOTALS UPDATED PAGES = n, UPDATED BLOCKS = n, APPENDED PAGES = n, APPENDED BLOCKS = n

Explanation:  This message displays statistical information for the partition. The utility gathers this information when it updates a full copy data set for a SHRLEVEL CHANGE job. Message BMC50851I follows this message.

User response:  No action is required.
BMC50851I  taskNumber: PARTITION = partitionNumber, PART TOTALS DEFERRED WRITES = n, READ IOS = n, WRITE IOS = n, DEFERRED IOS = n, DEFERRED BLOCKS = n

Explanation: This message follows message BMC50850I and provides additional statistics for the partition. The utility gathers this information when it updates a full copy data set for a SHRLEVEL CHANGE job.

User response: No action is required.

BMC50852I  taskNumber: TASK TOTALS, UPDATED PAGES = n, UPDATED BLOCKS = n, APPENDED PAGES = n, APPENDED BLOCKS = n

Explanation: This message displays statistical information for the indicated task. The utility gathers this information when it updates a full copy data set for a SHRLEVEL CHANGE job. Message BMC50853I follows this message.

User response: No action is required.

BMC50853I  taskNumber: TASK TOTALS, DEFERRED WRITES = n, READ IOS = n, WRITE IOS = n, DEFERRED IOS = n, DEFERRED BLOCKS = n

Explanation: This message follows message BMC50852I and provides additional statistics for the indicated task. The utility gathers this information when it updates a full copy data set for a SHRLEVEL CHANGE job.

User response: No action is required.

BMC50854I  taskNumber: FINAL STATISTICS, COLLECTOR (CALLS = n, TIME = time), PAGES COLLECTED = n, WAIT FOR BUFFERS = n, DUPLICATES = n

Explanation: This message displays statistical information for a specific partition. The utility gathers this information when it updates a full copy data set for a SHRLEVEL CHANGE job. Message BMC50855I follows this message.

User response: No action is required.

BMC50855I  taskNumber: FINAL STATISTICS, TOTAL PAGE SLOTS = n, MAXIMUM USED = n, I/O BUFFERS = n, MAXIMUM USED = n

Explanation: This message follows message BMC50854I and provides additional statistics for a particular partition. The utility gathers this information when it updates a full copy data set for a SHRLEVEL CHANGE job.

User response: No action is required.

BMC50856E  CATALOG ACTIVITY DETECTED ON OBJECT, PROCESSING TERMINATED AT LOG RBA rba/lrsn

Explanation: A data definition language (DDL) statement such as CREATE, DROP, or ALTER was issued against the object on which the utility is operating. Utility processing terminated. This message contains the relative
byte address (RBA) or the log record sequence number (LRSN) of the associated DB2 log record.

*User response:* Resubmit the job and ensure that no DDL statements are issued for the object while the utility job is running.

**BMC50857E**

**OBJECT STATUS CHANGE DETECTED ON OBJECT, PROCESSING TERMINATED AT LOG RBA rba/lrsn**

*Explanation:* The status of the object changed while the utility job was running. Utility processing terminated. This message contains the relative byte address (RBA) or the log record sequence number (LRSN) of the associated DB2 log record.

*User response:* Resubmit the job and ensure that the status of the object does not change while the utility job is running.

**BMC50858E**

**DELETE WITHOUT WHERE CLAUSE DETECTED FOR TABLE tableName AT LOG RBA rba/lrsn**

*Explanation:* While applying log records during the LOGAPPLY phase, the utility detected a mass DELETE operation (an SQL DELETE without a WHERE clause). Utility processing terminated.

*User response:* Resubmit the job, ensuring that no mass DELETE operation occurs while the utility is running.

**BMC50859I**

**LOG RECORD STORE STATISTICS: MEMORY AVAILABLE = n, MEMORY USED = n**

*Explanation:* This message displays (in kilobytes) the amount of data space memory that is available for log records and the amount that the utility used to store them. The available memory is the amount that the LOGMEM option specifies. The amount of memory that the utility used might be slightly greater than the value of the LOGMEM option because of how the utility allocates the memory.

*User response:* No action is required. For more information, see message BMC50860I.

**BMC50860I**

**TOTAL WAIT TIME FOR LOG RECORD STORE MEMORY = time DATA = time INDEX = time**

*Explanation:* This message displays the time in seconds that the utility spent waiting for available memory in order to store log records. The total time is the sum of the second and third times displayed.

*User response:* To reduce the total wait time, increase the amount of available memory by increasing the value of the LOGMEM option.

**BMC50861E**

**taskNumber: operation COULD NOT BE PERFORMED ON ROW FILTERED BY SELECT/DELETE RID: recordID RBA: rba/lrsn KEY: key**

*Explanation:* The utility displays this message if an application issues an SQL UPDATE or DELETE statement on a filtered row. If the key value is not
available, N/A is displayed as the variable. A dump of any available log images follows this message.

User response: Review the filter criteria that you specified for this job. Resubmit the job to avoid a conflict between the filter criteria and the application that is issuing the UPDATE or DELETE SQL statement.

**BMC50862E**  
**taskNumber: DELETE OPERATIONS AGAINST ROWS FILTERED BY SELECT/DELETE EXCEEDED LIMIT OF limit**

Explanation: The utility displays this message if the application issues multiple DELETE statements for filtered rows and the number of DELETE statements to be ignored exceeds the limit shown in this message. The job terminated.

User response: Review the filter criteria that you specified for this job. Resubmit the job to avoid a conflict between the filter criteria and the application that is issuing the SQL DELETE statements.

If the limit shown in this message is inappropriate for your environment, contact BMC Customer Support.

**BMC50863I**  
**LOGMEM OF n SPECIFIED, FOR IMPROVED PERFORMANCE n OR MORE IS RECOMMENDED**

Explanation: The amount of data space memory that the LOGMEM option specifies is not enough to achieve optimal performance. This message displays the recommended amount of data space memory in kilobytes.

User response: To improve the performance of the SHRLEVEL CHANGE operation, change the amount of data space memory that the LOGMEM option specifies to the recommended value that is displayed in this message. Resubmit the job.

**BMC50864I**  
**[INSUFFICIENT] LOGMEM OF n1K SPECIFIED, CHANGED TO n2K**

Explanation: If you receive the INSUFFICIENT LOGMEM version of this message, the first value is the amount of data space memory in kilobytes that was specified on the LOGMEM option. This amount is insufficient for the SHRLEVEL CHANGE operation. The utility changed the value to the second amount so that it could continue processing the job.

If you receive the other version of this message, zero was specified as the LOGMEM value, telling the utility to calculate the amount of memory that it needed. This message displays the amount that the utility calculated.

User response: If you receive the INSUFFICIENT LOGMEM version of this message, increase the amount on the LOGMEM option so that it is greater than or equal to the second value (the amount that the utility needed). Alternatively, specify zero as the LOGMEM value to allow the utility to allocate the amount that it needs.

If you receive the other version of this message, no action is required.
BMC50865I  TOTAL RECORDS INSERTED INTO LOG RECORD STORE, DATA = n, INDEX = n
Explanation:  This message displays the total number of log records that are stored in the log record store for the table space updates (data) and index updates (index).
User response:  No action is required.

BMC50866I  TOTAL type STRINGS PROCESSED = n, WHEN NOT FULL = n, FROM SPILL = n
Explanation:  This message displays the total number of strings that the utility processed, the number of incomplete strings, and the number of strings that the utility processed from the spill data sets.
User response:  No action is required.

BMC50867I  LOG RECORD STORE SPILL REQUESTS = n, HIGH SPILL PAGE = n, SPILL DATASETS CREATED = n
Explanation:  This message displays the number of requests to store log records in the spill data sets, the largest amount of data that was stored in the spill data sets, and the number of spill data sets that the utility created.
User response:  No action is required.

BMC50868I  component WRITE REQUESTS = n, WRITE WAIT TIME = time, READ REQUESTS = n, READ WAIT TIME = time
Explanation:  This message displays the number of read and write requests to the spill data sets, and the time that the log record store or RID map component spent waiting for the read and write requests to complete.
User response:  No action is required.

BMC50869I  component: SPILLING TO DATASET 'dataSetName'
Explanation:  The log records used all of the data space memory and spilled to the indicated data set, or the existing spill data set could not be extended further. The utility issues this message each time that it creates a new spill data set.
User response:  No action is required.

BMC50870E  component COULD NOT CREATE DATASET 'dataSetName'
Explanation:  The log record store or RID map component was not able to create the indicated data set, which the component needed in order to store the spilled log records.
User response:  For more information about why the component could not create the data set, see the preceding BMC50826I messages. Correct the problem if possible, and resubmit the job.
**BMC50871E**  
*component OUT OF SPACE OR DATASET LIMIT REACHED*

*Explanation:* The log record store or RID map component could not allocate the spill data set, or the component reached the maximum number of spill data sets.

*User response:* For more information about why the component could not create the data set, see the preceding BMC50826I messages and message BMC50870I. Correct the problem if possible, and resubmit the job.

**BMC50872I**  
*component primary/secondary ALLOCATION CHANGED FROM n1 TO n2*

*Explanation:* The log record store or RID map component found that the primary or secondary DASD allocation that was specified for the spill data sets is insufficient. The component increased the allocation to the minimum amount that it needs to allocate the data space.

*User response:* To improve performance, change the amount specified on the LOGSPILL option to at least as much as the component allocated.

**BMC50873I**  
*LOGMEM REDUCED FROM n1 TO n2 DUE TO DATASPACE ALLOCATION LIMITS*

*Explanation:* The amount of data space that was requested on the LOGMEM option exceeded the system-allowed limits for maximum data space count or maximum data set size. The log record store component decreased the amount of data space that it used to remain within the system limits.

*User response:* Contact BMC Customer Support.

**BMC50874S**  
*process TERMINATION IN PROGRESS*

*Explanation:* An abend occurred during log processing or index update processing, causing the component to invoke its termination routine. The termination routine performs cleanup activities before the utility terminates the job.

*User response:* Contact BMC Customer Support.

**BMC50875E**  
*MINIMUM REQUIRED LOGMEM nK CANNOT BE OBTAINED DUE TO DATASPACE ALLOCATION LIMITS*

*Explanation:* The utility calculated that it needs n kilobytes of storage to hold the log records. However, the maximum amount of available memory is set by multiplying the value of the LOGRMAXD option by the value of the LOGRDSSZ option. If the result is less than the minimum amount of storage that the utility needs, the utility terminates the job.

*User response:* Increase the values of the LOGRMAXD and LOGRDSSZ options so that when they are multiplied, the resulting value is greater than the number shown in this message.
BMC50876S  RIDMAP INITIALIZATION FAILED RC=returnCode
Explanation: The utility failed while initializing the RIDMAP component and terminated with the indicated return code.
User response: To determine whether you can correct the problem, see previous messages. If you cannot correct the problem, contact BMC Customer Support.

BMC50877I  POINT OF CONSISTENCY ESTABLISHED AT RBA/LRSN = rba/lrsn
Explanation: The utility externalized page set buffers for all of the required objects, establishing a point of consistency at the displayed relative byte address (RBA) or log record sequence number (LRSN).
User response: No action is required.

BMC50878I  taskNumber: operation CANNOT BE PERFORMED ON ROW DISCARDED DUE TO ALTERED MAXIMUM LIMIT KEY, RBA: rba KEY: key
Explanation: During SHRLEVEL CHANGE processing, an INSERT, UPDATE, or DELETE was attempted on a row that the utility had already discarded because of an altered limit key. The utility continues processing.
User response: If you want to complete the action, ensure that the application is enforcing new limit key assignments. If the application is not enforcing the new limit keys, the application might be in error or the altered definition of the table space partitions is incorrect. The utility leaves the table space in its original state.

BMC50878E  taskNumber: operation CANNOT BE PERFORMED ON ROW DISCARDED DUE TO ALTERED MAXIMUM LIMIT KEY, RBA: rba KEY: key
Explanation: During SHRLEVEL CHANGE processing, an INSERT, UPDATE, or DELETE was attempted on a row that the utility had already discarded because of an altered limit key. The utility terminated.
User response: Ensure that the application is enforcing new limit key assignments. If the application is not enforcing the new limit keys, the application might be in error or the altered definition of the table space partitions is incorrect. The utility leaves the table space in its original state. Correct the problem and resubmit the reorganization.

BMC50880I  RIDMAP: {SUMMARY | PART partitionNumber}: ROWS=n, PAIRS=n, STORAGE=nK, MEM WAITS=n, WAIT TIME=time
Explanation: This message displays statistics for a full table space, for all partitions in a partitioned table space (SUMMARY), or for an individual partition (PART). The statistics show the maximum amounts for the following resources:

<table>
<thead>
<tr>
<th>Statistic</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROWS</td>
<td>Number of rows that are represented in the RID map</td>
</tr>
<tr>
<td>Statistic</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------</td>
</tr>
<tr>
<td>PAIRS</td>
<td>Number of RID pairs (old RID and new RID) that are stored</td>
</tr>
<tr>
<td>STORAGE</td>
<td>Total amount in kilobytes of storage that was used (DASD and data space memory)</td>
</tr>
<tr>
<td>MEM WAITS</td>
<td>Number of times that a wait was issued for memory</td>
</tr>
<tr>
<td>WAIT TIME</td>
<td>Total amount of time (in seconds) that was spent waiting for memory</td>
</tr>
</tbody>
</table>

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

**BMC50881I**

RIDMAP: \{SUMMARY | PART partitionNumber\}: TRANS=n, ADDS=n, DELS=n, SPILL READS=n, WAIT TIME=time

**Explanation:** This message displays statistics for a full table space, for all partitions in a partitioned table space (SUMMARY), or for an individual partition (PART). The statistics show the amount of activity in the RID map for the following operations:

<table>
<thead>
<tr>
<th>Statistic</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRANS</td>
<td>Number of RID translations that were performed</td>
</tr>
<tr>
<td>ADD</td>
<td>Number of RID pairs that were inserted</td>
</tr>
<tr>
<td>DELS</td>
<td>Number of RID pairs that were deleted</td>
</tr>
<tr>
<td>SPILL READS</td>
<td>Number of read requests that were made against a spill data set</td>
</tr>
<tr>
<td>WAIT TIME</td>
<td>Total amount of time (in seconds) that was spent waiting for I/O operations to complete</td>
</tr>
</tbody>
</table>

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

**BMC50882I**

RIDMAP: SUMMARY: MAX DATASPACES=n, USED DATASPACES=n, RIDMAPMEM=nK, USED MEM=nK

**Explanation:** This message displays the following information about data spaces:

<table>
<thead>
<tr>
<th>Statistic</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX DATASPACES</td>
<td>Maximum number of data space that the utility was allowed to use</td>
</tr>
<tr>
<td>USED DATASPACES</td>
<td>Number of data spaces that the utility actually used</td>
</tr>
<tr>
<td>RIDMAPMEM</td>
<td>Value that you specified for RIDMAPMEM in kilobytes</td>
</tr>
<tr>
<td>Statistic</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>---------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>USED MEM</td>
<td>Total amount in kilobytes of data space memory that the utility used</td>
</tr>
</tbody>
</table>

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

**BMC50883I**  
**RIDMAP: SUMMARY: MAX PIPES=\(n\), PIPES USED=\(n\), PIPES BUFFER SIZE=\(n\), PIPE WAITS=\(n\), WAIT TIME=\(time\)**  
*Explanation:* This message provides information that BMC Customer Support can use to resolve problems with the RID map.  
*User response:* No action is required.

**BMC50884E**  
**RIDMAP: MINIMUM VALUE FOR RIDMAPMEM SHOULD BE \(nK\)**  
*Explanation:* The value that you specified for the RIDMAPMEM option is insufficient for the utility to continue processing.  
*User response:* Change the value of RIDMAPMEM to a value that is equal to or greater than the value in this message, and resubmit the job.

**BMC50885I**  
**RIDMAP: SPILLING OCCURRED BECAUSE explanation**  
*Explanation:* The utility used the spill data sets because it either exceeded the amount of memory that it could use (specified on RIDMAPMEM) or exceeded the number of data spaces that it was allowed to allocate.  
*User response:* If the utility exceeded the amount of memory, increase the value of the RIDMAPMEM option, and resubmit the job. If the utility exceeded the number of data spaces, make the following adjustments:

1. Try increasing the size of the data space gradually by adjusting the value of the RIDMDSSZ option.

2. If you reach the maximum allowed value for RIDMDSSZ but still need more space, adjust the value of the RIDMMAXD option.

**BMC50886E**  
**RIDMAP: INTERNAL ERROR, text**  
*Explanation:* The utility failed with an internal error. This message provides diagnostic information for BMC Customer Support.  
*User response:* Contact BMC Customer Support.

**BMC50887I**  
**RIDMAP: RIDMAPMEM CHANGED TO \(nK\)**  
*Explanation:* The amount of memory that was specified for the RIDMAPMEM option is insufficient. The utility changed the value to the amount shown in this message in order to continue processing the job.  
*User response:* No action is required.
BMC50890I  

**taskNumber: ATTEMPTING TO action DATASET 'dataSetName'...**

**Explanation:** The utility issues this message during the rename and delete operations that are associated with the staging data sets when you specify one of the following options:

- For REORG PLUS, SHRLEVEL REFERENCE or SHRLEVEL CHANGE
- For LOADPLUS, LOAD REPLACE SHRLEVEL CHANGE or LOAD REPLACE SHRLEVEL REFERENCE

The task number identifies the task that is associated with the operation. The value for *action* can be either RENAME or DELETE.

**User response:** No action is required. However, you should ensure that the utility subsequently issues a corresponding message, BMC50891I, which indicates that the operation for that data set completed successfully.

BMC50891I  

**taskNumber: DATASET 'dataSetName' IS status**

**Explanation:** The utility issues this message during the rename and delete operations that are associated with the staging data sets when you specify one of the following options:

- For REORG PLUS, SHRLEVEL REFERENCE or SHRLEVEL CHANGE
- For LOADPLUS, LOAD REPLACE SHRLEVEL CHANGE or LOAD REPLACE SHRLEVEL REFERENCE

The utility issues this message in conjunction with BMC50890I, indicating that the operation for the data set completed successfully. The task number identifies the task that is associated with the operation. The value for *status* can be either RENAMED or DELETED.

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

BMC50892I  

**OBD UPDATE HAS FAILED FOR OBJECT 'objectName'**

**Explanation:** An error occurred during FASTSWITCH processing. The utility tries again to update the object descriptor (OBD) for the indicated object.

**User response:** If the retries fail and the utility terminated, attempt to restart the job. If you cannot restart the job, contact BMC Customer Support.

BMC50893I  

**HDELETE FAILED FOR 'dataSetName' RC=returnCode, REASON=reasonCode**

**Explanation:** The staging data set is archived. The utility issued a DFSMShsm service request to invoke HDELETE to delete the data set; however, the HDELETE request failed. The return code and reason code can help determine
the reason for the request failure. For information about these codes, see your
DFSMShsm documentation. The utility continues processing.

User response: No action is required

BMC50894I  process PROCESS STARTING AT timestamp
Explanation: This message marks the beginning of the indicated process. If this
process completes successfully, the utility issues message BMC50895I.

User response: No action is required.

BMC50895I  process COMPLETE. ELAPSED TIME = time
Explanation: The indicated process completed successfully in the amount of
time shown in this message.

User response: No action is required.

BMC50896E  DATASET 'dataSetName' requirement
Explanation: The utility encountered a data set that does not meet the
requirement shown in this message. The following information describes the
requirements that this message displays:

<table>
<thead>
<tr>
<th>Requirement displayed</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUST BE EA ENABLED DUE TO DSSIZE</td>
<td>For a table space that is defined with DSSIZE greater than 4 gigabytes, the indicated data set must be an SMS-managed staging data set that is defined with extended addressability.</td>
</tr>
<tr>
<td>MUST NOT BE STRIPED</td>
<td>The indicated data set is an SMS-managed staging data set that is defined as striped, which the utility does not support.</td>
</tr>
</tbody>
</table>

User response: Your response depends on the requirement that this message displays:

<table>
<thead>
<tr>
<th>Requirement displayed</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUST BE EA ENABLED DUE TO DSSIZE</td>
<td>Ensure that the staging data set is defined correctly, and resubmit the job.</td>
</tr>
<tr>
<td>MUST NOT BE STRIPED</td>
<td>Ensure that the SMS STORCLAS for the staging data set does not specify a sustained data rate (which indicates a striped data set). Resubmit the job.</td>
</tr>
</tbody>
</table>
Messages BMC50900 through BMC50999

For the Utility products for DB2, this topic explains each message in the designated range.

**BMC50915E**

**TABLESPACE 'databaseName.tableSpaceName' USES UNICODE ENCODING SCHEME**

*Explanation:* The table space that was specified (or the table space that contains the table that you specified) for this utility execution uses a Unicode encoding scheme. This version of the utility does not support Unicode encoding schemes.

*User response:* Specify a table space that does not use a Unicode encoding scheme or specify a table in a table space that does not use a Unicode encoding scheme.

**BMC50916E**

**INDEX 'databaseName.indexName' USES UNICODE ENCODING SCHEME**

*Explanation:* The index that was specified (or an index for the table that was specified) for this utility execution uses a Unicode encoding scheme. This version of the utility does not support Unicode encoding schemes.

*User response:* Specify an index that does not use a Unicode encoding scheme or specify a table that does not have indexes that use a Unicode encoding scheme.

**BMC50920E**

**text**

*Explanation:* The utility encountered a DB2 feature that it does not support. For some utilities, message BMC50921E follows this message with additional information.

*User response:* Depending on the unsupported feature and your requirements, take one of the following actions:

- Change the command syntax or installation options for the utility and resubmit or restart the job.
- Run the job by using the corresponding IBM utility.

For more information about unsupported features, see the reference manual for the utility that you are running.

**BMC50921E**

**text**

*Explanation:* The utility encountered a DB2 feature that it does not support, or that it supports only with DIRECT NO or by invoking DSNUTILB. This message usually either follows message BMC50920E or is followed by one of the messages in the range BMC50990E through BMC50993E.

*User response:* See the user responses for the associated messages. If you did not receive one of the associated messages, and you cannot determine the appropriate response to this message, contact BMC Customer Support.
<table>
<thead>
<tr>
<th>Message Number</th>
<th>Description</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC50990E</td>
<td>THIS DB2 FEATURE IS NOT SUPPORTED IN THIS RELEASE OF utility AND THE DSNUTILB OPTION HAS BEEN DISABLED BY USER</td>
<td>The utility encountered a DB2 feature that it supports only by invoking DSNUTILB. Either the DSNUTILB option or the option that enables the specific feature is set to NO. Previous messages provide additional information about the specific feature.</td>
<td>Set the appropriate installation or command option to YES and resubmit the job. For more information about DB2 features that the utility supports by invoking DSNUTILB, see the reference manual for that utility.</td>
</tr>
<tr>
<td>BMC50991E</td>
<td>THIS DB2 VERSION 8 FEATURE IS NOT SUPPORTED IN THIS RELEASE OF utility</td>
<td>The utility encountered a DB2 Version 8 feature that it does not support. Previous messages provide additional information about the specific unsupported feature.</td>
<td>If applicable, change the command syntax for the utility and resubmit or restart the job. For more information about unsupported DB2 features, see the reference manual for the utility.</td>
</tr>
<tr>
<td>BMC50992E</td>
<td>THIS DB2 VERSION 9 FEATURE IS NOT SUPPORTED IN THIS RELEASE OF utility</td>
<td>The utility encountered a DB2 Version 9 feature that it does not support. Previous messages provide additional information about the specific unsupported feature.</td>
<td>If applicable, change the command syntax for the utility and resubmit or restart the job. For more information about unsupported DB2 features, see the reference manual for the utility.</td>
</tr>
<tr>
<td>BMC50993E</td>
<td>THIS DB2 VERSION n FEATURE IS NOT SUPPORTED IN THIS RELEASE OF utility</td>
<td>The utility encountered an unsupported DB2 feature. Previous messages provide additional information about the unsupported feature.</td>
<td>If applicable, change the command syntax for the utility and resubmit or restart the job. For more information about unsupported DB2 features, see the reference manual for the utility.</td>
</tr>
</tbody>
</table>
Messages BMC51200 through BMC51399

This group includes messages for the REORG PLUS for DB2 product.

Messages BMC51200 through BMC51299

For the REORG PLUS for DB2 product, this topic explains each message in the designated range.

**BMC51201E**  
DELETE/SELECT SPECIFIED MORE THAN ONCE FOR TABLE 'tableCreator.tableName'

*Explanation:* You can specify only one DELETE or SELECT statement for each table in the table space to be reorganized.

*User response:* Correct the DELETE or SELECT specifications and resubmit the job.

**BMC51202E**  
UPDATE SPECIFIED MORE THAN ONCE FOR TABLE 'tableCreator.tableName'

*Explanation:* You can specify the UPDATE option only once for each table in the table space to be reorganized.

*User response:* Correct the UPDATE specifications and resubmit the job.

**BMC51203E**  
unsupportedAction IS NOT ALLOWED. IT IS PART OF A UNIQUE, PARTITIONING, OR DPSI KEY

*Explanation:* In this message, unsupportedAction is one of the following actions:

- UPDATE OF COLUMN 'columnName'
- IMPLICIT UPDATE OF ROW CHANGE TIME STAMP COLUMN 'columnName'
You cannot update the column of a unique, partitioning, or DPSI key because doing so would violate the constraints defined by the index or the table.

User response: Correct the UPDATE specifications and resubmit the job.

BMC51204E  
**unsupportedAction IS NOT ALLOWED ON PARTIAL REORG. IT IS PART OF A NONPARTITIONED INDEX KEY**

Explanation: In this message, **unsupportedAction** is one of the following actions:

- UPDATE OF COLUMN ‘columnName’
- IMPLICIT UPDATE OF ROW CHANGE TIME STAMP COLUMN ‘columnName’

You cannot update the column of a nonpartitioned index during a partial reorganization because the index is not being rebuilt.

User response: Correct the UPDATE specifications or remove the PART option (thus making it a full reorganization), and resubmit the job.

BMC51206W  
**DELETE/SELECT/UPDATE SPECIFIED ON PARTIAL REORG. ONLY ROWS FROM SPECIFIED PARTS WILL BE PROCESSED**

Explanation: REORG PLUS will process only the rows from the partitions that are participating in the reorganization.

User response: No action is required.

BMC51207E  
**AN INVALID PARTITION RANGE HAS BEEN SPECIFIED**

Explanation: The partition range specified on the command is not valid. A partition range consists of two partition numbers separated by a colon, with the numbers in ascending order. For example, specifying 5:3 is not valid because the range is in descending order.

User response: Change the partition numbers so that they are within a valid range and resubmit the job.

BMC51208E  
**PART partitionNumber HAS AN ASSOCIATED PARTITION IN REORP STATUS THAT MUST BE INCLUDED IN THIS REORG**

Explanation: If a partition is in REORG pending status (REORP), you must reorganize that partition and its associated partitions in the same job. If you use the REBALANCE command option to establish new balanced limit keys, or you use the DDLIN data set to alter limit keys, REORG PLUS treats each partition that you specify as if it were in REORP status.

User response: Add the associated partition to the command and resubmit the job.
BMC51209E  ORDER NO OPTION SPECIFIED FOR A REORG CONTAINING PARTS IN 'REORP' STATUS

Explanation: REORG PLUS does not support ORDER NO on a job that is reorganizing a partition that is in REORP status. If you use the REBALANCE command option to establish new balanced limit keys, or you use the DDLIN data set to alter limit keys, REORG PLUS treats each partition that you specify as if it were in REORP status.

User response: Specify ORDER YES and resubmit the job.

BMC51210E  XBM COMPONENT DOES NOT SUPPORT versionNumber.releaseNumber. XBM MUST BE AT RELEASE versionNumber.releaseNumber OR LATER

Explanation: The reorganization cannot run with the current version of the XBM product or SUF component.

User response: Update the XBM product or SUF component to the version and release level displayed in the message (or later), and resubmit the job.

BMC51211W  ORDER NO OPTION SPECIFIED FOR REORG OF AN INDEX WHICH ALLOWS DUPLICATE KEYS. RIDS FOR DUPLICATE KEYS WILL NOT BE SORTED

Explanation: When you specify ORDER NO for a reorganization of an index that allows duplicate keys, the RIDs for the duplicate keys are not sorted.

User response: No action is required.

BMC51212E  ORDER YES OPTION REQUIRED FOR SINGLE-PHASE reorganizationType REORG UNLESS SHRLEVEL shrlevelType OPTION

Explanation: For a single-phase table space reorganization, ORDER YES is required unless you are performing a SHRLEVEL REFERENCE or SHRLEVEL CHANGE reorganization. For a single-phase index reorganization, ORDER YES is required unless you are performing a SHRLEVEL REFERENCE reorganization.

User response: Specify ORDER YES (the default) or remove the ORDER option from your command statement, and resubmit the job.

BMC51214I  'SHRLEVEL shrlevelType' OPTION SPECIFIED. dataSetType DATASETS ARE NOT NEEDED FOR RESTART AND WILL NOT BE USED

Explanation: You have specified SHRLEVEL REFERENCE or SHRLEVEL CHANGE for a single-phase reorganization and have provided either the unload data set for a table space reorganization or the work data set for an index reorganization. Because this reorganization is nondestructive, the indicated data set is not required for restart and will not be used.

User response: No action is required.
**BMC51218I** COPY SPECIFICATION HAS BEEN CHANGED TO 'COPY YES REGISTER ALL' DUE TO 'OBJECT IN REORP STATUS'

*Explanation:* A reorganization of an object in REORG pending (REORP) status requires registered image copies. REORG PLUS has changed the command options for you. If you use the DDLIN data set to alter limit keys, REORG PLUS treats each affected partition as if it were in REORP status.

*User response:* No action is required.

**BMC51219I** UNLDDN PREFIX TOO LONG, UNLOAD DATASETS WILL NOT BE USED

*Explanation:* The UNLDDN prefix that you specified created a name that was longer than eight characters. REORG PLUS was not able to use the UNLOAD data sets. Because you are performing a single-phase reorganization, REORG PLUS was able to continue processing.

*User response:* If you want REORG PLUS to use the UNLOAD data sets so that you can restart the job if necessary, shorten the UNLDDN prefix, and resubmit the job.

**BMC51222E** SELECT/DELETE NOT ALLOWED ON TABLE 'tableCreator.tableName' DUE TO columnType COLUMN

*Explanation:* REORG PLUS does not support the SELECT or DELETE options for tables that contain the indicated column type.

*User response:* Remove the SELECT or DELETE clause from the REORG command, and resubmit the job.

**BMC51225E** UNABLE TO PROCESS INDEX 'indexCreator.indexName', WITH ALTERED VARCHAR COLUMN AND SHRLEVEL CHANGE

*Explanation:* If you are performing a partial SHRLEVEL CHANGE reorganization of a table space, the reorganization fails if the table space contains a nonpartitioned index that has an altered VARCHAR column.

*User response:* Perform any one of these actions and resubmit the job:

- Change SHRLEVEL CHANGE to SHRLEVEL NONE or SHRLEVEL REFERENCE.
- Remove the PART keyword and perform a full reorganization.
- Run another utility that rebuilds the index.

**BMC51232I** ALTER STATEMENT n WILL BE PROCESSED

*Explanation:* This message displays the number of the ALTER INDEX statement in the DDLIN file that REORG PLUS will process.

*User response:* No action is required.
**BMC51233I**

**PART partitionNumber IN ALTER STATEMENT n WILL BE MERGED BECAUSE THE PART SPECIFICATION IS DUPLICATED IN ANOTHER STATEMENT**

*Explanation:* The displayed partition number was listed on more than one ALTER INDEX statement in the same DDLIN data set. REORG PLUS merges the statements and uses the limit key value that was on the last statement.

*User response:* No action is required.

---

**BMC51234E**

**INDEX indexCreator.indexName IS NOT PARTITIONED AND HAS NO LIMIT KEYS TO BE ALTERED**

*Explanation:* On the ALTER INDEX statement, you requested an alter of the limit key on a nonpartitioned index, which does not have a limit key. REORG PLUS terminated the job.

*User response:* Change the name on the ALTER INDEX statement to that of a partitioned index and resubmit the job.

---

**BMC51235E**

**REORG OF PARTITIONS WITH MIXED ROW FORMATS NOT SUPPORTED IN DB2 V9 FALBACK MODE OR WHEN RRF DISABLED**

*Explanation:* REORG PLUS does not support mixed-format partitions in a single reorganization when either of the following conditions exist:

- You are running DB2 Version 9 in either conversion mode* or enabling-new-function mode* (after falling back from new-function mode).

- You are running DB2 Version 9 in new-function mode, or a later version of DB2, but you have disabled RRF.

*User response:* Run two separate partial reorganizations; one to reorganize the basic row format partitions, and another to reorganize the reordered row format partitions.

---

**BMC51237E**

**THE COMBINATION OF SHRLEVEL NONE, UNLOAD RELOAD, AND REBALANCE IS NOT SUPPORTED WHEN ALL PARTITIONING COLUMNS ARE ASCENDING AND ONE BESIDES THE LAST IS NULLABLE**

*Explanation:* The reorganization job specifies incompatible options.

*User response:* Make one of the following changes to your reorganization job and resubmit the job:

- Specify a different SHRLEVEL.

- Remove the REBALANCE command option.

- Use two-phase processing (that is, change the value of the UNLOAD installation or command option to CONTINUE).
**BMC51238E**  FIELDPROC fieldProc SPECIFIED FOR COLUMN columnName NOT SUPPORTED WITH option option

Explanation: REORG PLUS fails when you specify a column that uses a FIELDPROC and you also specify the option displayed in the message text.

User response: Remove the unsupported option and resubmit the job.

**BMC51239E**  GAP IS NOT ALLOWED WITHIN EACH REORP GROUP WHEN A NON-UNIQUE NON-PARTITIONED SECONDARY INDEX EXISTS

Explanation: REORG PLUS cannot reorganize a group of partitions when the group excludes one or more contiguous physical partitions, the indicated type of index exists, and the partitions are in REORG pending status (REORP) for any of the following reasons:

- Partition limit keys were altered before the reorganization.
- A DDLIN data set was provided to alter limit keys.
- The REBALANCE command option was specified in the job.

The reorganization terminated.

User response: For the range of partitions that your job must include, see message BMC51240I. Specify a group of contiguous physical partitions and restart the job.

**BMC51240I**  REORG MUST INCLUDE PARTITIONS partitionNumber THROUGH partitionNumber

Explanation: REORG PLUS cannot reorganize a group of partitions that excludes one or more contiguous physical partitions. This message is issued one or more times with message BMC51239E to indicate the required range of partitions.

User response: See the user response for message BMC51239E.

**BMC51241E**  INSTANT SNAPSHOT FAILED FOR functionCall, SEE XBM LOG

Explanation: The Instant Snapshot failed for the indicated function call.

User response: For more information, see the XBM log. If you cannot determine or correct the problem, contact BMC Software Customer Support.

**BMC51243I**  ONE OR MORE NONPARTITIONED INDEX INSTANT SNAPSHOTS FAILED, CONVERTING TO SIXSNAP NO

Explanation: REORG PLUS attempted to use Instant Snapshot technology to copy the nonpartitioned indexes. However, the Instant Snapshot failed for at least one of the indexes. REORG PLUS changes the value of SIXSNAP to NO
for that index and begins the copy process again, using the software-based copy method.

**User response:** No action is required. For more information related to the Instant Snapshot failure, see the XBM log. If you cannot determine or correct the problem, contact BMC Software Customer Support.

### BMC51244I

**SIXSNAP DOES NOT SUPPORT VCAT DEFINED OBJECTS**

**Explanation:** The SIXSNAP option, which invokes the Instant Snapshot function of XBM or SUF, does not support VCAT-defined objects. The I version of this message indicates that the value of the SIXSNAP command or installation option was AUTO. REORG PLUS changed the value to NO and continued processing the job, using the software-based copy method.

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

### BMC51244E

**SIXSNAP DOES NOT SUPPORT VCAT DEFINED OBJECTS**

**Explanation:** The SIXSNAP option, which invokes the Instant Snapshot function of XBM or SUF, does not support VCAT-defined objects. The E version of this message indicates that the value of SIXSNAP was YES and REORG PLUS terminated the job.

**User response:** Specify SIXSNAP NO on the REORG command and resubmit the job.

### BMC51250I

**tableName OBJECT INFORMATION: optionName**

**Explanation:** Together, messages BMC51250I through BMC51256I provide a report that shows the objects that REORG PLUS considered, values retrieved for each object from the DB2 catalog (SYSTABLEPART or SYSINDEXPART), and whether the object should be reorganized.

An object is recommended for reorganization if the value that you specified for the limit option (variable `optionName`) is exceeded by the value calculated from or taken from the value in the catalog.

Message BMC51250I provides the general heading information.

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

### BMC51251I

**S CREATOR IXNAME CREATOR TBNAME PART CARDF FAROFFPOSF NEAROFFPOSF STATSTIME**

**Explanation:** Together, messages BMC51250I through BMC51256I provide a report that shows the objects that REORG PLUS considered, values retrieved for each object from the DB2 catalog (SYSTABLEPART or SYSINDEXPART), and whether the object should be reorganized.
Message BMC51251I provides the detailed heading for BMC51252I. REORG PLUS issues these two messages if it is using OFFPOSLIMIT or OFFPOSLM.

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

### BMC51252I

**s creator indexName creator tableName part cardf faroffpos nearoffpos statstime**

**Explanation:** Together, messages BMC51250I through BMC51256I provide a report that shows the objects that REORG PLUS considered, values retrieved for each object from the DB2 catalog (SYSTABLEPART or SYSINDEXPART), and whether the object should be reorganized.

Message BMC51251I provides the detailed heading for BMC51252I. REORG PLUS issues these two messages if it is using OFFPOSLIMIT or OFFPOSLM.

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

### BMC51253I

**S DBNAME TSNAME PART CARD FARINDREF NEARINDREF STATTIME**

**Explanation:** Together, messages BMC51250I through BMC51256I provide a report that shows the objects that REORG PLUS considered, values retrieved for each object from the DB2 catalog (SYSTABLEPART or SYSINDEXPART), and whether the object should be reorganized.

Message BMC51253I provides the detailed heading for BMC51254I. REORG PLUS issues these two messages if it is using INDREFLIMIT or INDREFLM.

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

### BMC51254I

**s databaseName tableSpaceName part card farindref nearindref statstime**

**Explanation:** Together, messages BMC51250I through BMC51256I provide a report that shows the objects that REORG PLUS considered, values retrieved for each object from the DB2 catalog (SYSTABLEPART or SYSINDEXPART), and whether the object should be reorganized.

Message BMC51253I provides the detailed heading for BMC51254I. REORG PLUS issues these two messages if it is using INDREFLIMIT or INDREFLM.

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

### BMC51255I

**S CREATOR IXNAME PART LEAFDIST STATTIME**

**Explanation:** Together, messages BMC51250I through BMC51256I provide a report that shows the objects that REORG PLUS considered, values retrieved for each object from the DB2 catalog (SYSTABLEPART or SYSINDEXPART), and whether the object should be reorganized.
Message BMC51255I provides the detailed heading for message BMC51256I. REORG PLUS issues these two messages if it is using LEAFDISTLIMIT or LEAFDLSLM.

_user response_: No action is required.

**BMC51256I**

`s creator indexName part leafdist statstime`

**Explanation**: Together, messages BMC51250I through BMC51256I provide a report that shows the objects that REORG PLUS considered, values retrieved for each object from the DB2 catalog (SYSTABLEPART or SYSINDEXPART), and whether the object should be reorganized.

The variables in the messages are defined as follows:

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>tableName</td>
<td>Name of the DB2 catalog table containing the object</td>
</tr>
<tr>
<td>optionName</td>
<td>Name of the limit option being processed</td>
</tr>
<tr>
<td>s</td>
<td>Contains a plus sign if the object should be reorganized</td>
</tr>
<tr>
<td>creator</td>
<td>Index or table space creator</td>
</tr>
<tr>
<td>indexName</td>
<td>Index name</td>
</tr>
<tr>
<td>tableName</td>
<td>Table name</td>
</tr>
<tr>
<td>part</td>
<td>Partition number</td>
</tr>
<tr>
<td>cardf</td>
<td>Retrieved CARDF value</td>
</tr>
<tr>
<td>faroffposf</td>
<td>Retrieved FAROFFPOSF value</td>
</tr>
<tr>
<td>nearoffposf</td>
<td>Retrieved NEAROFFPOSF value</td>
</tr>
<tr>
<td>statstime</td>
<td>Timestamp when the statistics were last updated</td>
</tr>
<tr>
<td>dbname</td>
<td>Database name</td>
</tr>
<tr>
<td>tsname</td>
<td>Table space name</td>
</tr>
<tr>
<td>card</td>
<td>Retrieved CARD value</td>
</tr>
<tr>
<td>farindref</td>
<td>Retrieved FARINDREF value</td>
</tr>
<tr>
<td>nearindref</td>
<td>Retrieved NEARINDREF value</td>
</tr>
<tr>
<td>leafdist</td>
<td>Retrieved LEAFDIST value</td>
</tr>
</tbody>
</table>

If the creator or table name is longer than the available space for these names, the utility truncates the name and indicates the truncation with the appropriate set of angle brackets, based on the value of the LONGNAMETRUNC option.
For more information about this option, see the REORG PLUS for DB2 Reference Manual.

User response: No action is required.

**BMC51257I**

**AN ACTIVE EXCEPTION OF TYPE 'exceptionType' WAS FOUND ON objectType objectName PART partitionNumber**

Explanation: The DASD MANAGER PLUS exceptions table contained the indicated exception for the indicated table space or index. REORG PLUS proceeds with the reorganization of the object.

User response: No action is required.

**BMC51258I**

**NO ACTIVE EXCEPTIONS FOUND FOR THE OBJECTS IN THIS REORG**

Explanation: REORG PLUS did not find any exceptions in the DASD MANAGER PLUS exceptions table for the object specified in the REORG command. REORG PLUS does not perform the reorganization because no action is needed.

User response: No action is required.

**BMC51260I**

**REORG PLUS DASD REQUIREMENT ESTIMATES**

Explanation: ANALYZE has estimated the data set sizes in cylinders (by device type) for the unload (SYSREC), work (SYSUT1), and sort (SORTWK) data sets. Together, messages BMC51260I through BMC51263I provide a report that shows the estimated information. Messages BMC51260I through BMC51262I provide the heading information.

User response: No action is required. For information about how to interpret this data, see the REORG PLUS for DB2 Reference Manual.

**BMC51261I**

**3380 CYLS 3390 CYLS**

Explanation: ANALYZE has estimated the data set sizes in cylinders (by device type) for the unload (SYSREC), work (SYSUT1), and sort (SORTWK) data sets. Together, messages BMC51260I through BMC51263I provide a report that shows the estimated information. Messages BMC51260I through BMC51262I provide the heading information.

User response: No action is required. For information about how to interpret this data, see the REORG PLUS for DB2 Reference Manual.

**BMC51262I**

**DDNAME KBYTES PRI SEC PRI SEC INDEX**

Explanation: ANALYZE has estimated the data set sizes in cylinders (by device type) for the unload (SYSREC), work (SYSUT1), and sort (SORTWK) data sets. Together, messages BMC51260I through BMC51263I provide a report that shows the estimated information. Messages BMC51260I through BMC51262I provide the heading information.

User response: No action is required. For information about how to interpret this data, see the REORG PLUS for DB2 Reference Manual.
**BMC51263I** *ddname k p s p s creator.indexName*

*Explanation:* ANALYZE has estimated the data set sizes in cylinders (by device type) for the unload (SYSREC), work (SYSUT1), and sort (SORTWK) data sets. Together, messages BMC51260I through BMC51263I provide a report that shows the estimated information. Multiple BMC51263I messages provide the estimated values. Because some types of reorganizations allow you to specify single or multiple SYSUT1/SYSREC data sets, the messages provide values for both. A separate BMC51263I message is issued for each data set and provides the following information.

The variables in the messages are defined as follows:

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ddName</td>
<td>Data set name</td>
</tr>
<tr>
<td>k</td>
<td>Number of kilobytes</td>
</tr>
<tr>
<td>p and s</td>
<td>Primary and secondary 3380 cylinder quantities</td>
</tr>
<tr>
<td>p and s</td>
<td>Primary and secondary 3390 cylinder quantities</td>
</tr>
<tr>
<td>creator.indexName</td>
<td>Index name, where applicable</td>
</tr>
</tbody>
</table>

If the creator name is longer than the available space for these names, the utility truncates the name and indicates the truncation with the appropriate set of angle brackets based on the value of the LONGNAMETRUNC option.

*User response:* No action is required. For information about how to interpret this data, see the REORG PLUS for DB2 Reference Manual.

**BMC51264I** *UNLOAD WILL READ n DATA PAGES FROM SPACE 'databaseName.tableSpaceName'*

*Explanation:* ANALYZE determined that the unload processing will read n data pages for the indicated space.

*User response:* No action is required. For information about how to interpret this data, see the REORG PLUS for DB2 Reference Manual.

**BMC51265I** *ESTIMATED CARDINALITY OF SPACE = n. AVG SORTWK ROW LENGTH = n AVG UNLOAD ROW LENGTH = n*

*Explanation:* ANALYZE estimated the cardinality of the space (or the partitions) that you specified. REORG PLUS uses this number when calculating the values in message BMC51263I. For a table space reorganization, REORG PLUS also estimated the average row length for the SORTWK and SYSREC (UNLOAD) data sets.

*User response:* No action is required. For information about how to interpret this data, see the REORG PLUS for DB2 Reference Manual.
BMC51266I  CARDINALITY OF SPACE = n. AVG SORTWK ROW LENGTH = n AVG
UNLOAD ROW LENGTH = n

Explanation: ANALYZE calculated the exact cardinality of the space (or the partitions) that you specified. REORG PLUS uses this number when calculating the values in message BMC51263I. For a table space reorganization, REORG PLUS also estimated the average row length for the SORTWK and SYSREC (UNLOAD) data sets.

User response: No action is required. For information about how to interpret this data, see the REORG PLUS for DB2 Reference Manual.

BMC51270I  UNLOAD STATISTICS: n ROWS UNLOADED FROM TABLE 'tableCreator.tableName', d ROWS DISCARDED, u ROWS UPDATED

Explanation: UNLOAD processing completed for the indicated table. The variable n is the number of rows selected, and the variable d is the number of rows discarded for the table indicated. This message is informational only.

User response: No action is required.

BMC51271I  UNLOAD STATISTICS: n ROWS/KEYS UNLOADED FROM PARTITION partitionNumber

Explanation: UNLOAD processing completed for the indicated partition. The variable n is the number of rows selected for the data set partition identified by partitionNumber. For a two-phase reorganization of a partition-by-growth table space, n is the number of rows before they are distributed by the reorganization. For a single-phase reorganization of a partition-by-growth table space, n is the number of rows after they are distributed by the reorganization. This message is informational only.

User response: No action is required.

BMC51272I  UNLOAD STATISTICS: n ROWS UNLOADED FROM SPACE 'databaseName.tableSpaceName', d ROWS DISCARDED, u ROWS UPDATED

Explanation: UNLOAD processing completed for the indicated table space. The variable n is the number of rows selected and d is the number of rows discarded for the table space indicated. This message is informational only.

User response: No action is required.

BMC51273I  RELOAD STATISTICS: n ROWS LOADED INTO TABLE 'tableCreator.tableName'

Explanation: RELOAD processing completed for the indicated table. The variable n is the number of rows actually loaded into the table indicated. This message is informational only.

User response: No action is required.
**BMC51274I**  
RELOAD STATISTICS: \( n \) ROWS/KEYS LOADED INTO PARTITION \( \text{partitionNumber} \)  

Explanation: RELOAD processing completed for the indicated partition. The variable \( n \) is the number of rows actually loaded into the data set partition identified by the variable \( \text{partitionNumber} \). This message is informational only.  

User response: No action is required.

**BMC51275I**  
RELOAD STATISTICS: \( n \) ROWS LOADED INTO SPACE '\( \text{databaseName.tableSpaceName} \)'  

Explanation: RELOAD processing completed for the indicated table space. The variable \( n \) is the number of rows actually loaded into the table space indicated. This message is informational only.  

User response: No action is required.

**BMC51276I**  
BUILD STATISTICS: \( n \) KEYS LOADED INTO INDEX '\( \text{indexCreator.indexName} \)'  

Explanation: RELOAD processing completed for the indicated table space. The variable \( n \) is the number of keys built for the index indicated. This message is informational only.  

User response: No action is required.

**BMC51277I**  
BUILD STATISTICS: \( n \) KEY-RID PAIRS UPDATED IN INDEX '\( \text{indexCreator.indexName} \)'  

Explanation: RELOAD processing completed for the indicated table space. The variable \( n \) is the number of key-RID pairs updated for the index indicated. This message is informational only.  

User response: No action is required.

**BMC51278I**  
UNLOAD STATISTICS: \( n \) KEYS UNLOADED FROM INDEX '\( \text{indexCreator.indexName} \)'  

Explanation: UNLOAD processing completed for the indicated index. This message indicates the number of keys unloaded. This message is informational only.  

User response: No action is required.

**BMC51281I**  
UNLOAD STATISTICS: \( 'X'DB2LogRBA' \) IS THE HIGHEST LOGRBA FOR PARTITION \( \text{partitionNumber} \)  

Explanation: This message lists the highest DB2 log RBA that REORG PLUS encountered for the partition while unloading the partition. The RBA may be used to perform a RECOVER TORBA if the partition reload fails. (Check your recover software documentation for its method of specifying the RBA value when performing a RECOVER TORBA.) You must perform a RECOVER TOCOPY if the value is all \( x'00 \)'s, which indicates that no updates have been performed since the last REORG or LOAD.  

User response: No action is required.
**BMC51282I** UNLOAD STATISTICS: X"DB2logRBA" IS THE HIGHEST LOGRBA FOR SPACE 'databaseName.spaceName'

*Explanation:* This message lists the highest DB2 log RBA that REORG PLUS encountered for the entire table space while unloading the table space. The RBA may be used to perform a RECOVER TORBA if the table space reload fails. (Check your recover software documentation for its method of specifying the RBA value when performing a RECOVER TORBA.) You must perform a RECOVER TOCOPY if the value is all x'00's, which indicates that no updates have been performed since the last REORG or LOAD.

*User response:* No action is required.

**BMC51283S** FOR TABLESPACE 'databaseName.tableSpaceName', UNLOAD COUNT u DOES NOT MATCH RELOAD COUNT r, PARTITION = p

*Explanation:* The number of rows unloaded from the indicated table space partition does not match the number of rows reloaded. (If p is 0, the table space is nonpartitioned.)

*User response:* Verify that the SYSREC file created during unload processing was the same file used for reload processing. If the same file was used, contact BMC Software Customer Support.

**BMC51284S** FOR INDEX 'indexCreator.indexName', UNLOAD COUNT u DOES NOT MATCH RELOAD COUNT r, PARTITION = p

*Explanation:* The number of keys unloaded from the indicated index partition does not match the number of rows reloaded. (If p is 0, the table space is nonpartitioned.)

*User response:* Verify that the SYSUT1 file created during unload processing was the same file used for reload processing. If the same file was used, contact BMC Software Customer Support.

**BMC51285S** FOR TABLE 'tableCreator.tableName', UNLOAD COUNT u DOES NOT MATCH RELOAD COUNT r

*Explanation:* The number of rows unloaded from the indicated table does not match the number of rows reloaded.

*User response:* Verify that the SYSREC file created during unload processing was the same file used for reload processing. If the same file was used, contact BMC Software Customer Support.

**BMC51286I** RELOADING OF DATASET 'dataSetName' WILL REQUIRE n PAGES

*Explanation:* During UNLOAD processing, REORG PLUS determined that reloading the indicated data set will require n pages.

*User response:* No action is required. However, if you have specified UNLOAD PAUSE, you can use this information to reallocate your DB2 data sets before restarting the job at the RELOAD phase.
BMC51287E  RELOADING OF DATASET 'dataSetName' WILL EXCEED THE MAXIMUM SIZE OF n PAGES

Explanation: During UNLOAD processing, REORG PLUS determined that n pages will not fit into this data set when reloading. This estimate is based on the primary and secondary quantities for the data set, the number of extents allowed, and DB2 constraints.

User response: The user response depends on the type of reorganization that you are performing, as follows:

- For a single-phase reorganization with SHRLEVEL NONE or SHRLEVEL REFERENCE UNLOADONLY specified, recover the spaces, correct the problem that caused the error, and resubmit the job.

- For a single-phase reorganization with SHRLEVEL REFERENCE specified, start the spaces back in their original statuses, correct the problem that caused the error, and resubmit the job.

- For a two-phase reorganization, reduce the number of rows loaded, reduce the PCTFREE value, or increase the FREEPAGE value. Then, resubmit the job with the NEW execution parameter.

BMC51288I  RELOADING OF DATASET 'dataSetName' MAY REQUIRE n PAGES

Explanation: During UNLOAD processing of an index reorganization, REORG PLUS determined that reloading the indicated index data set might require n pages. Note the following information for specific index types:

- For nonunique indexes, n pages is exact if no duplicates exist. Otherwise, n might be significantly higher than the actual number of pages required.

- For compressed indexes, REORG PLUS assumes no compression, so n might be higher than the actual number of pages required.

User response: No action is required. However, you can use this information to reallocate your DB2 data sets before reloading.

BMC51289I  RELOADING OF DATASET 'dataSetName' MAY EXCEED THE MAXIMUM SIZE OF n PAGES

Explanation: During UNLOAD processing of an index reorganization, REORG PLUS determined that the indicated data set might exceed the maximum size of n pages. Note the following information for specific index types:

- For nonunique indexes, reloading the data set will exceed the maximum size if no duplicates exist. Otherwise, reloading the data set might exceed the maximum size.
For compressed indexes, REORG PLUS assumes no compression, so reloading the data set might or might not exceed the maximum size.

*User response:* Reduce the PCTFREE value or increase the FREEPAGE value, and resubmit the job with the NEW execution parameter. If reloading fails due to insufficient space in the data set, either increase the primary and secondary quantities or further adjust the PCTFREE and FREEPAGE values; then, resubmit the job with the NEW execution parameter.

**BMC51290I**  
**RELOADING OF DATASET 'dataSetName' WILL REQUIRE n PAGES (APPROX.)**

*Explanation:* During UNLOAD processing, REORG PLUS determined that reloading the indicated data set will require approximately n pages. This message is issued for unique indexes because REORG PLUS cannot easily calculate an exact number of nonleaf pages due to key truncation.

*User response:* No action is required. However, if you specified UNLOAD PAUSE, you can use this information to reallocate your DB2 data sets before restarting the job at the RELOAD phase.

**BMC51291I**  
**A DDLIN DATASET HAS BEEN FOUND AND CONTAINS THE FOLLOWING STATEMENTS**

*Explanation:* REORG PLUS found a DDLIN data set. This message is followed by message BMC50102I for each line of input in the DDLIN data set.

*User response:* No action is required.

**BMC51292I**  
**DDLIN STATEMENT PROCESSING IS ONLY VALID WHEN REORGANIZING PARTITIONED TABLESPACES (EXCEPT PARTITION BY GROWTH)**

*Explanation:* In a DDLIN data set, you specified an ALTER statement for a nonpartitioned index or for a partition-by-growth table space. The statements must be for a partitioned index or a range-partitioned table space. REORG PLUS ignores the DDLIN statement and continues the reorganization.

*User response:* No action is required.

**BMC51293I**  
**n ALTER STATEMENT(S) WILL BE PROCESSED FROM THE DDLIN FILE**

*Explanation:* This message gives a summary count (n) of the ALTER statements in the DDLIN data set that REORG PLUS is going to process.

*User response:* No action is required.

**BMC51294E**  
**AN INCORRECT NUMBER OF COLUMN VALUES HAS BEEN SPECIFIED IN THE VALUES CLAUSE FOR PART partitionNumber**

*Explanation:* In a DDLIN data set, you specified an incorrect number of column values on the VALUES keyword for the indicated partition. REORG PLUS terminated the job.

*User response:* Correct the number of column values in the VALUES keyword for the indicated partition and resubmit the job.
BMC51295E  PART partitionNumber IS NOT A VALID PARTITION IN INDEX indexCreator.indexName
Explanation:  You specified an invalid partition number in a DDLIN data set for the indicated index. REORG PLUS terminated the job.
User response:  Correct the partition number and resubmit the job.

BMC51296I  AN ALTER STATEMENT FOR indexCreator.indexName PART partitionNumber CONTAINS A LIMIT KEY EQUAL TO THE EXISTING KEY
Explanation:  In a DDLIN data set, you specified an ALTER statement to change the limit key for the indicated partition. However, the key you specified matches the existing key. REORG PLUS continues processing the job.
User response:  No action is required unless you want to change the limit key. Reenter a value that does not match the existing key and resubmit the job.

BMC51297I  ALL SPECIFIED LIMIT KEYS HAVE BEEN SUCCESSFULLY ALTERED
Explanation:  REORG PLUS has successfully altered all of the limit key values specified in a DDLIN data set.
User response:  No action is required.

BMC51298E  THE LIMIT KEY FOR indexCreator.indexName PART partitionNumber IS OUT OF SEQUENCE WITH THE PRIOR PART'S LIMIT KEY
Explanation:  In a DDLIN data set, you specified an ALTER statement to change the limit key for the indicated partition. However, the key you specified is out of sequence with the limit key of the preceding partition. REORG PLUS terminated the job.
User response:  Correct the value of the limit key for the indicated partition and resubmit the job.

BMC51299E  DDLIN DATASET HAS BEEN UPDATED PRIOR TO THE RESTART OF THE UTILITY
Explanation:  One of the values on the VALUES keyword in the DDLIN data set was changed from the time the initial reorganization started to the time the restart was issued for that job. REORG PLUS terminated the job.
User response:  Correct the value in the DDLIN data set and resubmit the job.

Messages BMC51300 through BMC51399

For the REORG PLUS for DB2 product, this topic explains each message in the designated range.
**BMC51300E**  
**DDLIN DATASET CONTAINS MULTIPLE LIMIT KEY ALTERS FOR INDEX**

`indexCreator.indexName PART partitionNumber`

**Explanation:** The displayed index partition is listed more than once on the same ALTER INDEX statement. REORG PLUS terminated the job.

**User response:** Change the ALTER INDEX statement in the DDLIN data set so that the partition number is not duplicated on the same statement. Resubmit the job.

**BMC51301I**  
**taskNumber:** SAMPLING STATISTICS: PART= p, TP= n, SP= n, SR= n, AVGR= a, SD= n, SE= n, AVGF= f, SD= n, SE= n, EP= n

**Explanation:** This message displays the sampling statistics that ANALYZE used to determine the cardinality and average row size for the data to be reorganized. This information might help BMC Software Customer Support to diagnose a problem. The information is not useful for performance tuning. REORG PLUS produces this message only if you specified MSGLEVEL(1).

The following table describes each of the statistics displayed in this message:

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PART</td>
<td>Partition number. If the table space is not partitioned, this value is 0.</td>
</tr>
<tr>
<td>TP</td>
<td>Total number of pages in the data set</td>
</tr>
<tr>
<td>SP</td>
<td>Number of sampled pages</td>
</tr>
<tr>
<td>SR</td>
<td>Total number of rows on the sampled pages</td>
</tr>
<tr>
<td>AVGR</td>
<td>Average row length determined by this sample</td>
</tr>
<tr>
<td>SD</td>
<td>Standard deviation of AVGR</td>
</tr>
<tr>
<td>SEV</td>
<td>Standard error of AVGR</td>
</tr>
<tr>
<td>AVGF</td>
<td>Number of rows or key RIDs per pages times 100, as determined by this sample</td>
</tr>
<tr>
<td>SD</td>
<td>Standard deviation of AVGF</td>
</tr>
<tr>
<td>SE</td>
<td>Standard error of AVGF</td>
</tr>
<tr>
<td>EP</td>
<td>Number of empty pages (pages having 0 rows) in this sample</td>
</tr>
</tbody>
</table>

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

**BMC51302I**  
**MAX TASKS = t, MAX PARTITIONS PER TASK = p, SORTWKS PER TASK = s, MAX OPEN PARTITIONS PER TASK = o**

**Explanation:** This message tells you how the utility determined to perform processing, where the variables are defined as follows:
Variable | Description
---|---
t | Indicates the maximum number of concurrent tasks where multitasking can be utilized. The number of tasks does not include other processes that always use a single task. The maximum number of tasks that REORG PLUS runs depends on the available system resources, such as virtual storage, number of physical CPUs, number of work files, and sort work file space.
p | Indicates the maximum number of partitions that can be processed per task, based on the available resources. The actual number of partitions processed per task might be less than the value indicated in this message.
s | Indicates the number of sort work files assigned to each task.
o | Indicates the maximum number of partitions that can be open per task.

**User response:** No action is required. However, you can use this information to help improve performance. For example, REORG PLUS might be able to run more tasks concurrently if you increase the amount of virtual storage and allocate more sort work files. For more information, see the *REORG PLUS for DB2 Reference Manual*.

**BMC51303I**

MAX TASKS = t, INDEXES PER TASK = I, SORTWKS PER TASK = s, MAX OPEN PARTITIONS PER TASK = o

**Explanation:** This message tells you how the utility determined to perform processing, where the variables are defined as follows:

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
</table>
t | Indicates the maximum number of concurrent tasks where multitasking can be utilized. The number of tasks does not include other processes that always use a single task. The maximum number of tasks that REORG PLUS runs depends on the available system resources, such as virtual storage, number of physical CPUs, number of work files, and sort work file space.
I | Indicates the maximum number of indexes that can be processed per task, based on the available resources.
s | Indicates the number of sort work files assigned to each task.
o | Indicates the maximum number of partitions that can be open per task.

**User response:** No action is required. However, you can use this information to help improve performance. For more information, see the *REORG PLUS for DB2 Reference Manual*. 
THE DDLIN LIMIT KEY FOR PART \textit{n} WILL BE IGNORED BECAUSE PART \textit{n} IS NOT PARTICIPATING IN THE REORG

\textit{Explanation:} The DDLIN data set contains a request to alter the limit key of a partition that is not involved in the reorganization. REORG PLUS ignores the partition (does not reorganize it) and continues processing the job.

\textit{User response:} No action is required.

DDLIN PARSING COMPLETE. \textit{Explanation.} NOTHING TO ALTER

\textit{Explanation:} After parsing the DDLIN data set, REORG PLUS does not have to issue an ALTER statement for the partitioning index because of one of the following reasons:

- All of the limit key values in the ALTER statements are identical to the existing limit key values.

- None of the ALTER statements apply to the partitioning index for the table space that you are reorganizing.

REORG PLUS does not perform the ALTER and continues to perform the reorganization.

\textit{User response:} No action is required.

UNABLE TO UPDATE MAXASSIGNEDVAL IN SYSIBM.SYSSEQUENCES. VALUE HAS CHANGED DURING REORG. TABLESPACE MUST BE RECOVERED

\textit{Explanation:} REORG PLUS assigns values to uninitialized IDENTITY columns during the reorganization process. When the reorganization is complete, REORG PLUS updates the MAXASSIGNEDVAL column in the DB2 catalog table SYSIBM.SYSSEQUENCES. However, in this case, REORG PLUS discovered that the value for MAXASSIGNEDVAL changed while the reorganization was in progress.

This condition could cause duplicate values to be assigned to the IDENTITY column. Therefore, REORG PLUS bypassed the update of SYSIBM.SYSSEQUENCES and terminated the reorganization. However, the table space is no longer in a usable condition because it might contain duplicate values in the IDENTITY column.

\textit{User response:} You must perform a RECOVER TABLESPACE using an image copy that was created before the reorganization. You can manually set the MAXASSIGNEDVAL after validating that no duplicate IDENTITY column values have been assigned.
BMC51313S  NOT ENOUGH UNIQUE LIMIT KEY VALUES TO COMPLETE REBALANCE OPERATION

Explanation: Automatic rebalancing with the REBALANCE command option is not possible because insufficient unique limit key values exist to allow REORG PLUS to evenly balance the existing data across the partitions. When you use SHRLEVEL NONE and you specify UNLOAD RELOAD, insufficient unique limit key values will cause an error that can only be repaired with a recovery.

User response: If you want to rebalance the data, use the DDLIN data set to specify different limit keys. You cannot use the REBALANCE command option for this table space. If you are performing a SHRLEVEL NONE reorganization with UNLOAD RELOAD specified, then you must terminate the reorganization and recover and rebuild your objects.

BMC51315W  NOT ENOUGH ROWS TO PERFORM REBALANCE OPERATION

Explanation: The table space contains fewer rows than there are partitions.

User response: Rebalance smaller groups of partitions or add partitions to the group.

BMC51317E  OPEN/CLOSE SUBTASK ABENDED, SYSTEM CODE = systemCode, REASON CODE = reasonCode

Explanation: The REORG PLUS OPEN/CLOSE subtask has abended and has terminated the utility.

User response: Check the JES log and JES messages for more information. If you understand the problem, correct it and restart the job. If you need assistance, contact BMC Customer Support.

BMC51318E  OPEN/CLOSE SUBTASK ABENDED, USER CODE = userCode, REASON CODE = reasonCode

Explanation: In the message, userCode is the user abend code and reasonCode is the user return code. The OPEN/CLOSE subtask abended with a REORG PLUS user-defined abend code.

User response: Check preceding messages or the job log to determine the problem. If you understand the problem (for example, an I/O device timeout), correct the problem and restart the utility. If you need assistance, contact BMC Customer Support.

BMC51319E  SQL FOR DDLIN REQUIRES requiredNumberOfBytes BYTES, WHICH EXCEEDS MAXIMUM OF maximumNumberOfBytes; STATEMENT DUMP FOLLOWS

Explanation: The DDLIN data set contains an ALTER statement that exceeds the maximum length for this version of DB2 (after REORG PLUS has formatted the statement). Using index-controlled partitioning and a DDLIN data set with an ALTER statement to alter the limit keys is not supported when you are
reorganizing a large number of partitions. A hexadecimal dump of the ALTER statement follows this message.

User response: Reduce the number of partitions that you are reorganizing in a single job.

**BMC51320E**  
**SQL FOR REBALANCE REQUIRES requiredNumberOfBytes BYTES, WHICH EXCEEDS MAXIMUM OF maximumNumberOfBytes; STATEMENT DUMP FOLLOWS**

Explanation: The ALTER statement that REORG PLUS generated to rebalance partitions exceeds the maximum length for this version of DB2 (after REORG PLUS has formatted the statement). This error occurs when you attempt to use the REBALANCE option to rebalance many partitions that have long limit keys in a single job. A hexadecimal dump of the ALTER statement follows this message.

User response: Reduce the number of partitions that you are reorganizing in a single job.

**BMC51321E**  
**LIMIT-KEY MISMATCH AFTER ALTER (PART partitionNumber); KEYS WILL BE DUMPED**

Explanation: An internal error occurred and an SVC dump was taken.

User response: Contact BMC Software Customer Support.

**BMC51322I**  
**PARTITION partitionNumber HEADER PAGE AND CATALOG ROW FORMATS DO NOT MATCH. HEADER PAGE ROW FORMAT IS 'rowFormat'**

Explanation: This informational message indicates that the row format recorded in the DB2 catalog does not match the actual row format as recorded in the header page of the table space partition. DB2 does not fully support this type of mismatch, and the mismatch can cause data integrity problems. REORG PLUS interprets rows based on the header page's row-format indicator. The way in which REORG PLUS corrects the mismatch is determined by the DB2 mode in which you are running, as follows:

- If you are running DB2 in conversion mode* or enabling-new-function mode, REORG PLUS converts the row format to match the DB2 catalog and the DBD row format indicator.

- If you are running DB2 in new-function mode, REORG PLUS converts the data to reordered row format (if necessary) and updates the DB2 catalog and DBD to reordered row format (if necessary).

User response: No action is required.
**BMC51323E** TABLESPACE `databaseName.tableSpaceName` IS DEFINED AS A NOT LOGGED TABLESPACE; SHRLEVEL CHANGE DOES NOT SUPPORT THIS TYPE OF TABLESPACE

*Explanation:* You cannot specify a SHRLEVEL CHANGE reorganization for a table space that has the NOT LOGGED attribute. The reorganization fails.

*User response:* Use the ALTER TABLESPACE statement to change the logging attribute of the table space, or change the SHRLEVEL to REFERENCE or NONE. Resubmit the job.

**BMC51324E** PARTITION BY GROWTH: PARTIAL REORGANIZATION NOT ALLOWED WITH PARTS IN REORP STATUS

*Explanation:* You attempted a partial reorganization of a partition-by-growth table space. One or more of the indicated partitions are in REORG pending status (REORP), and therefore, REORG PLUS cannot perform a partial reorganization.

*User response:* Perform a full table space reorganization.

**BMC51325E** THE COMBINATION OF SHRLEVEL NONE AND UNLOAD RELOAD IS NOT ALLOWED WHEN PBG EXTENSION IS POSSIBLE AND NO INDEXES EXIST

*Explanation:* You attempted to reorganize a partition-by-growth table space to which partitions might be added, and for which no indexes exist. For this type of reorganization, you cannot specify both SHRLEVEL NONE and single-phase processing.

*User response:* Perform one of the following actions:

- Perform a two-phase reorganization instead of single-phase.
- Change the value of the SHRLEVEL option.
- Create an index on the table space.

**BMC51326E** REBALANCE / DDLIN NOT ALLOWED ON TABLESPACE THAT CONTAINS A `columnType` COLUMN

*Explanation:* With the noted exception, REORG PLUS does not support altering partition limit keys on tables that contain the indicated column type. Therefore, you cannot include a DDLIN data set or specify the REBALANCE command option when you reorganize this type of object.
**Note**

This restriction on a DDLIN data set applies to an XML column only when the ALTER statement would alter the last partition of one of the following table space types:

- a table space that uses table-controlled partitioning
- a table space that is defined with the LARGE or DSSIZE attribute

*User response:* Remove the DDLIN data set or the REBALANCE option and resubmit the job.

**BMC51327E**

*option NOT ALLOWED ON AN XML TABLESPACE*

*Explanation:* One of the following unsupported conditions exists for an XML table space reorganization:

- The JCL includes a DDLIN data set.
- The REORG command includes one of the following options:
  - REBALANCE
  - SELECT
  - DELETE
  - UPDATE

*User response:* Remove the unsupported data set or option and restart or resubmit the job.

**BMC51328I**

*optionValue1 NOT ALLOWED ON AN XML TABLESPACE. optionValue2 HAS BEEN SUBSTITUTED*

*Explanation:* ANALYZE SCAN was specified on an XML table space reorganization. Table space cardinality cannot be determined from an XML index because a one-to-one relationship does not exist between index keys and rows. Therefore, REORG PLUS changed ANALYZE SCAN in this case to ANALYZE SAMPLE and obtained index cardinality from the DB2 real-time statistics tables.

*User response:* No action is required.

**BMC51329E**

*MAXVALUE EXCEEDED FOR MAXASSIGNEDVAL VALUE OF TABLE 'tableCreator.tableName'*

*Explanation:* REORG PLUS attempted to use the value specified on the IDCACHE option to reserve a set of document ID numbers on the MAXASSIGNEDVAL column of SYSEIBM.SYSEQUENCES. Based on the current value of MAXASSIGNEDVAL, REORG PLUS could not reserve the
cache because the largest number of the cache would exceed the allowable value for the MAXASSIGNEDVAL column.

User response: Reduce the value specified for IDCACHE and restart or resubmit the job.

**BMC51330W**

**THE VALUE SPECIFIED FOR IDCACHE IS INVALID. IT HAS BEEN RESET TO defaultValue**

*Explanation:* You specified a value that is less than 1 for the IDCACHE command option. REORG PLUS reset this value to the default (as specified in the installation options module) and continued processing.

*User response:* No action is required.

**BMC51331S**

*taskNumber*: FOUND NOT-PSEUDO-DELETED RID 'recordID' FOR KEY 'key'; INDEX = databaseName.indexSpaceName

*Explanation:* REORG PLUS encountered an internal error and produced a diagnostic dump.

*User response:* Contact BMC Customer Support.

**BMC51332E**

**INDEX 'creatorName[indexName]' INCOMPLETELY UPDATED IN PRIOR RUN; WILL BE PLACED IN REBUILD PENDING STATUS**

*Explanation:* You attempted to restart a partial table space reorganization with SHRLEVEL NONE in effect. The original job failed during update processing of one of the following indexes:

- a nonpartitioned, nonunique, compressed index
- a document ID index for which REORG PLUS generated document ID values

*Note*

This situation might occur if the job is the first reorganization after adding the first XML column to the table.

The index is placed in page set REBUILD pending (PSRBD) status.

*User response:* Rebuild the affected index and resubmit the organization.

**BMC51333I**

**AN ATTRIBUTE OF INDEX 'creatorName[indexName]' PREVENTS REDO OF SUCCESSFUL UPDATE FROM PRIOR RUN**

*Explanation:* You used RESTART(PHASE) to restart a partial table space reorganization. SHRLEVEL NONE and UNLOAD CONTINUE were in effect for the original job, and the original job failed after the table space was reorganized.

At least one of the following indexes that was successfully updated during the original job or an earlier job could not be updated again. (Other indexes might have been updated again.)
- a nonpartitioned, nonunique, compressed index
- a document ID index for which REORG PLUS generated document ID values

**Note**
This situation might occur if the job is the first reorganization after adding the first XML column to the table.

*User response:* No action is required.

---

**BMC51334E**

**REBALANCE / DDLIN NOT ALLOWED DUE TO PENDING DDL CHANGES ON TABLESPACE 'databaseName.tableSpaceName' OR ONE OF ITS INDEXES**

**Explanation:** You specified REBALANCE or included a DDLIN data set in your JCL, but the table space or one of its indexes contained pending DDL changes. REORG PLUS does not support partition rebalancing when DDL changes are pending on the participating objects. The job terminated.

*User response:* Remove the DDLIN data set from your JCL or the REBALANCE keyword from the REORG command. Rerun the reorganization.

---

**BMC51335E**

**CHANGES TO DATA MAY HAVE OCCURRED SINCE ORIGINAL RUN; INDEX 'indexCreator.indexName' WILL REMAIN IN REBUILD PENDING STATUS**

**Explanation:** You attempted to restart a SHRLEVEL CHANGE job that failed during the UTILTERM phase. However, updates that affect index key columns might have been made before the restart. The job terminated and the index remains in REBUILD pending (RBDP) status.

*User response:* Rebuild the index.
Messages BMC51400 through BMC51599

This group includes messages for the LOADPLUS for DB2 product.

Messages BMC51400 through BMC51499

For the LOADPLUS for DB2 product, this topic explains each message in the designated range.

BMC51401E  DUPLICATE FIELD SPECIFICATIONS FOR COLUMN 'columnName'

Explanation: The same field name was used more than once in the field specification.

User response: Correct the field specification and resubmit the job.

BMC51402E  FOR FIELD 'fieldName', POSITION START AND END MUST BOTH BE ABSOLUTE VALUES OR BOTH RELATIVE VALUES

Explanation: If you use an integer for the start position, you must either specify an integer end position or not specify an end position. If you use * or *+ n for the start position, you must either specify a *+ m end position or not specify an end position. m must be greater than or equal to n.

User response: Correct the position specification and resubmit the job.

BMC51403I  FOR FIELD 'fieldName', END POSITION IGNORED

Explanation: You specified an end position for a VARCHAR, VARBINARY, or VARGRAPHIC field or for a field with an explicit length. LOADPLUS ignored the specification.

User response: No action is required.
**BMC51404E**  FOR FIELD ‘fieldName’, END POSITION OR LENGTH MUST BE SPECIFIED

*Explanation:* For the field type indicated, you must specify POSITION(start: end) or a length. For more information, see the POSITION keyword description in the LOADPLUS for DB2 Reference Manual.

*User response:* Correct the field specification and resubmit the job.

**BMC51405E**  FOR FIELD ‘fieldName’, DATA TYPE ‘dataType1’ IS INCOMPATIBLE WITH COLUMN DATA TYPE ‘dataType2’

*Explanation:* LOADPLUS does not support the data conversion that is implied by the data type of the indicated field and the column data type. For the allowed conversions, see the LOADPLUS for DB2 Reference Manual.

*User response:* Correct the field specification and resubmit the job. You can also write your own conversion routine to perform the conversion.

**BMC51406E**  NO FIELD SPECIFICATION FOR COLUMN ‘columnName’, BUT COLUMN IS DEFINED NOT NULL

*Explanation:* A field specification for the indicated column is not included, and the following conditions exist:

- The column is defined as NOT NULL.
- The column either does not have a DEFAULT specification or is not a column for which LOADPLUS generates values.

*User response:* Either add a field specification to the LOADPLUS job or alter the column to include a DEFAULT specification. Resubmit the job.

**BMC51407E**  NULLIF IS SPECIFIED FOR COLUMN ‘columnName’, BUT THE COLUMN IS NOT NULLABLE

*Explanation:* The field specification includes the NULLIF option but the column is defined as NOT NULL.

*User response:* Correct the field specification and resubmit the job.

**BMC51408E**  UNKNOWN DATE/TIME EXTERNAL FORMAT ‘format’ FOR COLUMN ‘columnName’

*Explanation:* LOADPLUS does not recognize the indicated date, time, or timestamp external format.

*User response:* Correct the field specification and resubmit the job.

**BMC51409E**  FIELD SPECIFICATION ‘fieldName’ HAS NO CORRESPONDING COLUMN AND ITS DATA TYPE IS NOT ALLOWABLE IN A SKIPFIELD. CHECK SPELLING OR SPECIFY ‘SKIPFIELDS YES ALLTYPES’

*Explanation:* A field in your field specification has no corresponding column and you specified or defaulted to SKIPFIELDS YES. For this condition, the data type can only be one of the following types:
- CHARACTER (CHAR)
- VARCHAR
- VARGRAPHIC
- ROWID
- VARBINARY

User response: Either correct the field specification or specify SKIPFIELDS YES ALLTYPES and resubmit the job.

**BMC51410E**  DATA TYPE 'dataType' FOR COLUMN 'columnName' IS INVALID explanation

Explanation: The data type in your field specification for this column is valid only under certain circumstances, as described by explanation. One common scenario for this message is that a delimited timestamp data type was specified, but FORMAT CSV was not specified on the LOAD command.

User response: Change the data type in your field specification or change other appropriate options on your LOAD command. Resubmit the job.

**BMC51411E**  THE COLUMN OR FIELD SPECIFICATION 'name' USED IN A COMPARISON CANNOT BE FOUND

Explanation: A column in a WHEN, NULLIF, or DEFAULTIF comparison is not a column in the table indicated, or a field in a comparison is not a field listed in the INTO TABLE option.

User response: Correct the name of the column or field and resubmit the job.

**BMC51412E**  option NOT ALLOWED WITH FORMAT UNLOAD, FORMAT BMC, FORMAT CSV, OR FORMAT BMCUNLOAD

Explanation: You specified one of the listed FORMAT options with either an unsupported load type or an unsupported LOAD command option. The option variable indicates one of the following limitations with the FORMAT option:

- You cannot specify these FORMAT options when you are loading LOB or XML data.

- You cannot specify CONTINUEIF with FORMAT UNLOAD, FORMAT BMC, FORMAT BMCUNLOAD, or FORMAT CSV.

- You cannot include any field specifications with FORMAT UNLOAD, FORMAT BMC, or FORMAT BMCUNLOAD.
If you include the WHEN option with FORMAT UNLOAD, FORMAT BMC, or FORMAT CSV, your comparison must use a table column name, not a start:end field.

User response: Correct the LOAD command and resubmit the job.

BMC51413E 'WHEN TABLE = ' ALLOWED ONLY WITH FORMAT UNLOAD, FORMAT BMC, OR FORMAT BMCUNLOAD

Explanation: You can specify WHEN TABLE=obid only with FORMAT UNLOAD, FORMAT BMC, or FORMAT BMCUNLOAD.

User response: Correct the LOAD command and resubmit the job.

BMC51414I 'FORMAT option' SPECIFIED. rulesOption RULES IN EFFECT FOR WHEN COMPARISONS

Explanation: The indicated FORMAT option is not valid with the value of the RULES option in your installation options module. For this execution, LOADPLUS has overridden this value with the value that displays in the message.

User response: No action is required.

BMC51415E FOR 'option' FIELD 'fieldName', ONLY '=' ', ¬ =', '<>', 'IN', & 'NOT IN' COMPARISONS ARE ALLOWED

Explanation: RULES=STANDARD is specified in your installation options module. Operators were specified in the LOAD command that are valid only if RULES=BMC.

User response: Correct the LOAD command or your RULES option and resubmit the job.

BMC51416E FOR 'option' FIELD 'fieldName', CONSTANT MUST BE A CHARACTER STRING OR A HEX STRING

Explanation: A specified comparison constant is not valid when RULES=STANDARD.

User response: Correct the LOAD command or your RULES option and resubmit the job.

BMC51417E FOR FIELD 'fieldName', ONLY ONE NULLIF/DEFAULTIF CAN SPECIFY THE 'ERROR' OPTION

Explanation: More than one error condition was specified for a column, which LOADPLUS does not allow.

User response: Correct the LOAD command and resubmit the job.

BMC51418E FOR FIELD 'fieldName', NULLIF CANNOT SPECIFY A 'VALUE' OPTION

Explanation: A VALUE clause was specified on a NULLIF statement, which LOADPLUS does not allow.

User response: Correct the LOAD command and resubmit the job.
BMC51419E  'INDEX UPDATE' REQUIRES 'UNIQUECHECK NO'

Explanation: If you specify INDEX UPDATE for a two-phase load, you must specify UNIQUECHECK NO.

User response: Correct the LOAD command and resubmit the job.

BMC51420E  FOR INPUT RECORD NUMBER recordNumber, FIELD 'fieldName' STARTS IN POSITION n BUT HAS NO END STRING DELIMITER

Explanation: While loading your CSV data, LOADPLUS found an input record that contains a delimiter that indicates the beginning of a string. However, LOADPLUS reached the end of the record without finding an end-of-string delimiter. LOADPLUS discards the record.

User response: Correct your input data and resubmit your job.

BMC51421I  NO FIELD SPECIFICATION FOR COLUMN 'columnName'. VALUE IS DEFAULTED

Explanation: A field specification was not provided for a column of the table that you are loading, and the column meets one of the following criteria:

- The column is nullable.
- The column is defined with NOT NULL and has a DEFAULT specification. LOADPLUS loads the column with the default value.

User response: No action is required.

BMC51422I  FOR TABLE 'tableCreator$tableName' THE FOLLOWING INPUT FIELDS HAVE KNOWN START:END POSITIONS THAT WERE NOT SPECIFIED

Explanation: One or more instances of message BMC51423I follows this message. BMC51423I lists the fields with complete field start:end information.

User response: No action is required.

BMC51423I  FIELD 'fieldName' HAS POSITION(start:end)

Explanation: LOADPLUS issues this message if you did not specify POSITION on the field specification and LOADPLUS can determine the start position, or if you specified only POSITION(start) and LOADPLUS can determine the end position.

User response: No action is required.

BMC51424I  ANALYZE PHASE WILL BE PERFORMED DUE TO DYNAMIC WORK FILE ALLOCATION

Explanation: LOADPLUS performs the ANALYZE phase because you enabled dynamic data set allocation for this utility execution.

User response: No action is required.
**BMC51425I**  
**ANALYZE PHASE BYPASSED. EITHER AUTOMATED ENUMROWS MUST BE ENABLED OR A VALUE MUST BE SPECIFIED FOR ENUMROWS.**

*Explanation:* LOADPLUS did not perform the ANALYZE phase and did not dynamically allocate any data sets because either automated file size estimation was not in effect or you did not specify a value for *total* or *new* on the ENUMROWS command option.

*User response:* Provide one of the following specifications and resubmit the job:

- Specify AUTOENUMROWS=YES in your installation options.
- Specify ENUMROWS AUTO on your LOAD command.
- Specify ENUMROWS (*total*) or ENUMROWS (*new*).

For more information, see the ENUMROWS description in the *LOADPLUS for DB2 Reference Manual*.

**BMC51426I**  
**'ORDER option' IS MEANINGLESS FOR A TABLE WITHOUT A CLUSTERING INDEX; CONVERTING TO 'ORDER NO'**

*Explanation:* LOADPLUS issues this message when you are loading a single table in a nonpartitioned table space and there is no clustering key. LOADPLUS changes ORDER PRESORTED or ORDER YES to ORDER NO.

*User response:* No action is required.

**BMC51427E**  
**MULTIPLE PART NUMBERS ARE NOT ALLOWED WITH MORE THAN ONE INTO TABLE BLOCK**

*Explanation:* LOADPLUS does not allow you to specify multiple partition numbers on a single INTO TABLE option if you specify multiple INTO TABLE blocks on the LOAD command.

*User response:* Change the LOAD command to specify either multiple INTO TABLE blocks, each with only one partition listed, or one INTO TABLE block with multiple partitions listed. Resubmit the job.

**BMC51428E**  
**COLUMN 'columnName' CANNOT BE A PREDICATE IN A NULLIF, DEFAULTIF, WHEN CLAUSE, OR A DB2 CHECK CONSTRAINT.**

*Explanation:* Your LOAD command included one of the following options:

- You referenced an identity column or a column that is defined with a data type of ROWID, BLOB, CLOB, DBCLOB, or XML either in the predicate of a NULLIF, DEFAULTIF, or WHEN clause or in the check condition of a DB2 check constraint.
- LOADPLUS generated values for an identity column that contained a check constraint.
LOADPLUS does not support these options.

User response: Change the LOAD command and resubmit the job. If this error occurred because the identity column is referenced in the check condition of a DB2 check constraint, you can specify ENFORCE NO or ENFORCE RI on your LOAD command and resubmit the job.

**BMC51429E**

*option* CLAUSE NOT VALID FOR COLUMN 'columnName'

Explanation: You specified one of the following options:

- NULLIF on a column with data type ROWID
- DEFAULTIF ... VALUE on a column with data type ROWID
- DEFAULTIF on a LOB or XML column

LOADPLUS does not support these clauses for the specified column.

User response: Change the LOAD command and resubmit the job.

**BMC51430E**

'option' ONLY VALID IF 'PART REPLACE' SPECIFIED AND NO NON-PARTITIONING INDEXES

Explanation: The displayed option is valid only if you specify PART REPLACE for all partitions that are involved in the load and no nonpartitioning indexes exist.

User response: Correct the LOAD command and resubmit the job.

**BMC51432W**

ROWID COLUMN 'columnName' IS 'GENERATED ALWAYS'. INPUT DATA WILL BE IGNORED

Explanation: You are loading a table that contains a ROWID column that is defined as GENERATED ALWAYS. LOADPLUS ignores the field specification and any input data from this column, and generates its own unique row identifiers.

User response: No action is required. However, if you want LOADPLUS to load existing data from a ROWID column, you must define it as GENERATED BY DEFAULT.

**BMC51433E**

SPACE databaseName.spaceName WOULD REQUIRE state STATE AFTER LOAD

Explanation: This message is displayed after message BMC50263E, which indicates that the object that you are trying to load is in either LPL or WEPR state. LOADPLUS cannot load this object because the object must be in a restricted state after the load.

User response: Follow the documented DB2 procedures to remove the object from LPL or WEPR state (for example, by using RECOVER). For information
about the restrictions for loading an object that is in LPL or WEPR state, see Chapter 2 of the *LOADPLUS for DB2 Reference Manual*. Resubmit the job.

**BMC51434E**  
**FIELD SPECIFICATIONS REQUIRED FOR** `dataType` **COLUMN 'columnName' WHEN 'FORMAT CSV' IS SPECIFIED**

*Explanation:* FORMAT CSV was specified but no field specifications were provided for the indicated column. With the following exception, LOADPLUS requires field specifications for all input fields when you are loading CSV data.

*Note*  
You do not have to supply a field specification for the last input field or fields in your CSV file if you do not want to load these fields.

*User response:* Add a field specification for the indicated column. If you do not want to load the input field from your CSV file, include a dummy field specification. For more information about field specifications when loading CSV data, see Chapter 2 of the *LOADPLUS for DB2 Reference Manual*.

**BMC51435S**  
**RESTART IS NOT POSSIBLE BECAUSE INDEX UPDATE WAS IN PROGRESS AT TIME OF FAILURE; RECOVERY REQUIRED**

*Explanation:* In a LOAD RESUME YES INDEX UPDATE job, you specified RESTART after a failure. However, RESTART is not possible because LOADPLUS started the index update process but did not complete it.

*User response:* Determine the reason for the original failure and recover the table space and indexes. Resubmit the job.

**BMC51436E**  
**RESTART(PHASE) IS NOT POSSIBLE BECAUSE INDEXES ARE ALREADY UPDATED; USE RESTART**

*Explanation:* In a LOAD RESUME YES INDEX UPDATE job, you specified RESTART(PHASE) after a failure. However, RESTART(PHASE) is not possible because LOADPLUS completed the index update process.

*User response:* Specify RESTART without the PHASE option and resubmit the job.

**BMC51437E**  
**RESTART IS NOT POSSIBLE BECAUSE OF NO WORK DATASETS**

*Explanation:* SYSUT1 and SORTOUT data sets were not allocated on a single-phase LOAD RESUME YES SHRLEVEL NONE job, but you attempted to restart the job. LOADPLUS requires these data sets for restart when either of the following conditions exist:

- SYSUT1 is always required to restart this type of load job, unless you specify TABLE `tableName` REPLACE.
- SORTOUT is required to restart if you also specify ORDER YES. This requirement does not apply if you are replacing one or more partitions, or
replacing a table (specifying PART \( n \) REPLACE or TABLE \( tableName \) REPLACE).

*User response:* Recover the table space and indexes, and resubmit the original job.

**BMC51438E**

**taskNumber: INPUT RECORD recordNumber NOT IN CLUSTERING INDEX SEQUENCE**

*Explanation:* You specified ORDER PRESORTED but the input data is not in clustering index sequence. Record number recordNumber is not in correct sequence after all FIELDPROCs, EDITPROCs, and VALIDPROCs were processed. LOADPLUS checks sequence as the row is about to be loaded, and the internal key might not reflect the external data fields.

*Note*
If the data is partitioned and the clustering index is either not partitioned or is a DPSI, the data must be sorted first by partition, then by clustering key.

Two BMC50497I messages follow this message. The first BMC50497I message displays the previous key. The second message displays the current key. The length of each of these keys includes the NULL indicator byte for any field that is nullable.

*User response:* Either sort the data as required and resubmit this job, or change the ORDER option to ORDER NO or ORDER YES and resubmit the job. Note that you cannot restart the job if you change the value of the ORDER option.

**BMC51440E**

**PAGE X'pageNumber' IS MARKED 'READ WITH I/O ERROR'**

*Explanation:* LOADPLUS found a page (pageNumber) that showed an I/O error during an I/O operation for that page.

*User response:* Contact BMC Customer Support.

**BMC51441E**

**FLAG BYTE/LAST BYTE DISCREPANCY ON PAGE X'pageNumber'**

*Explanation:* LOADPLUS detected a discrepancy between the flag byte and last byte on page pageNumber.

*User response:* Contact BMC Customer Support.

**BMC51442E**

**FOUND PAGE FLAGS X'flags' INDICATING HEADER PAGE AT PAGE NUMBER X'pageNumber'**

*Explanation:* LOADPLUS found an inappropriate page number or page flag. The page flags indicate a header page.

*User response:* Contact BMC Customer Support.
<table>
<thead>
<tr>
<th>Code</th>
<th>Message Description</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC51443E</td>
<td><strong>FOUND PAGE FLAGS X'flags' INDICATING SPACE MAP AT PAGE NUMBER X'pageNumber'</strong></td>
<td>LOADPLUS found an inappropriate page number or page flag. The page flags indicate a space map.</td>
<td>Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC51444E</td>
<td><strong>FOUND UNIDENTIFIED PAGE WITH FLAGS X'flags' AT PAGE NUMBER X'pageNumber'</strong></td>
<td>The page at pageNumber has an unrecognized page type indicated by flags.</td>
<td>Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC51445E</td>
<td><strong>INTERNAL ERROR: routineName, CODE = code</strong></td>
<td>An internal error occurred.</td>
<td>Contact BMC Customer Support with the routine and code that this message displays.</td>
</tr>
<tr>
<td>BMC51446E</td>
<td><strong>INVALID PAGE X'pageNumber' REASON: explanation</strong></td>
<td>During INDEX BUILD processing, LOADPLUS read a page from the index and the page is invalid for the reason indicated by explanation.</td>
<td>Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC51447E</td>
<td><strong>INDEX MAINTENANCE UNAVAILABLE - explanation</strong></td>
<td>LOADPLUS cannot perform logical index processing for the reason indicated by explanation.</td>
<td>Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC51448E</td>
<td><strong>INDEX ERROR IN 'dataSetName'</strong></td>
<td>A severe error occurred while processing a page within this data set. For more information about the error, see accompanying messages.</td>
<td>Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC51449W</td>
<td><strong>INDEX WILL BE LEFT IN RECOVER PENDING. PROCESSING CONTINUES WITH THE NEXT INDEX</strong></td>
<td>An error that a previous message describes occurred while LOADPLUS was deleting duplicate index entries. LOADPLUS leaves the index in RECOVER pending status and continues processing the next index, if one exists.</td>
<td>Run RECOVER PLUS or the IBM RECOVER utility on the index indicated in message BMC51448E.</td>
</tr>
</tbody>
</table>
### BMC51450E
**CONTINUEIF LOGICAL RECORD FROM ddname GREATER THAN 32K**

*Explanation:* A logical record that is greater than 32,768 bytes long was being created during CONTINUEIF processing. This is not permitted.

*User response:* Correct the input and resubmit the job.

### BMC51451E
**'REPLACE' NOT SPECIFIED AND SPACE 'databaseName.tableSpaceName', PARTITION partitionNumber IS NOT EMPTY**

*Explanation:* LOAD REPLACE or PART REPLACE must be specified when you specify RESUME NO and the indicated partition of the indicated table space contains active DB2 data.

*User response:* Specify LOAD REPLACE, PART REPLACE, or RESUME YES and restart the job.

### BMC51452E
**'REPLACE' NOT SPECIFIED AND SPACE 'databaseName.tableSpaceName' IS NOT EMPTY**

*Explanation:* LOAD REPLACE must be specified when you specify RESUME NO and the indicated table space contains active DB2 data.

*User response:* Specify LOAD REPLACE or RESUME YES and restart the job.

### BMC51453I
**EXISTING ROWS IN objectType 'objectName' DELETED**

*Explanation:* LOADPLUS issues this message for the table space when you specify LOAD REPLACE (or LOAD RESUME NO REPLACE). LOADPLUS issues this message for the table when you specify LOAD RESUME YES INTO TABLE tableName REPLACE.

*User response:* No action is required.

### BMC51454I
**EXISTING ROWS IN TABLESPACE 'databaseName.tableSpaceName' PARTITION partitionNumber DELETED**

*Explanation:* LOADPLUS issues this message when you specify PART REPLACE.

*User response:* No action is required.

### BMC51455E
**FIELD 'fieldName' EXTENDS BEYOND END-OF-RECORD FOR ALL RECORDS**

*Explanation:* LOADPLUS determined that the indicated field is not entirely contained in the input record for all records. Processing stops.

*User response:* Correct the field specification and resubmit the job.

### BMC51456E
**CONTINUEIF SPECIFICATION EXTENDS BEYOND END-OF-RECORD FOR ALL RECORDS**

*Explanation:* LOADPLUS determined that the CONTINUEIF field is not entirely contained in the input record for all records. Processing stops.

*User response:* Correct the CONTINUEIF option and resubmit the job.
BMC51457E  WHEN SPECIFICATION FOR TABLE 'tableCreator.tableName' EXTENDS BEYOND END-OF-RECORD FOR ALL RECORDS
Explanation: LOADPLUS determined that the WHEN field is not entirely contained in the input record for all records. Processing stops.
User response: Correct the WHEN option and resubmit the job.

BMC51458E  NULLIF/DEFAULTIF SPECIFICATION FOR FIELD 'fieldName' EXTENDS BEYOND END-OF-RECORD FOR ALL RECORDS
Explanation: You specified a NULLIF or DEFAULTIF comparison that is not entirely contained in the input record for all records. Processing stops.
User response: Correct the NULLIF or DEFAULTIF comparison or correct your input data. Resubmit the job.

BMC51459E  END-OF-FILE ON ddname DATASET WHEN CONTINUATION RECORD EXPECTED
Explanation: You specified CONTINUEIF and the current record indicates that the next record should be concatenated, but LOADPLUS encountered an end-of-file indicator on the indicated input data set.
User response: Check and correct the continuation or input data and resubmit the job.

BMC51460S  UNEXPECTED END-OF-FILE ON ddname DATA SET DURING SYSERR PROCESSING, RECORD recordNumber
Explanation: This message indicates a LOADPLUS internal error.
User response: Contact BMC Customer Support.

BMC51461E  DISCARD LIMIT limit REACHED. PROCESSING TERMINATED
Explanation: The number of discard violations exceeds the discard limit that you specified with the DISCARDS option. (For more information about discard violations, see the description of the DISCARDS option in the LOADPLUS for DB2 Reference Manual.) The load job did not complete and the table space remains in use by LOADPLUS.
User response: Correct the errors that are causing records to be discarded or increase the discard limit. For any type of load job except an SQLAPPLY load, restart LOADPLUS with the same utility ID.

For an SQLAPPLY load, some records might have already been loaded. Take the appropriate action for your situation.

BMC51462I  ONE OR MORE DISCARDS IGNORED DUE TO DISCARD IGNORE OPTION
Explanation: LOADPLUS issues this message when you include the DISCARD IGNORE option on your LOAD command.
User response: No action is required.
BMC51463I ONE OR MORE DISCARDS NOT REPORTED DUE TO DISCARD REPORT OPTION

Explanation: LOADPLUS issues this message when you include the DISCARD REPORT option on your LOAD command.

User response: No action is required.

BMC51464I LOAD PHASE EXECUTION IS BYPASSED DUE TO NO ROWS ADDED TO TABLESPACE

Explanation: LOADPLUS bypasses the LOAD phase and does not rebuild the indexes because you specified RESUME YES and no rows were added to the table space.

User response: No action is required, but you should verify that the options in your LOAD command are correct.

BMC51465I BUILD BYPASSED FOR INDEX 'indexCreator.indexName' DUE TO NO ROWS ADDED TO TABLE 'tableCreator.tableName'

Explanation: LOADPLUS bypasses the build process for the indicated index because no rows were added to the table.

User response: No action is required.

BMC51466I BUILD BYPASSED FOR INDEX 'indexCreator.indexName' PART partitionNumber DUE TO NO ROWS ADDED TO PART

Explanation: LOADPLUS bypasses the build process for the indicated index partition because no rows were added to the table.

User response: No action is required.

BMC51467E TOO MANY DDataType DD STATEMENTS PRESENT

Explanation: LOADPLUS detected more than 256 SYSREC DD statements or 16 SORTOUT DD statements.

User response: Reduce the number of SYSREC and/or SORTOUT DD statements and resubmit the job.

BMC51468E DCB RECFM FOR ddbname IS NOT COMPATIBLE WITH PREVIOUS RECFM

Explanation: The record formats for your SYSRECnn data sets are inconsistent. The SYSRECnn data sets you specify must be all fixed (F or FB) or all variable (V, VB, or VBS).

User response: Revise the record formats for your SYSREC data sets or revise your SYSREC DD statements and resubmit the job.

BMC51469E DCB LRECL FOR ddbname IS NOT THE SAME AS PREVIOUS LRECL

Explanation: The logical record length (LRECL) for your data sets is inconsistent. All specified data sets must have the same LRECL.

User response: Revise your data sets or your DD statements and resubmit the job.
**BMC51470I**

**PRELOAD STATISTICS: n ROWS SELECTED FOR TABLE**

'`tableCreator.tableName`', **d ROWS SELECTED BUT DISCARDED DUE TO ERRORS**

*Explanation:* PRELOAD processing completed for the indicated table. The variable `n` indicates the number of rows that LOADPLUS selected and `d` is the number of rows that LOADPLUS discarded for the indicated table.

*User response:* No action is required.

**BMC51471I**

**PRELOAD STATISTICS: n ROWS SELECTED FOR PARTITION**

`partitionNumber`

*Explanation:* PRELOAD processing completed for the indicated partition. The variable `n` indicates the number of rows that LOADPLUS selected for the data set partition identified by `partitionNumber`.

*User response:* No action is required.

**BMC51472I**

**[ADJUSTED] PHASE STATISTICS: n ROWS SELECTED FOR SPACE**

'`databaseName.tableSpaceName`', **d ROWS SELECTED BUT DISCARDED DUE TO ERRORS**

*Explanation:* LOAD, PRELOAD, or COMBINED phase processing completed for the indicated table space. The variable `n` indicates the number of rows that LOADPLUS selected, and `d` is the number of rows that LOADPLUS discarded for the indicated table space.

The adjusted version of this message displays statistics after discard processing completes, reflecting the actual number of selected rows after discards.

**Note**

Note the following additional information:

- Records that LOADPLUS does not select because they do not meet the WHEN criteria on any INTO clause are not considered errors.

- The number of discarded records in your SYSDISC data set might not match the number of discards that LOADPLUS reports in this message because LOADPLUS issues a separate discard message for each violation. For example, if two input records are duplicates and they both violate a check constraint, LOADPLUS reports four discard violations, but the SYSDISC data set contains only two discarded input records.

*User response:* No action is required.

**BMC51473I**

**[ADJUSTED] LOAD STATISTICS: n ROWS LOADED INTO TABLE**

'`tableCreator.tableName`'

*Explanation:* Load processing completed for the indicated table. The variable `n` indicates the number of rows that LOADPLUS actually loaded into the indicated table.
The adjusted version of this message displays statistics after discard processing completes, reflecting the actual number of loaded rows after discards.

User response: No action is required.

**BMC51474I**

**process STATISTICS: n (ROWS | KEYS) LOADED INTO (TABLE SPACE | INDEX) objectName PARTITION partitionNumber**

Explanation: Load or build processing completed for the indicated object. The variable n indicates the number of rows or keys that LOADPLUS actually loaded into the object.

User response: No action is required.

**BMC51475I**

**LOAD STATISTICS: n ROWS LOADED INTO TABLE SPACE \`databaseName.tableSpaceName`**

Explanation: Load processing completed for the indicated table space. The variable n indicates the number of rows that LOADPLUS actually loaded into the table space indicated.

User response: No action is required.

**BMC51476I**

**[ADJUSTED] BUILD STATISTICS: n KEYS LOADED INTO INDEX \`indexCreator.indexName`**

Explanation: Load processing completed for the indicated index. The variable n indicates the number of keys that LOADPLUS built for the indicated index.

The adjusted version of this message displays statistics after discard processing completes, reflecting the actual number of built keys after discards.

User response: No action is required.

**BMC51477I**

**LOAD PHASE DISCARD STATISTICS: n ROWS/KEYS DELETED FROM DSN dataSetName**

Explanation: One of the following situations occurred:

- You specified UNIQUECHECK CLUSTER and LOADPLUS detected one or more duplicate keys in a non-data-sorting index.

- You specified UNIQUECHECK NO and LOADPLUS detected one or more duplicate keys.

- You specified PRELOAD LOAD and LOADPLUS detected one or more duplicate keys.

At the end of the LOAD or COMBINED phase, LOADPLUS deleted the duplicate keys from your index and rows from your table space. The variable n
indicates the number of keys or rows that LOADPLUS deleted and dataSetName identifies the data set that is affected.

User response: No action is required.

**BMC51478I**  
**PRELOAD STATISTICS: n PHYSICAL (/ LOGICAL) RECORDS READ FROM ddname**

*Explanation:* PRELOAD processing (in either the PRELOAD phase or the COMBINED phase) completed for the input data set. This message indicates the number of physical and logical records (after CONTINUEIF processing) that LOADPLUS read from the input data set in the indicated SYSREC DD statement.

User response: No action is required.

**BMC51479I**  
**phase STATISTICS: n PHYSICAL (/ LOGICAL) RECORDS DISCARDED TO SYSDISC**

*Explanation:* This message accompanies message BMC51478I, and indicates the number of physical (and logical) records (after CONTINUEIF processing) that LOADPLUS wrote to the discard data set specified in the SYSDISC DD statement.

User response: No action is required.

**BMC51480I**  
**taskNumber: taskType COMPLETE. ELAPSED TIME = time. n ROWS PASSED TO THE HIGH-SPEED APPLY ENGINE**

*Explanation:* The indicated task completed in the given elapsed time. LOADPLUS issues this message when using the BMC High-speed Apply Engine to perform an online load (LOAD RESUME YES SHRLEVEL CHANGE SQLAPPLY). The message indicates the number of rows that LOADPLUS passed to the High-speed Apply Engine.

User response: No action is required.

**BMC51481I**  
**INDEX STATISTICS ARE FOR THE REPLACED PARTITIONS ONLY**

*Explanation:* Because all partitions were not replaced, index statistics are gathered for the replaced partitions. LOADPLUS does not use the statistics to update the BMCSTATS tables or the DB2 catalog.

User response: No action is required.

**BMC51482E**  
**DEFINE NO DATASET ‘dataSetName’ WAS NOT MATERIALIZED AND IS NEEDED FOR THE LOAD**

*Explanation:* The indicated data set was created with DEFINE NO, but LOADPLUS was unable to materialize it. Because the load job requires this data set, LOADPLUS terminated. Message BMC51491E follows this message.

User response: Consider one of the following responses:
- Change the LOAD command so that the data set is no longer required and resubmit the job.

- Materialize the data set manually and restart the job. One method for materializing the data set manually is to perform an INSERT and, optionally, a ROLLBACK.

**BMC51483S**  FOR TABLESPACE 'databaseName.tableSpaceName', PRELOAD COUNT m DOES NOT MATCH LOAD COUNT n, PARTITION = partitionNumber

*Explanation:* The number of rows that LOADPLUS wrote to the SORTOUT file during the PRELOAD phase does not match the number of rows that LOADPLUS loaded into the indicated table space partition during the LOAD phase. (If partitionNumber is zero, the table space is nonpartitioned.)

*User response:* Verify that the SORTOUT file that LOADPLUS created during preload processing is the same file that LOADPLUS used for load processing. If the same file was used, contact BMC Customer Support.

**BMC51484S**  FOR INDEX 'indexCreator.indexName', PRELOAD COUNT m DOES NOT MATCH LOAD COUNT n, PARTITION = partitionNumber

*Explanation:* The number of keys that LOADPLUS wrote to the SYSUT1 file during the PRELOAD phase does not match the number of keys that LOADPLUS loaded into the indicated index partition during the LOAD phase. (If partitionNumber is zero, the table space is nonpartitioned.)

*User response:* Verify that the SYSUT1 file that LOADPLUS created during preload processing is the same file that LOADPLUS used for load processing. If LOADPLUS used the same file, contact BMC Customer Support.

**BMC51485S**  FOR TABLE 'tableCreator tableName', PRELOAD COUNT m DOES NOT MATCH LOAD COUNT n

*Explanation:* The number of rows that LOADPLUS wrote to the SORTOUT file during the PRELOAD phase does not match the number of rows that LOADPLUS loaded into the indicated table during the LOAD phase.

*User response:* Verify that the SORTOUT file that LOADPLUS created during preload processing is the same file that LOADPLUS used for load processing. If LOADPLUS used the same file, contact BMC Customer Support.

**BMC51486I**  LOADING OF DATASET 'dataSetName' WILL REQUIRE n PAGES

*Explanation:* During PRELOAD processing, LOADPLUS determined that loading the indicated data set requires n pages.

*User response:* No action is required. However, you can use this information to reallocate your DB2 data sets before loading.
**BMC51487E**  
**LOADING OF DATASET 'dataSetName' WILL EXCEED THE MAXIMUM SIZE OF n PAGES**

*Explanation:* Based on the primary and secondary quantities for this data set, the number of extents allowed, or DB2 restrictions, LOADPLUS determined that it is not possible for n pages to fit in this data set.

*User response:* For nonpartitioned objects only, you can restart the job if you increase the primary and secondary quantities of the data set. For any type of object, you can reduce the number of rows loaded, reduce the PCTFREE value, increase the FREEPAGE value, or increase the PIECESIZE value. However, this change requires that you resubmit the job with the NEW execution parameter.

**BMC51488I**  
**LOADING OF DATASET 'dataSetName' MAY REQUIRE n PAGES**

*Explanation:* During PRELOAD processing, LOADPLUS determined that loading the indicated data set might require n pages. LOADPLUS issues this message instead of BMC51486I for nonunique indexes. If no duplicates exist, n pages is exact. Otherwise, n can be significantly higher than the actual number of pages required.

*User response:* No action is required. However, you can use this information to reallocate your DB2 data sets before loading.

**BMC51489I**  
**LOADING OF DATASET 'dataSetName' MAY EXCEED THE MAXIMUM SIZE OF n PAGES**

*Explanation:* LOADPLUS determined that more pages might be required to load the data than is possible for the indicated data set. LOADPLUS issues this message instead of BMC51487E for nonunique indexes. If no duplicates exist, the loading of the data set will exceed the maximum size. Otherwise, the loading of the data set might or might not exceed the maximum size.

*User response:* Reduce the number of rows loaded, reduce the PCTFREE value, increase the FREEPAGE value, or increase the PIECESIZE value, and resubmit the job. If the loading of the data set fails due to insufficient space in the data set, increase the PRIQTY/SECQTY values, reduce the PCTFREE value, increase the FREEPAGE value, or increase the PIECESIZE value and restart the utility.

**BMC51490I**  
**LOADING OF DATASET 'dataSetName' WILL REQUIRE n PAGES (APPROX.)**

*Explanation:* During preload processing, LOADPLUS determined that loading the indicated data set will require approximately n pages.

*User response:* No action is required. However, if you specified PRELOAD PAUSE, you can use this information to reallocate your DB2 data sets before restarting the job at the LOAD phase.

**BMC51491I**  
**MATERIALIZATION OF MISSING 'DEFINE NO' DATASETS FOR TABLE tableCreator.tableName status**

*Explanation:* For the indicated table, LOADPLUS attempted to materialize the data sets that are defined with DEFINE NO by performing a DB2 INSERT and ROLLBACK on the table. The variable *status* can have one of the following values:
IS BEGINNING

WAS SUCCESSFUL

User response:  No action is required.

**BMC51491E**  
**MATERIALIZATION OF MISSING 'DEFINE NO' DATASETS FOR TABLE**  
*tableCreator.tableName WAS UNSUCCESSFUL*

**Explanation:**  For the indicated table, LOADPLUS attempted to materialize the data sets that are defined with DEFINE NO by performing a DB2 INSERT and ROLLBACK on the table.

**User response:**  The load job terminated and LOADPLUS provides you with additional information about the reason that it could not materialize the data set. If the table has a check constraint that LOADPLUS could not resolve or a VALIDPROC, you must materialize the data set manually, and then restart the load job. One method for materializing the data set manually is to perform an INSERT and, optionally, ROLLBACK.

**BMC51492W**  
**LOADPLUS WAS UNABLE TO RESOLVE ALL VALUES FOR TABLE**  
*tableCreator.tableName (CHECK CONSTRAINT | VALIDPROC) 'name'.  
INSERT/ROLLBACK TO MATERIALIZE 'DEFINE NO' DATASETS MAY FAIL*

**Explanation:**  Data sets for the indicated table are defined with DEFINE NO, and you have a check constraint or VALIDPROC on the table.

If you have a check constraint on the table, LOADPLUS attempted to build a row that satisfies the check constraint (attempted to resolve the values that are associated with the constraint), but could not resolve all of the values. In this case, LOADPLUS might not be able to materialize the data sets.

If you have a VALIDPROC on the table, LOADPLUS might not be able to materialize the data sets.

**User response:**  If message BMC51491I with a status of WAS SUCCESSFUL follows this message, no action is required. If message BMC51491E with a status of WAS UNSUCCESSFUL follows this message, materialize the data sets manually by performing an INSERT on the table, and then restart the load job.

**BMC51493W**  
**uniqueType INDEX 'indexCreator.indexName' WAS SKIPPED AND HAS BEEN PLACED IN REBUILD PENDING STATUS**

**Explanation:**  You specified SKIPIX SIX or SKIPIX NUSIX on the LOAD command for a table that has an associated nonpartitioned index. Because LOADPLUS did not build or update the nonpartitioned index, LOADPLUS placed the index in a REBUILD pending status (RBDP, RBDP*, or PSRBD). LOADPLUS completes with return code 4.
This message also indicates whether the index is unique or nonunique.

**User response:** After the load job completes, you must rebuild the indicated index.

**BMC51494I**

**uniqueType INDEX 'indexCreator.indexName' WAS SKIPPED BUT HAS BEEN LEFT IN ITS ORIGINAL STATUS DUE TO 0 ROWS LOADED**

**Explanation:** On a LOAD RESUME YES load job, you specified SKIPIX SIX or SKIPIX NUSIX on the LOAD command for a table that has an associated nonpartitioned index, but no rows were loaded in the table. LOADPLUS did not build or update the nonpartitioned index, but left the index in its original status.

This message also indicates whether the index is unique or nonunique.

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

**BMC51495I**

**phase OPTIMIZATION, RC = returnCode, #SORTS = n, #READERS = r, INDEX TASKS = I, TIME = time**

**Explanation:** LOADPLUS is in the process of determining the optimal number of sort, reader, and index tasks for a two-phase load job. Each iteration of the optimizer produces a message. This message displays the following information:

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>phase</strong></td>
<td>LOADPLUS processing phase in which the optimization is occurring</td>
</tr>
<tr>
<td><strong>returnCode</strong></td>
<td>Return code for the particular iteration</td>
</tr>
<tr>
<td><strong>n</strong></td>
<td>Number of sort processes being tested for this iteration of the optimizer</td>
</tr>
<tr>
<td><strong>r</strong></td>
<td>Number of input data sets (SYSREC data sets) that LOADPLUS will read concurrently</td>
</tr>
<tr>
<td><strong>I</strong></td>
<td>Number of index tasks that the load job will perform concurrently</td>
</tr>
<tr>
<td><strong>time</strong></td>
<td>Relative amount of time that the load job will take, based on the ability to process data concurrently. Note that time is a relative number, not a measure of any unit of time.</td>
</tr>
</tbody>
</table>

At least one return code in the series of messages should be 0. The following table describes the possible return codes:
<table>
<thead>
<tr>
<th>Return code</th>
<th>Tasks affected</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>any</td>
<td>Valid solution found</td>
</tr>
<tr>
<td>1</td>
<td>sort</td>
<td>Need more than 2 GB of storage above the line</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Insufficient storage above the line</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Need more than 16 MB of storage below the line</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Insufficient storage below the line</td>
</tr>
<tr>
<td>6</td>
<td>read</td>
<td>Insufficient memory for the specified number of XBLKS</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>Insufficient storage above the line</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>Insufficient storage below the line</td>
</tr>
<tr>
<td>10</td>
<td>index</td>
<td>Insufficient memory for the specified number of XBLKS</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>Insufficient storage above the line</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Insufficient storage below the line</td>
</tr>
<tr>
<td>14</td>
<td>any</td>
<td>Not the optimal time (must be preceded by return code 0)</td>
</tr>
<tr>
<td>15</td>
<td>sort</td>
<td>Sort work data sets not optimized</td>
</tr>
<tr>
<td>16</td>
<td>index</td>
<td>Sort work data sets not optimized</td>
</tr>
<tr>
<td>21-23</td>
<td>any</td>
<td>Insufficient available memory for sorting</td>
</tr>
<tr>
<td>94</td>
<td></td>
<td>Insufficient storage below the line for one sort task</td>
</tr>
<tr>
<td>95</td>
<td></td>
<td>Insufficient storage above the line for one sort task</td>
</tr>
<tr>
<td>96</td>
<td></td>
<td>Insufficient total storage for one sort task</td>
</tr>
<tr>
<td>99</td>
<td></td>
<td>Insufficient memory for the number of SYSUT1 files</td>
</tr>
<tr>
<td>100</td>
<td>not applicable</td>
<td>No available memory after subtracting global overhead</td>
</tr>
</tbody>
</table>

If at least one return code in the series is 0, BMC51496I follows this message. BMC51496I indicates the results of the optimization process.

If no return code is 0, BMC51497E follows this message.
For more information about how the optimizer determines the optimal number of sort processes, see Chapter 6 of the *LOADPLUS for DB2 Reference Manual*.

*User response:* No action is required for this message, but see the user response for any message that follows.

**BMC51496I**

*phase ANALYZE, #SORTS = n, #READERS = r, INDEX TASKS = l*

*Explanation:* For a two-phase load job, during the *phase* processing phase, LOADPLUS determined that *n* is the optimal number of sort processes for this job. The variable *r* indicates the number of input data sets (SYSREC data sets) that LOADPLUS will read concurrently (the total number of SYSREC data sets read can be greater than *r*). The variable *l* indicates the number of index tasks that LOADPLUS will perform concurrently.

LOADPLUS issues this message following BMC51495I. For more information about how the optimizer determines the optimal number of sort processes, see Chapter 6 of the *LOADPLUS for DB2 Reference Manual*.

*User response:* No action is required. However, if you specified PRELOAD ANALYZE, you can use this information to reallocate your SORTOUT and SYSREC data sets before restarting your job.

**BMC51497E**

*phase OPTIMIZATION FAILED. LOAD TERMINATED*

*Explanation:* This message indicates that an error occurred during optimization in the indicated phase. The cause of this error is insufficient memory.

*User response:* Increase the region parameter, specify REGION=0M, or use the information from previous messages to make other adjustments. Resubmit the job. If this fails to correct the problem, contact BMC Customer Support.

**BMC51498I**

*phase OPTIMIZATION, RC = returnCode, #LOAD TASKS = n, #COPY TASKS = r, #INDEX TASKS = l*

*Explanation:* LOADPLUS is in the process of determining the optimal number of load, copy, and index processes for a two-phase load job. Each iteration of the optimizer produces a message. This message displays the following information:

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>phase</em></td>
<td>LOADPLUS processing phase in which the optimization is occurring</td>
</tr>
<tr>
<td><em>returnCode</em></td>
<td>Return code for the particular iteration</td>
</tr>
<tr>
<td><em>n</em></td>
<td>Number of load processes being tested for this iteration of the optimizer</td>
</tr>
<tr>
<td><em>r</em></td>
<td>Number of copy tasks that the load job will perform concurrently</td>
</tr>
</tbody>
</table>
Number of index tasks that the load job will perform concurrently

At least one return code in the series of messages should be 0. The following table describes the possible return codes.

If no return code is 0, BMC51497E follows this message.

<table>
<thead>
<tr>
<th>Return code</th>
<th>Tasks affected</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>any</td>
<td>Valid solution</td>
</tr>
<tr>
<td>1</td>
<td>load</td>
<td>Insufficient total storage</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Insufficient storage above the line</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Insufficient storage below the line</td>
</tr>
<tr>
<td>4</td>
<td>copy</td>
<td>Insufficient total storage</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Insufficient storage above the line</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>Insufficient storage below the line</td>
</tr>
<tr>
<td>7</td>
<td>index</td>
<td>Insufficient total storage</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>Insufficient storage above the line</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Insufficient storage below the line</td>
</tr>
<tr>
<td>20-22</td>
<td>any</td>
<td>Insufficient available memory for sorting</td>
</tr>
<tr>
<td>96</td>
<td></td>
<td>Insufficient storage for global overheads</td>
</tr>
<tr>
<td>97</td>
<td></td>
<td>Insufficient storage for index tasks</td>
</tr>
<tr>
<td>98</td>
<td></td>
<td>Insufficient storage for copy tasks</td>
</tr>
<tr>
<td>99</td>
<td></td>
<td>Insufficient storage for load tasks</td>
</tr>
</tbody>
</table>

User response:  No action is required.

BMC51499I phase OPTIMIZATION, RC=returnCode, #SORTS=n, #READERS=r, INDEX TASKS=l, PROBE TASKS=p, #LOB TASKS=l, #XML TASKS=x, TIME=time

Explanation:  LOADPLUS is in the process of determining the optimal number of tasks for a single-phase load job. Each iteration of the optimizer produces a message. The message displays the following information:
<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>phase</td>
<td>LOADPLUS processing phase in which the optimization is occurring</td>
</tr>
<tr>
<td>returnCode</td>
<td>Return code for the particular iteration</td>
</tr>
<tr>
<td>n</td>
<td>Number of sort/data tasks being tested for this iteration of the optimizer</td>
</tr>
<tr>
<td>r</td>
<td>Number of input data sets (SYSREC data sets) that LOADPLUS will read concurrently</td>
</tr>
<tr>
<td>l</td>
<td>Number of index tasks that the load job will perform concurrently</td>
</tr>
<tr>
<td>p</td>
<td>Number of probe tasks that the load job will perform concurrently</td>
</tr>
<tr>
<td>l</td>
<td>Number of LOB tasks that the load job will perform concurrently</td>
</tr>
<tr>
<td>x</td>
<td>Number of XML tasks that the load job will perform concurrently</td>
</tr>
<tr>
<td>time</td>
<td>Relative amount of time that the load job will take, based on the ability to process data concurrently. Note that time is a relative number, not a measure of any unit of time.</td>
</tr>
</tbody>
</table>

At least one return code in the series of messages should be 0. The following table describes the possible return codes:

<table>
<thead>
<tr>
<th>Return code</th>
<th>Tasks affected</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>any</td>
<td>Valid solution</td>
</tr>
<tr>
<td>1</td>
<td>sort</td>
<td>Insufficient storage for one sort</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Insufficient storage above the line</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Insufficient storage below the line</td>
</tr>
<tr>
<td>4</td>
<td>LOB</td>
<td>Insufficient storage above the line</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Insufficient storage below the line</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>Insufficient storage above the bar</td>
</tr>
<tr>
<td>7</td>
<td>XML</td>
<td>Insufficient storage above the line</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>Insufficient storage below the line</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Insufficient storage above the bar</td>
</tr>
<tr>
<td>Return code</td>
<td>Tasks affected</td>
<td>Meaning</td>
</tr>
<tr>
<td>-------------</td>
<td>----------------</td>
<td>---------</td>
</tr>
<tr>
<td>10</td>
<td>read</td>
<td>Insufficient storage above the bar for LOB and XML XBLKs</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>Insufficient storage above the line</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Insufficient storage below the line</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>Insufficient storage above the bar</td>
</tr>
<tr>
<td>14</td>
<td>index</td>
<td>Insufficient memory for the specified number of XBLKs</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>Insufficient storage above the line</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Insufficient storage below the line</td>
</tr>
<tr>
<td>17</td>
<td>probe</td>
<td>Insufficient memory for the specified number of XBLKs</td>
</tr>
<tr>
<td>18</td>
<td></td>
<td>Insufficient storage above the line</td>
</tr>
<tr>
<td>19</td>
<td></td>
<td>Insufficient storage below the line</td>
</tr>
<tr>
<td>20</td>
<td>any</td>
<td>Not optimal time (must be preceded by return code 0)</td>
</tr>
<tr>
<td>21</td>
<td>sort</td>
<td>Cannot optimize sort work data sets</td>
</tr>
<tr>
<td>22</td>
<td>index</td>
<td>Cannot optimally balance index workload</td>
</tr>
<tr>
<td>23</td>
<td>probe</td>
<td>Cannot optimally balance probe workload</td>
</tr>
<tr>
<td>24</td>
<td>LOB</td>
<td>Cannot optimally balance LOB workload</td>
</tr>
<tr>
<td>25</td>
<td>XML</td>
<td>Cannot optimally balance XML workload</td>
</tr>
<tr>
<td>26-31</td>
<td>any</td>
<td>Insufficient available memory for sorting</td>
</tr>
<tr>
<td>100</td>
<td>not applicable</td>
<td>No available memory after subtracting global overhead</td>
</tr>
</tbody>
</table>

If at least one return code in the series is 0, BMC51500I follows this message. BMC51500I indicates the results of the optimization process.

If no return code is 0, BMC51497E follows this message.
For more information about how the optimizer determines the optimal number of sort processes, see Chapter 6 of the *LOADPLUS for DB2 Reference Manual*.

**User response:** No action is required for this message, but see the user response for any message that follows.

### Messages BMC51500 through BMC51599

For the *LOADPLUS for DB2* product, this topic explains each message in the designated range.

**BMC51500I**  
*phase ANALYZE, #SORTS=n, #READERS=r, INDEX TASKS=I, PROBE TASKS=p, #LOB TASKS=l, #XML TASKS=x*

**Explanation:** LOADPLUS has determined the optimal number of tasks. The message displays the following information:

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>phase</em></td>
<td>LOADPLUS processing phase in which the optimization occurred</td>
</tr>
<tr>
<td>n</td>
<td>Optimal number of sort processes for this job</td>
</tr>
<tr>
<td>r</td>
<td>Number of input data sets (SYSREC data sets) that LOADPLUS will read concurrently. The total number of data sets read can be greater than r.</td>
</tr>
<tr>
<td>I</td>
<td>Number of index tasks that the load job will perform concurrently</td>
</tr>
<tr>
<td>p</td>
<td>Number of probe tasks that the load job will perform concurrently</td>
</tr>
<tr>
<td>l</td>
<td>Number of LOB tasks that the load job will perform concurrently</td>
</tr>
<tr>
<td>x</td>
<td>Number of XML tasks that the load job will perform concurrently</td>
</tr>
</tbody>
</table>

LOADPLUS issues this message following BMC51499I. For more information about how the optimizer determines the optimal number of sort processes, see Chapter 6 of the *LOADPLUS for DB2 Reference Manual*.

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

**BMC51501E**  
*error, COLUMN = 'columnName', RECORD NO. recordNumber OF ddname, DATA = 'data'*

**Explanation:** An error occurred during data conversion, where *error* describes the type of error that occurred. If the error results in the record being discarded, there is a corresponding line in the error summary report (which starts with message BMC51521I) that provides more detailed information. If you receive
this message when loading CSV data, the data value that is displayed also contains the length of the field in the first four hexadecimal numbers.

User response: Correct the data and resubmit the job.

BMC51502E  
FIELD 'fieldName' EXTENDS BEYOND END-OF-RECORD, START POSITION = start, END POSITION = end, RECORD NO. recordNumber OF ddbname, LENGTH = length

Explanation: For fields with a fixed displacement, a fixed length, and from a fixed length SYSREC data set, this is a fatal error and the load job terminates. For variable fields, the error is not fatal. LOADPLUS discards the row in error and continues processing.

User response: Correct the field name or the data and resubmit the job.

BMC51503E  
DUPLICATE KEY FOUND FOR DATA SORTING INDEX 'indexCreator.indexName', RECORD NO. = recordNumber OF ddbname

Explanation: LOADPLUS found a duplicate key for the indicated data-sorting index. For more information, see message BMC51504E.

User response: Correct the index and resubmit the job.

BMC51504E  
KEY VALUE = 'EBCDIC value'

Explanation: This message accompanies message BMC51503E and describes the key value by column. For columns with FIELDPROCS, the value displayed remains encoded.

User response: Correct the problem that message BMC51503E refers to.

BMC51505E  
DUPLICATE KEY FOUND FOR INDEX 'indexCreator.indexName', RECORD NO. = recordNumber OF ddbname

Explanation: LOADPLUS found a duplicate key for the indicated index. For more information, see message BMC51506E.

User response: Correct the information and resubmit the job.

BMC51506E  
KEY VALUE = 'EBCDIC value', RID-1 = X'recordID1', RID-2 = X'recordID2'

Explanation: This message accompanies message BMC51505E and describes the key value by column. RID-1 and RID-2 are the record IDs for the two key entries that conflict.

User response: Correct the problem that message BMC51505E refers to.

BMC51507I  
transferType = b, XFERS = t, EMPTY WAITS = w, FULL WAITS = f

Explanation: This message provides statistics that LOADPLUS gathered during one of two different tasks, as follows.

XBLKS version:

This version of the message provides statistics that LOADPLUS gathered during index work record creation:
For more information, see Chapter 6 of the LOADPLUS for DB2 Reference Manual.

**APBUFS version:**

This version of the message provides statistics that LOADPLUS gathered while transferring records to the High-speed Apply Engine for an SQLAPPLY load (LOAD RESUME YES SHRLEVEL CHANGE SQLAPPLY):

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>Number of High-speed Apply buffers used</td>
</tr>
<tr>
<td>t</td>
<td>Number of buffer transfers</td>
</tr>
<tr>
<td>w</td>
<td>Number of empty buffer wait counts</td>
</tr>
<tr>
<td>f</td>
<td>Always 0 for this version of the message</td>
</tr>
</tbody>
</table>

**User response:** No action is required. However, you can use the information from the XBLKS version of this message to help improve LOADPLUS performance.

**BMC51508I**  
MAX `taskType` TASKS = `t`, objectType PER TASK = `l`, SORTWKS PER TASK = `s`, MAX OPEN PARTITIONS PER TASK = `o`

**Explanation:** This message describes the following information that LOADPLUS has determined that it will use to perform processing for the indicated task type:

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>t</td>
<td>Maximum number of concurrent data or index tasks that LOADPLUS can multitask. The number of tasks does not include other processes that always use a single task.</td>
</tr>
<tr>
<td>l</td>
<td>Maximum number of indexes or partitions that LOADPLUS can process per task based on the available resources. The actual number of partitions that LOADPLUS processes per task might be less than the number shown in this message.</td>
</tr>
<tr>
<td>s</td>
<td>Number of sort work files that are assigned to each task</td>
</tr>
</tbody>
</table>
When performing a two-phase load, LOADPLUS issues this message once for the index tasks and once for the data tasks.

*User response:* No action is required. However, you can use this information to help improve performance. For more information, see Chapter 6 of the *LOADPLUS for DB2 Reference Manual.*

**BMC51509E**  
SQL -803 ENCOUNTERED FOR INDEX 'indexCreator.indexName', RECORD NO. recordNumber OF SYSREC ddname IS A DUPLICATE OF RID = recordID

*Explaination:* When running LOAD RESUME YES SHRLEVEL CHANGE SQLAPPLY, High-speed Apply received an SQL -803 error from DB2, which indicates a duplicate record.

*User response:* Check your discard file. Your response to this error depends on your requirements.

**BMC51510I**  
taskNumber: taskType TASK, {XBLK | APBUF} XFERS = t, EMPTY WAITS = w, FULL WAITS = f

*Explaination:* LOADPLUS gathered the following performance statistics during processing.

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>taskType</td>
<td>Either READ, SORT, LOB, XML, PROBE, INDEX, SQLAPPLY, or DISCARD</td>
</tr>
<tr>
<td>t</td>
<td>Number of data transfers during task processing</td>
</tr>
<tr>
<td>w</td>
<td>Number of waits for an empty XBLK or High-speed Apply buffer</td>
</tr>
<tr>
<td>f</td>
<td>Number of waits for a full XBLK, or 0 if this message applies to High-speed Apply buffers</td>
</tr>
</tbody>
</table>

*User response:* No action is required. However, you can use this information to help improve performance. For more information, see Chapter 6 of the *LOADPLUS for DB2 Reference Manual.*

**BMC51511E**  
SQL -530 ENCOUNTERED FOR FOREIGN KEY 'constraintName', RECORD NO. recordNumber OF SYSREC ddname

*Explaination:* When running LOAD RESUME YES SHRLEVEL CHANGE SQLAPPLY, High-speed Apply received an SQL -530 error from DB2, which indicates a referential integrity violation.

*User response:* Correct the information and resubmit the job.
BMC51512E  WHEN SPECIFICATION (start:end) FOR TABLE 'tableCreator.tableName' EXTENDS BEYOND END-OF-RECORD, RECORD NO. recordNumber OF ddname, LENGTH = length

Explanation:  The indicated (start:end) specification was not entirely contained in the input record.

User response:  Correct the (start:end) specification and resubmit the job.

BMC51513E  NULLIF/DEFAULTIF SPECIFICATION (start:end) FOR FIELD 'fieldName' EXTENDS BEYOND END-OF-RECORD, RECORD NO. recordNumber OF ddname, LENGTH = length

Explanation:  The indicated (start:end) specification was not entirely contained in the input record.

User response:  Correct the (start:end) specification and resubmit the job.

BMC51514E  CHECK CONSTRAINT VIOLATION. TABLE = 'tableCreator.tableName', CONSTRAINT 'constraintName', RECORD NO. recordNumber OF ddname

Explanation:  Record recordNumber from input from ddname violated the indicated check constraint on the indicated table.

User response:  Correct the information and resubmit the job.

BMC51515E  RANGE VIOLATION FOR IDENTITY COLUMN 'columnName' OF 'tableCreator.tableName', RECORD NO. recordNumber OF ddname

Explanation:  While loading identity column values, LOADPLUS determined that it would have to generate values that are outside the range that is defined on the identity column. The value for the IDERROR command or installation option is DISCARD, so LOADPLUS discarded the indicated record.

User response:  Correct your data and resubmit the job.

BMC51516E  RANGE EXCEEDED FOR IDENTITY COLUMN 'columnName' OF TABLE 'tableCreator.tableName'

Explanation:  While generating identity column values, LOADPLUS determined that it would have to generate a value that is outside the range that is defined on the specified identity column. The value for the IDERROR command or installation option is FAIL, so LOADPLUS terminated processing with return code 8.

User response:  Correct your data or your identity column definition and resubmit the job.

BMC51517I  NO RECORDS WILL BE WRITTEN TO THE SYSDISC FILE BECAUSE AT LEAST ONE OF THE INPUT FILES IS A BATCHPIPE

Explanation:  This message displays when your input file is a batch pipe and either your JCL includes a SYSDISC DD statement or you are dynamically allocating a discard file.

User response:  No action is required.
**BMC51518E**  SQL -330 TRANSLATION ERROR. REASON CODE `reasonCode` TABLE = 'creatorName$tableName', COLUMN = 'columnName', RECORD recordNumber OF SYSREC ddname.

*Explanation:* When running LOAD RESUME YES SHRLEVEL CHANGE SQLAPPLY, High-speed Apply received an SQL -330 error from DB2, which indicates a data translation error. LOADPLUS obtains the details displayed in this error message from information that DB2 supplies.

*User response:* Review the information for this reason code in the IBM DB2 messages and codes documentation and take the appropriate action for your data. Resubmit the job.

**BMC51519E**  A PARTIAL SQLAPPLY LOAD IS NOT ALLOWED BECAUSE A GENERATED IDENTITY COLUMN DETERMINES PARTITION NUMBER

*Explanation:* You attempted to run an SQLAPPLY load job for which the identity column is part of the limit key of a partition and for which identity column values are being generated. Under these circumstances, LOADPLUS cannot determine which partition to load.

*User response:* Change your LOAD command and resubmit the job.

**BMC51520E**  MIXED DATA IS NOT SUPPORTED FOR SQLAPPLY LOAD WHEN INPUT IS ASCII

*Explanation:* You attempted to load ASCII input data into a column that is defined as MIXED, and you specified or defaulted to LOAD RESUME YES SHRLEVEL CHANGE SQLAPPLY. LOADPLUS does not support this type of load.

*User response:* Change your LOAD command or column definition and resubmit the job.

**BMC51521I**  LOADPLUS ERROR SUMMARY REPORT FOR `{TABLE tableCreator$tableName | DISCARDS NOT SPECIFIC TO A TABLE}`

*Explanation:* Messages BMC51521I through BMC51523I make up the heading for the report that contains the discarded record information for the indicated table. The discarded record information is reported in message BMC51524E. The second version of this message is displayed when LOADPLUS encounters discards that are not specific to a table.

*User response:* No action is required.

**BMC51522I**  INPUT DISCARD DISCARD RELATED

*Explanation:* Messages BMC51521I through BMC51523I make up the heading for the report that contains the discarded record information for the indicated table. The discarded record information is reported in message BMC51524E.

*User response:* No action is required.
**BMC51523I**

**ID: RECORD # RECORD # TYPE ID: RECORD # FIELD, INDEX, OR CONSTRAINT NAME**

*Explanation:* Messages BMC51521I through BMC51523I make up the heading for the report that contains the discarded record information for the indicated table. The discarded record information is reported in message BMC51524E.

*User response:* No action is required.

**BMC51524E**

**discardInformation**

*Explanation:* This report describes the following discard violation information:

- **INPUT ID:** shows the sequence number of the input file DD statement in the JCL.
- **INPUT RECORD #** shows the physical record number of the discarded record in the input file.
- **DISCARD RECORD #** shows the physical record number of the discarded record in the discard file.
- **DISCARD TYPE** indicates why LOADPLUS discarded the record:

<table>
<thead>
<tr>
<th>Reason</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONVERSION</td>
<td>A conversion error occurred while LOADPLUS was processing the record. The FIELD NAME identifies the input field that was being converted when LOADPLUS detected an error. If you specified MSGLEVEL(1), see also message BMC51505E.</td>
</tr>
<tr>
<td>CHECK CONSTRAINT</td>
<td>A check constraint exists on this table and it would have been violated by this input record. The check constraint name is given.</td>
</tr>
<tr>
<td>DUPLICATE KEY</td>
<td>The DB2 row that was created from the input record contains a duplicate key. If this is the first occurrence of a series of duplicate keys, the number in the RELATED DISCARD column matches the number of this record’s physical record. Check the RELATED DISCARD to identify the conflicting input record. If you specified MSGLEVEL(1), see also messages BMC51503E through BMC51506E.</td>
</tr>
<tr>
<td>DUPLICATE KEY (RID)</td>
<td>On a LOAD RESUME YES, a new row contains a key that conflicts with an existing key.</td>
</tr>
<tr>
<td>Reason</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| FIELD SPECIFICATION    | LOADPLUS cannot process the field for one of the following reasons:  
|                         | — The field is not entirely contained in the input record.  
|                         | — Input for a LOB or XML column is a file that is referenced in the input file and LOADPLUS encountered an error with that referenced file. For more information in this case, see message BMC51556.  
|                         | The FIELD NAME identifies the input field being processed when LOADPLUS detected an error. If you specified MSGLEVEL(1), see also message BMC51502E.                                                                                                                                                                                                                                                          |
| FILE REFERENCE ERR      | LOADPLUS cannot locate the HFS file that is referenced in the input file.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| FILEREF NOT PDS         | The data set name that is referenced in the input file does not reference a PDS or PDSE data set.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| FILEREF VERIFY ERROR    | The data set name that is referenced in the input file failed file verification processing.                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| FOREIGN KEY             | LOADPLUS discarded the DB2 row that was created from the input record because the primary index on the parent table of the table that you are loading does not contain a key that matches the foreign key associated with the row.  
<p>|                         | This type of discard does not apply to a LOAD RESUME YES SHRLEVEL CHANGE SQLAPPLY load. Foreign key violations for this type of load are reported as DISCARD TYPE SQL-530.                                                                                                                                                                                                                                                   |
| IDC RANGE VIOLATION     | LOADPLUS discarded the row because the value that LOADPLUS generated for the specified identity column is outside the range that is defined on the column. This type of discard occurs only when you specify IDERROR DISCARD.                                                                                                                                                                                                                                                                                        |
| PARTITION               | LOADPLUS discarded the DB2 row that was created from the input record because the partition to which it belongs is not being loaded (that is, the partition is not specified on INTO TABLE PART).                                                                                                                                                                                                                                                                                                           |</p>
<table>
<thead>
<tr>
<th>Reason</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SQL -330</td>
<td>The DB2 row was not inserted because insert processing on the row received an SQL -330 error, indicating a translation error. This type of discard occurs only with a LOAD RESUME YES SHRLEVEL CHANGE SQLAPPLY load.</td>
</tr>
<tr>
<td>SQL -530</td>
<td>The DB2 row was not inserted because insert processing on the row received an SQL -530 error, indicating an invalid foreign key. This type of discard occurs only with a LOAD RESUME YES SHRLEVEL CHANGE SQLAPPLY load. Foreign key violations for other types of load jobs are reported as DISCARD TYPE FOREIGN KEY.</td>
</tr>
<tr>
<td>SQL -803</td>
<td>The DB2 row was not inserted because insert processing on the row received an SQL -803 error, indicating a duplicate. This type of discard occurs only with a LOAD RESUME YES SHRLEVEL CHANGE SQLAPPLY load.</td>
</tr>
<tr>
<td>TRANSLATION</td>
<td>LOADPLUS discarded the row because one of the following situations occurred:</td>
</tr>
<tr>
<td></td>
<td>- A translation caused a column to expand to a length longer than the column definition allowed.</td>
</tr>
<tr>
<td></td>
<td>- LOADPLUS encountered an error byte during data translation.</td>
</tr>
<tr>
<td></td>
<td>- LOADPLUS encountered a substitution character during data translation, but you specified NOSUBS.</td>
</tr>
<tr>
<td>UNKNOWN SUB-TYPE</td>
<td>LOADPLUS encountered an internal error.</td>
</tr>
<tr>
<td>VALIDPROC</td>
<td>The table's VALIDPROC routine did not accept the DB2 row that was created from the input record.</td>
</tr>
<tr>
<td>WHEN</td>
<td>No INTO TABLE option selected the record based on selection criteria; or you specified FORMAT UNLOAD, FORMAT BMC, or FORMAT BMCUNLOAD and LOADPLUS discarded the record due to a table OBID mismatch or a column definition mismatch.</td>
</tr>
<tr>
<td>XML GET KEY ERROR</td>
<td>LOADPLUS encountered an error when attempting to extract a user key from an XML document.</td>
</tr>
<tr>
<td>Reason</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>XML GETREGION ERROR</td>
<td>LOADPLUS encountered an error when attempting to retrieve the next XML region from the BMC XML parser.</td>
</tr>
<tr>
<td>XML PARSE ERROR</td>
<td>LOADPLUS encountered an error when attempting to parse the XML document.</td>
</tr>
<tr>
<td>XML UNIQUE KEY ERROR</td>
<td>This reason is not currently used.</td>
</tr>
</tbody>
</table>

- RELATED ID: shows, for a DUPLICATE KEY or DUPLICATE KEY (RID) error, the sequence number of the DD statement in the JCL for the related record’s input file. For all other discard types, this number is 0.

- RELATED RECORD #, for a DUPLICATE KEY error, indicates the physical record number of the record that is in conflict with this record. If this is the first occurrence of a series of duplicate keys, the number in the RELATED RECORD column matches the number of this record’s physical record.

  For a CONVERSION error, RELATED RECORD # indicates one of the following values:

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The numeric input value is invalid.</td>
</tr>
<tr>
<td>2</td>
<td>The numeric value is out of range for the column.</td>
</tr>
<tr>
<td>3</td>
<td>The string value is too long for the column.</td>
</tr>
<tr>
<td>4</td>
<td>The date/time string is too short.</td>
</tr>
<tr>
<td>5</td>
<td>The date/time string is too long.</td>
</tr>
<tr>
<td>6</td>
<td>The date/time string is invalid.</td>
</tr>
<tr>
<td>7</td>
<td>The date/time value is out of range.</td>
</tr>
<tr>
<td>8</td>
<td>The double-byte string has an odd number of bytes or an invalid shift-in or shift-out character.</td>
</tr>
<tr>
<td>9</td>
<td>The input data is rejected by the column's FIELDPROC.</td>
</tr>
<tr>
<td>10</td>
<td>The input data is rejected by the user-written conversion routine.</td>
</tr>
</tbody>
</table>

- FIELD, INDEX, OR CONSTRAINT NAME shows the field, index, or constraint name that is associated with the error. If the index or constraint name is longer than the available space for that name, LOADPLUS truncates the name according to the LONGNAMETRUNC command option and indicates the truncated portion of the name with the appropriate set of angle brackets.

User response: No action is required.
BMC51525I  RI FAILURE FOR CONSTRAINT 'tableCreator.tableName.constraintName', RECORD NO. = recordNumber IN dname

Explanation: During referential constraint checking, LOADPLUS encountered an invalid value in a foreign key. This message provides the constraint name and the record that encountered the violation. Message BMC51526I follows this message and provides information about the key.

LOADPLUS discards the record and continues processing.

User response: No action is required.

BMC51526I  KEY VALUE = 'key', RID = X'recordID'

Explanation: During referential constraint checking, LOADPLUS encountered an invalid value in a foreign key. This message follows message BMC51525I and provides information about the foreign key.

User response: No action is required.

BMC51527E  A NON-PARTITIONED CLUSTERING INDEX CANNOT BE SKIPPED IF ORDER YES IS SPECIFIED

Explanation: ORDER YES is specified on the LOAD command, but SKIPIX SIX or SKIPIX NUSIX is directing LOADPLUS to skip a clustering index.

User response: Change your LOAD command and restart or resubmit your job. Note that you cannot restart the job if you change the value of the ORDER option.

BMC51528E  A CHECK CONSTRAINT IN TABLE tableCreator.tableName CANNOT BE ENFORCED

Explanation: The indicated table has a check constraint and you specified ENFORCE CONSTRAINTS or ENFORCE CHECK CONSTRAINTS. LOADPLUS was unable to enforce the constraint and the job terminated. This problem can occur, for example, if the check constraint contains a constant whose length is greater than 254 bytes.

User response: Change your LOAD command to specify ENFORCE RI or ENFORCE NO and resubmit your job.

BMC51530I  LOADPLUS DASD REQUIREMENT ESTIMATES

Explanation: Messages BMC51530I through BMC51532I make up the heading for the report that contains the data set size estimates resulting from the ANALYZE phase. The estimates are reported in message BMC51533E.

User response: No action is required.
**BMC51531I** 3380 CYLS 3390 CYLS

*Explanation:* Messages BMC51530I through BMC51532I make up the heading for the report that contains the data set size estimates resulting from the ANALYZE phase. The estimates are reported in message BMC51533E.

*User response:* No action is required.

**BMC51532I** DDNAME KBYTES PRI SEC PRI SEC INDEX

*Explanation:* Messages BMC51530I through BMC51532I make up the heading for the report that contains the data set size estimates resulting from the ANALYZE phase. The estimates are reported in message BMC51533E.

*User response:* No action is required.

**BMC51533I** ddname k p s p s indexCreator.indexName

*Explanation:* ANALYZE has estimated the data set sizes in cylinders (by device type), for the load (SORTOUT), work (SYSUT1), sort work (SORTWK), discard (SYSDISC), error (SYSERR), and copy data sets. LOADPLUS provides the estimated information in a table format. Messages BMC51530I through BMC51532I provide the heading information and multiple BMC51533I messages provide the estimated values. Because some types of load jobs allow you to specify single or multiple SORTOUT and SYSUT1 data sets, this message provides values for both.

LOADPLUS issues a separate BMC51533I message for each data set and this message provides the following information:

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DDNAME</td>
<td>Data set name</td>
</tr>
<tr>
<td>KBYTES</td>
<td>Number of kilobytes</td>
</tr>
<tr>
<td>3380 CYLS</td>
<td>Primary (PRI) and secondary (SEC) 3380 cylinder quantities</td>
</tr>
<tr>
<td>3390 CYLS</td>
<td>Primary (PRI) and secondary (SEC) 3390 cylinder quantities</td>
</tr>
<tr>
<td>INDEX</td>
<td>Index name, where applicable</td>
</tr>
</tbody>
</table>

If the creator or index name is longer than the available space for that name, LOADPLUS truncates the name according to the value of the LONGNAMETRUNC option and indicates the truncated portion of the name with the appropriate set of angle brackets.

*User response:* No action is required.
**BMC51535I**  
**ESTIMATED CARDINALITY OF SPACE = n ESTIMATED AVG ROW LENGTH = length**

*Explanation:* ANALYZE estimated the cardinality and average row length of the table space that you are loading. LOADPLUS uses this number when calculating the values in message BMC51533I.

*User response:* No action is required.

**BMC51536I**  
**CARDINALITY OF SPACE = n ESTIMATED AVG ROW LENGTH = length**

*Explanation:* ANALYZE calculated the exact cardinality and estimated the average row length for the table space that you are loading. LOADPLUS uses this number when calculating the values in message BMC51533I.

*User response:* No action is required.

**BMC51538E**  
**DDNAME ‘ddname’ CANNOT BE DEFINED AS DD DUMMY OR NULLFILE**

*Explanation:* In your JCL, you specified DD DUMMY or a DD specified with DSN=NULLFILE for the SYSERR data set. LOADPLUS does not support this specification and the job terminated.

*User response:* Change your JCL and restart or resubmit your job.

**BMC51539I**  
**taskNumber: SAMPLING STATISTICS:**

*Statistic* | *Description*
---|---
PART | Partition number. If the table space is not partitioned or is a partition-by-growth table space, this value is 0.
TP | Total number of pages in the data set
SP | Number of sampled pages
SR | Total number of rows on the sampled pages
AVGR | Average row length determined by this sample. For LOADPLUS, this value is always 0.
SD | Standard deviation of AVGR. For LOADPLUS, this value is always 0.
SE | Standard error of AVGR. For LOADPLUS, this value is always 0.

*Explanation:* This message displays the sampling statistics that ANALYZE used to determine the cardinality and average row size for the data that you are loading. This information might be useful to BMC Customer Support when diagnosing a problem. It does not provide information that is useful for performance tuning. LOADPLUS produces this message only if you specified MSGLEVEL(1).

The following table describes each of the statistics displayed in this message:
<table>
<thead>
<tr>
<th>Statistic</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVGF</td>
<td>Number of rows or key RIDs per page times 100, as determined by this sample</td>
</tr>
<tr>
<td>SD</td>
<td>Standard deviation of AVGF</td>
</tr>
<tr>
<td>SE</td>
<td>Standard error of AVGF</td>
</tr>
<tr>
<td>EP</td>
<td>Number of empty pages (pages having zero rows) in this sample</td>
</tr>
</tbody>
</table>

_user response:_ No action is required.

**BMC51540E** MATERIALIZED QUERY TABLE `tableCreator.tableName` IS DEFINED AS MAINTAINED BY SYSTEM. LOAD IS NOT ALLOWED.

Explanation: You attempted to load a system-maintained materialized query table, which LOADPLUS does not support. The job terminated.

_user response:_ Ensure that your LOAD command specifies a supported table type and resubmit your job.

**BMC51541E** FOR DSNUTILB, A PROBLEM WAS FOUND WITH SYSREC. problem

Explanation: You are running a DSNUTILB load and LOADPLUS found one of the following problems with your SYSREC data set or definition:

- NEITHER INDSN NOR SYSREC WAS FOUND indicates that LOADPLUS did not find a SYSREC DD statement in your JCL and you did not specify the INDSN option to dynamically allocate your SYSREC data set. You must have an input file.

- BOTH INDSN AND JCL SYSREC WERE FOUND indicates that you specified a SYSREC DD statement in your JCL and also specified the INDSN option to dynamically allocate your SYSREC data set. This combination is not valid.

- ULAIDSN@ CONTAINS ZEROES indicates an internal error.

The job terminated.

_user response:_ Correct your input file specifications and resubmit your job. If you receive the ULAIDSN@ CONTAINS ZEROES problem, contact BMC Customer Support.

**BMC51542E** TABLESPACE `database$tableSpace` IS DEFINED AS PARTITION BY GROWTH. THE USE OF THE 'PART' KEYWORD IS INVALID.

Explanation: You are loading a partition-by-growth table space but you specified the PART keyword, which is not valid for this type of table space in LOADPLUS. The job terminated.

_user response:_ Ensure that you specified the correct table space name, or remove the PART keyword from your LOAD command. Resubmit your job.
**BMC51543E**  
THE TABLESPACE BEING LOADED CONTAINS TABLES WITH XML OR LOB COLUMNS, option IS NOT ALLOWED

*Explanation:* You are loading a table space that contains a LOB or XML column and you specified an option that LOADPLUS does not support. LOADPLUS terminated.

*User response:* Change the LOAD command to specify a supported option. For information about options that are supported in this case, see the LOADPLUS for DB2 Reference Manual.

**BMC51544E**  
TO LOAD LOB OR XML FIELDS, DYNAMIC ALLOCATION MUST BE ACTIVE FOR DDTYPE LOCPXCPY OR LOCPLCPY WHEN COPY YES IS SPECIFIED

*Explanation:* You are loading LOB or XML data and specified COPY YES. However, you did not enable dynamic allocation for the primary local copy data set for the type of data that you are loading. LOADPLUS terminated.

*User response:* Change your LOAD command by either specifying ACTIVE YES for the appropriate DDTYPE or changing COPY YES to COPY NO. Resubmit your job.

**BMC51545E**  
TO LOAD LOB COLUMNS, TABLE `tableCreator.tableName` REQUIRES A UNIQUE INDEX ON THE ROWID COLUMN.

*Explanation:* You attempted to load a table that contains a LOB column, but the table space does not contain an index on the row ID column, which LOADPLUS requires in this case. LOADPLUS terminated.

*User response:* Create a unique index on the row ID column and resubmit your job.

**BMC51546E**  
*taskNumber*: XDBX  
*function* COLUMN=`columnName`  
RECORD=`recordNumber`  
FILE=`inputDDName`  
FILEREF=`fileName`  
RC=`returnCode`  
RSN=`reasonCode`

*Explanation:* The XDBX component encountered an error while performing the indicated function. The `inputDDName` references the input file (SYSREC). The `recordNumber` is the record's position in the input file. The `fileName` is the name of the file referenced in the input file if you specified BLOBF, CLOBF, or DBCLOBF on the field specification, or N/A if you are not using a referenced file.

LOADPLUS terminated.

*User response:* Contact BMC Customer Support and provide the information in this message and any accompanying BMC51547E messages.

**BMC51546W**  
*taskNumber*: XDBX  
*function* COLUMN=`columnName`  
RECORD=`recordNumber`  
FILE=`inputDDName`  
FILEREF=`fileName`  
RC=`returnCode`  
RSN=`reasonCode`

*Explanation:* The XDBX component encountered an error while performing the indicated function, but LOADPLUS continued processing. The `inputDDName`
references the input file (SYSREC). The `recordNumber` is the record’s position in the input file. The `fileName` is the name of the file referenced in the input file if you specified BLOBF, CLOBF, or DBCLOBF on the field specification, or N/A if you are not using a referenced file.

*User response:* See any other messages for additional information. If necessary, contact BMC Customer Support and provide the information in this message and any accompanying BMC51547W messages.

**BMC51547E**

*taskNumber: additionalInformation*

*Explanation:* This message provides additional information for the error reported in message BMC51546E.

*User response:* Contact BMC Customer Support and provide the information in these messages and the accompanying BMC51546E message.

**BMC51547W**

*taskNumber: additionalInformation*

*Explanation:* This message provides additional information for the warning reported in message BMC51546W.

*User response:* See any other messages for additional information. If necessary, contact BMC Customer Support and provide the information in these messages and the accompanying BMC51546W message.

**BMC51548E**

*taskNumber: XDBK function COLUMN=columnName RECORD=recordNumber FILE=inputDDName FILEREF=fileName RC=returnCode RSN=reasonCode*

*Explanation:* The XDBK component encountered an error while performing the indicated function. The `inputDDName` references the input file (SYSREC). The `recordNumber` is the record’s position in the input file. The `fileName` is the name of the file referenced in the input file if you specified BLOBF, CLOBF, or DBCLOBF on the field specification, or N/A if you are not using a referenced file.

LOADPLUS terminated.

*User response:* Contact BMC Customer Support and provide the information in this message and any accompanying BMC51549E messages.

**BMC51548W**

*taskNumber: XDBK function COLUMN=columnName RECORD=recordNumber FILE=inputDDName FILEREF=fileName RC=returnCode RSN=reasonCode*

*Explanation:* The XDBK component encountered an error while performing the indicated function, but LOADPLUS continued processing. The `inputDDName` references the input file (SYSREC). The `recordNumber` is the record’s position in the input file. The `fileName` is the name of the file referenced in the input file if
you specified BLOBF, CLOBF, or DBCLOBF on the field specification, or N/A if you are not using a referenced file.

User response: See any other messages for additional information. If necessary, contact BMC Customer Support and provide the information in this message and any accompanying BMC51549W messages.

BMC51549E  

taskNumber: additionalInformation

Explanation: This message provides additional information for the error reported in message BMC51548E.

User response: Contact BMC Customer Support and provide the information in these messages and the accompanying BMC51548E message.

BMC51549W  

taskNumber: additionalInformation

Explanation: This message provides additional information for the warning reported in message BMC51548W.

User response: See any other messages for additional information. If necessary, contact BMC Customer Support and provide the information in these messages and the accompanying BMC51548W message.

BMC51550E  

taskNumber: PLOB function COLUMN=columnName RECORD=recordNumber FILE=inputDDName FILEREF=fileName RC=returnCode RSN=reasonCode

Explanation: The PLOB component encountered an error while performing the indicated function. The inputDDName references the input file (SYSREC). The recordNumber is the record's position in the input file. The fileName is the name of the file referenced in the input file if you specified BLOBF, CLOBF, or DBCLOBF on the field specification, or N/A if you are not using a referenced file.

LOADPLUS terminated.

User response: Contact BMC Customer Support and provide the information in this message and any accompanying BMC51551E messages.

BMC51551E  

taskNumber: additionalInformation

Explanation: This message provides additional information for the error reported in message BMC51550E.

User response: Contact BMC Customer Support and provide the information in these messages and the accompanying BMC51550E message.

BMC51552E  

taskNumber: SCCSIO error COLUMN=columnName RECORD=recordNumber FILE=inputDDName FILEREF=fileName RC=returnCode RSN=reasonCode

Explanation: The SCCSIO component encountered an error. The inputDDName references the input file (SYSREC). The recordNumber is the record's position in the input file. The fileName is the name of the file referenced in the input file if
you specified BLOBF, CLOBF, or DBCLOBF on the field specification, or N/A if you are not using a referenced file.

LOADPLUS terminated.

User response: Contact BMC Customer Support and provide the information in this message and any accompanying BMC51553E messages.

BMC51552W  

**taskNumber: SCCSIO error COLUMN=columnName RECORD=recordNumber FILE=inputDDName FILEREF=fileName RC=returnCode RSN=reasonCode**

**Explanation:** The SCCSIO component encountered an error while performing the indicated function, but LOADPLUS continued processing. The inputDDName references the input file (SYSREC). The recordNumber is the record's position in the input file. The fileName is the name of the file referenced in the input file if you specified BLOBF, CLOBF, or DBCLOBF on the field specification, or N/A if you are not using a referenced file.

User response: See any other messages for additional information. If necessary, contact BMC Customer Support and provide the information in this message and any accompanying BMC51553W messages.

BMC51553E  

**taskNumber: additionalInformation**

**Explanation:** This message provides additional information for the warning reported in message BMC51552E.

User response: Contact BMC Customer Support and provide the information in these messages and the accompanying BMC51553E message.

BMC51553W  

**taskNumber: additionalInformation**

**Explanation:** This message provides additional information for the warning reported in message BMC51552W.

User response: See any other messages for additional information. If necessary, contact BMC Customer Support and provide the information in these messages and the accompanying BMC51552W message.

BMC51554E  

**LOAD RESUME INTO PART REPLACE NOT ALLOWED FOR TABLESPACES WITH XML COLUMNS databaseName.tableSpaceName**

**Explanation:** You specified LOAD RESUME YES INTO PART n REPLACE to load a table space that contains an XML column. LOADPLUS does not support this case and terminated.

User response: Revise your LOAD command, if possible, and resubmit your job.

BMC51555I  

**PARTITION-LEVEL COPIES CREATED DUE TO LOAD RESUME YES COPY YES ON PARTITION-BY-GROWTH TABLE SPACE databaseName.tableSpaceName**

**Explanation:** You specified LOAD RESUME YES without PART REPLACE and requested one or more copies of a partition-by-growth XML table space.
LOADPLUS generates partition-level copies in this case, regardless of any other options that you specify.

User response: No action is required.

**BMC51556W**

```plaintext
BMC51556W taskNumber: error - COLUMN=columnName RECORD=recordNumber
FILE=inputDDName FILEREF=fileName
```

*Explanation:* LOADPLUS encountered an error while attempting to load LOB or XML data. The `inputDDName` references the input file (SYSREC). The `recordNumber` is the record’s position in the input file. The `fileName` is the name of the file referenced in the input file if you specified BLOBF, CLOBF, or DBCLOBF on the field specification, or N/A if you are not using a referenced file.

LOADPLUS discarded the record.

User response: If applicable, correct the problem. Then, load the discarded record in a subsequent job.

**BMC51557E**

*FOR MULTIPLE INTO STATEMENTS, FIELD SPECIFICATIONS FOR THE SAME LOB OR XML COLUMN MUST HAVE IDENTICAL CHARACTERISTICS*

*Explanation:* You included a field specification for the same LOB or XML column on more than one INTO statement and the characteristics for that column are not the same on the multiple statements. This error might occur, for example, if you specify CLOB on one INTO statement and CLOB MIXED for the same column on another INTO statement.

LOADPLUS terminated.

User response: Correct the LOAD command and resubmit the job.

**BMC51558E**

*ERROR GENERATING VALUE FOR IDENTITY COL ‘columnName’ IN TABLE ‘tableCreator.tableName’. CURRENT CATALOG MAXASSIGNED VALUE IS n*

*Explanation:* An unexpected error occurred while LOADPLUS was generating values for the named identity column. This error might occur, for example, if LOADPLUS is reserving a range of values but finds that the current value for MAXASSIGNEDVAL is less than the last value it assigned.

LOADPLUS terminated.

User response: If you understand the problem, correct it and restart or resubmit the job. Otherwise, contact BMC Customer Support.

**BMC51559E**

*SCCIEXT function RC=returnCode RSN=reasonCode*

*Explanation:* The SCCIEXT component encountered an error while performing the indicated function. LOADPLUS terminated.

User response: Contact BMC Customer Support and provide the information in this message and the accompanying BMC51560E message.
BMC51560E  
**additionalInformation**

*Explanation:*  This message provides additional information for the error reported in message BMC51559E.

*User response:*  Contact BMC Customer Support and provide the information in this message and the accompanying BMC51559E message.

BMC51561I  
**CALCULATED NUMBER OF INPUT RECORDS = n USING A SCALING FACTOR OF percent**

*Explanation:*  You requested that LOADPLUS automatically estimate the number of rows that you are loading by calculating the size of the input files that you specified in your JCL and applying the specified (or default) percentage. The number of records that this message displays is the number that LOADPLUS calculated after applying the scaling factor.

*User response:*  No action is required

BMC51562W  
**NONFATAL FILESIZE ESTIMATION ERROR FOR ddname**

*Explanation:*  You requested that LOADPLUS automatically estimate the number of rows that you are loading, but LOADPLUS encountered an error during that estimation. The message indicates on which ddname LOADPLUS encountered the error, and `errorText` supplies additional explanatory information about the error.

LOADPLUS continues processing. However, LOADPLUS might not provide optimal dynamic allocation of your work data sets, or might not allocate sort processes efficiently.

*User response:*  No action is required. However, you can use the information provided in this message to make changes that can improve the ability of LOADPLUS to estimate the size of your input files. For example, if you specify DD DUMMY in your JCL, specify ENUMROWS 0 instead of AUTO. For more information, see the description of the AUTO option in the *LOADPLUS for DB2 Reference Manual*.

BMC51563A  
**JOB jobName, STEP stepName, FOR TABLESPACE databaseName.tableSpaceName REACHED SWITCHTIME. REPLY (G)O OR (P)AUSE**

*Explanation:*  You specified SWITCHTIME WTOR to request that LOADPLUS issue this message to the MVS system console when the load process completes. The load process completed, and the indicated job will continue processing as requested following your response.

*User response:*  To begin the data set rename or FASTSWITCH process now, specify G (or GO). To pause the load job, allowing you to restart when it is convenient to incur the outage needed for the rename or FASTSWITCH process, specify P (or PAUSE). For more information about this option, see the *LOADPLUS for DB2 Reference Manual*. 
**BMC51564I**  
**RESPONSE OF 'reply' TO MESSAGE BMC51563A IS {VALID | INVALID}**

*Explanation:* This message indicates whether the value that you specified in response to WTOR message BMC51563A is valid.

*User response:* If you specified an invalid value, LOADPLUS reissues the WTOR message. Respond with a valid value as listed in the description for message BMC51563A.

If you specified a valid value, no action is required.

**BMC51565I**  
**SWITCHTIME option PROCESSING status**

*Explanation:* The SWITCHTIME process that you requested has either started or ended.

*User response:* No action is required.

**BMC51567E**  
**'LOADDN' AND 'WORKDDN' SPECIFICATIONS ARE TOO SIMILAR**

*Explanation:* For dynamic data set allocation, LOADPLUS must be able to determine whether ddnames that you specify in the JCL are intended to be LOAD data sets or WORK data sets. For this reason, ddname prefixes that you specify with the LOADDN and WORKDDN options must be different enough for LOADPLUS to make this distinction. *Different enough* means that one prefix cannot be a substring of the other.

For more information, see the syntax descriptions for these two options in the *LOADPLUS for DB2 Reference Manual*.

*User response:* Change your LOADDN or WORKDDN specification and resubmit your job.

**BMC51568I**  
**AMUBMGT TOTAL GETS = n**

*Explanation:* This message and BMC51569I provide statistics for the buffer manager following index processing. This message provides the total number of GET requests made to the buffer manager for the index data set indicated in message BMC51569I.

*User response:* No action is required.

**BMC51569I**  
**AMUBMGT FOR INDEX = dataSetName, GETS = n, PUTS = n, DPUTS = n**

*Explanation:* This message and BMC51568I provide statistics for the buffer manager following index processing. This message provides the number of GET I/Os, PUT I/Os, and dummy PUT requests for the indicated index data set.

*User response:* No action is required.

**BMC51576**  
**HighSpeedApplyEngineMessage**

*Explanation:* This message contains a High-speed Apply Engine message that High-speed Apply passes to LOADPLUS during a LOAD RESUME YES
SHRLEVEL CHANGE SQLAPPLY load. The message severity of the LOADPLUS message (BMC51576) reflects the severity of the High-speed Apply message.

User response:  For information about this message, see the High-speed Apply documentation.

**BMC51577I**  
**ROWS DISCARDED**

Explanation: Messages BMC51577I and BMC51578I make up the heading for the report that contains the statistics for an SQLAPPLY load. The estimates are reported in message BMC51579E.

User response: No action is required.

**BMC51578I**  
**INSERTED SQLERRORS**

Explanation: Messages BMC51577I and BMC51578I make up the heading for the report that contains the statistics for an SQLAPPLY load. The estimates are reported in message BMC51579E.

User response: No action is required.

**BMC51579I**  
**objectType objectName r d**

Explanation: This message displays the following statistics for an online load that uses the High-speed Apply Engine (LOAD RESUME YES SHRLEVEL CHANGE SQLAPPLY). Messages BMC51577I and BMC51578I provide the heading for this report.

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>objectType</td>
<td>Type of object that you are loading (table space, table, or partition)</td>
</tr>
<tr>
<td>objectName</td>
<td>Name of the object that you are loading</td>
</tr>
<tr>
<td>ROWS INSERTED (r)</td>
<td>Number of rows that LOADPLUS successfully loaded</td>
</tr>
<tr>
<td>DISCARDED SQLERROR (d)</td>
<td>Number of rows that LOADPLUS discarded due to SQL errors</td>
</tr>
</tbody>
</table>

If any part of the object name is longer than the available space for that name, LOADPLUS truncates the name according to the value of the LONGNAMETRUNC option and indicates the truncated portion of the name with the appropriate set of angle brackets.

For partition-by-growth table spaces, this message does not indicate how many rows were loaded into each partition. In this case, use the information in this message only to ensure that the total number of rows loaded into the table space is correct.

User response: No action is required.
**BMC51580E**  
**HIGH-SPEED APPLY ENGINE VERSION v.r OR HIGHER IS NOT AVAILABLE**  
*Explanation:* You specified LOAD RESUME YES SHRLEVEL CHANGE SQLAPPLY, but the correct version of the BMC High-speed Apply Engine is not available to LOADPLUS.  
*User response:* Ensure that the correct version of High-speed Apply is installed and available to LOADPLUS in the STEPLIB, JOBLIB, or LINKLIST.

**BMC51581I**  
**THE HIGH-SPEED APPLY ENGINE MUST BE AVAILABLE IN STEPLIB, JOBLIB, OR LINKLIST TO PERFORM A RESUME YES SHRLEVEL CHANGE (SQLAPPLY) LOAD. NO ADDITIONAL LICENSE IS REQUIRED TO USE THIS FEATURE.**  
*Explanation:* This message displays with message BMC51580E and provides additional information to help you resolve the problem indicated by that message.  
*User response:* No action is required.

**BMC51582W**  
**THERE ARE RI RELATIONSHIPS BETWEEN TABLES TO BE LOADED AND LOADPLUS WAS UNABLE TO RESOLVE ALL PARENT-CHILD RELATIONSHIPS. -530 SQL ERRORS MAY RESULT.**  
*Explanation:* You specified ORDER YES with LOAD RESUME YES SHRLEVEL CHANGE SQLAPPLY and there are referential integrity (RI) relationships between two or more of the tables you are loading. For this type of load, LOADPLUS attempts to resolve all RI relationships. However, LOADPLUS could not resolve all RI relationships for this particular job.  
During the COMBINED phase, LOADPLUS uses DB2 to perform insert processing. As a part of this processing, DB2 looks at RI relationships. Therefore, if LOADPLUS could not resolve all RI relationships for this job, you might also obtain SQL -530 errors when processing passes to DB2.  
*User response:* No action is required. However, this warning might have occurred because you were loading tables that are self-referential or that have circular relationships. You can prevent this warning (and potential -530 SQL errors) in the future by ordering the data before your load job and specifying ORDER NO with your LOAD command.

**BMC51583E**  
**ENFORCE RI NOT VALID FOR TABLE tableCreator.tableName BECAUSE PARENT TABLE tableCreator.tableName IS IN THE SAME TABLESPACE AND GLOBAL REPLACE IS SPECIFIED**  
*Explanation:* Either ENFORCE CONSTRAINTS or ENFORCE RI is in effect, and you specified LOAD REPLACE, but the parent table is in the same table space as the table that you are loading. LOADPLUS does not support this set of specifications. Processing terminated.  
*User response:* Change your LOAD command and resubmit your job. (You cannot restart the job if you change the value of the ENFORCE option.)
BMC51584E  CANNOT PROCESS PARENT AND CHILD IN SAME LOAD STEP WHEN ENFORCING RI

Explaination: Either ENFORCE CONSTRAINTS or ENFORCE RI is in effect, and you specified both a parent table and one or more of its child tables in the INTO statements on your LOAD command. LOADPLUS does not support this set of specifications. Processing terminated.

User response: Change your LOAD command and resubmit your job. (You cannot restart the job if you change the value of the ENFORCE option.)

BMC51585I  LOADPLUS HAS DETECTED A RESTART VALUE FOR IDENTITY COLUMN 'columnName' OF TABLE 'tableCreator.tableName'. VALUES FOR THIS IDENTITY COLUMN WILL BE GENERATED STARTING WITH n.

Explaination: The specified identity column was altered to include a RESTART clause. LOADPLUS will generate values beginning with the value displayed in this message.

User response: No action is required.

BMC51586W  MAXASSIGNEDVAL FOR IDENTITY COLUMN 'columnName' OF TABLE 'tableCreator.tableName' HAS BEEN RESET TO currentValue. PREVIOUS VALUE WAS oldValue.

Explaination: While generating identity column values, LOADPLUS updated the value of the MAXASSIGNEDVAL field of SYSIBM.SYSSEQUENCES. For information about how LOADPLUS updates this field, see Chapter 2 of the LOADPLUS for DB2 Reference Manual. If the oldValue variable displays a question mark, this update is the first update of the MAXASSIGNEDVAL field.

User response: No action is required.

BMC51587W  THE VALUE SPECIFIED FOR IDCACHE IS INVALID. IT HAS BEEN RESET TO n.

Explaination: The value for the IDCACHE option is outside the valid range of 1 through 100000. LOADPLUS sets the value for this option to one of the following values and continues processing:

- If you specified a value greater than 100000, LOADPLUS sets this value to 100000.
- If you specified a value less than 1, LOADPLUS sets this value to the default that was specified at installation.

User response: No action is required.

BMC51588E  A MIXTURE OF REPLACED AND RESUMED TABLES HAS BEEN SPECIFIED. THIS IS NOT ALLOWED AT THE CURRENT TIME

Explaination: LOAD RESUME YES is specified with TABLE tableName REPLACE specified for at least one table, but REPLACE is not specified for all
tables that are participating in the load job. LOADPLUS does not currently allow this specification.

*User response:* Correct your LOAD command and resubmit the job.

**BMC51589E**

**THE 'TABLE REPLACE' OPTION IS VALID ONLY WHEN THE TABLESPACE IS SEGMENTED**

*Explanation:* LOAD RESUME YES with TABLE tableName REPLACE is specified for a simple or partitioned table space, which is not valid.

*User response:* Correct your LOAD command and resubmit the job.

**BMC51590**

**FORMAT BMCUNLOAD VERIFICATION FAILED - explanation**

*Explanation:* You specified FORMAT BMCUNLOAD, but one of the following conditions occurred during verification processing:

- The verification records in the input data set (SYSREC) do not match the table that you are loading. Two instances of message BMC51591 follow this message.

- The ROWID or row change timestamp column on the table that you are loading is defined as GENERATED ALWAYS. Two instances of message BMC51591 follow this message.

- The input data file does not contain header records that indicate that it was generated by UNLOAD PLUS.

- The version of UNLOAD PLUS that generated the input file is a later version than the version of LOADPLUS that you are running.

If the severity code is W (warning), LOADPLUS continues loading your table. If the severity code is E (error), either the load job fails or LOADPLUS discards the rows while attempting to find a valid verification record for the target tables specified in the load job.

If the input file does not contain any verification records, LOADPLUS ends with return code 16. If the input file contains verification records, but none of them match any of the tables that you are loading, LOADPLUS discards all records and the job completes with return code 0.

*User response:* If the verification records do not match the table that you are loading, use the messages that follow this one to determine where the discrepancy lies between the two tables. If your ROWID or row change timestamp column on the table being loaded is defined as GENERATED ALWAYS, you must ALTER the table definition and then resubmit your job. If you are not loading an input file that was generated by UNLOAD PLUS, correct the options on your LOAD command and resubmit your job.
BMC51591  {LOADED | UNLOADED} - SSID='ssid', TABLE='tableCreator.tableName', COLUMN='columnName', attribute='definition'

Explanation: In certain cases, two instances of this message follow message BMC51590E. These messages describe the attributes of the table that was unloaded and the attributes of the table that you are loading. Use these messages to determine where the discrepancy lies between the two tables.

If the severity code is W (warning), LOADPLUS continues loading your table. If the severity code is E (error), LOADPLUS discards the rows while attempting to find a valid verification record for this table.

User response: For information about allowable differences between the table that you unloaded and the table that you are loading, see Chapter 2 of the LOADPLUS for DB2 Reference Manual. If necessary, change the definition of the table that you are loading to match the table that you unloaded and resubmit your job.

BMC51592I  PRELOAD STATISTICS: n BMCUNLOAD VERIFICATION RECORDS READ FROM ddname

Explanation: You specified FORMAT BMCUNLOAD, and LOADPLUS read n verification records from the indicated input data set.

User response: No action is required.

BMC51593E  SPACE databaseName.spaceName CANNOT BE RESTARTED IN ITS ORIGINAL ACCESS STATUS. IT MAY BE IN USE.

Explanation: LOADPLUS attempted to start a DB2 space with the same access status that it had when the LOADPLUS job started. One or more BMC50209I messages follow this message, displaying the locks and claims that are held on the space. These additional messages can help you determine whether the space is in use. LOADPLUS cannot determine the status of the space.

User response: Start the space in the correct status and resubmit your job.

BMC51594E  FOR FORMAT BMCUNLOAD TABLE SPACE databaseName.tableSpaceName MUST HAVE ALL PARTITIONS IN EITHER BASIC OR REORDERED FORMAT. MIXED FORMAT PARTITIONS ARE NOT SUPPORTED

Explanation: You specified FORMAT BMCUNLOAD, but the table space that you are loading has one or more partitions in basic row format (BRF) and one or more partitions in reordered row format (RRF). LOADPLUS does not support table spaces that contain mixed formats. The job terminated.

User response: Change your LOAD command, or perform an operation on the table space that formats all partitions in RRF. Resubmit your job.
BMC51595E  
**taskNumber: ROW FORMAT FOR TABLESPACE**
`databaseName.tableSpaceName PART partitionNumber` **DISAGREES WITH THE INFORMATION FROM THE CATALOG**

**Explanation:** The row format (basic or reordered) that is specified in the DB2 catalog for the indicated object is not the same format that is specified in the header page of the data set for the object. The job terminated.

**User response:** Either recover or reorganize the table space by using your organization's standard method. Resubmit your job.

---

BMC51597W  
**UNABLE TO RESOLVE ALL FOREIGN KEY DEPENDENCIES. TABLESPACE 'databaseName.tableSpaceName' WILL BE SET IN CHKP STATUS.**

**Explanation:** You restarted a load job that was enforcing referential constraints. LOADPLUS could not start at the beginning of the job and was unable to check all referential constraints. LOADPLUS processing continues, but the table space will be set in CHECK pending (CHKP) status.

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

---

BMC51598E  
**INDEX 'indexCreator.indexName' PART partitionNumber IS DEFINED AS COMPRESS YES, THE CI SIZE IS NOT 4096, AND REDEFINE NO IS IN EFFECT**

**Explanation:** The specified index is defined as compressed, but at least one of the VSAM data sets for the index or index partition does not have a CI size of 4096 bytes. This problem usually occurs when the index is altered before the load job. Processing terminated.

**User response:** Complete one of the following tasks and restart or rerun your job:

- Drop and redefine the index.
- Change your LOAD command to specify REDEFINE YES.
Messages BMC51600 through BMC51999

This group includes messages for the UNLOAD PLUS for DB2 product.

Messages BMC51600 through BMC51699

For the UNLOAD PLUS for DB2 product, this topic explains each message in the designated range.

BMC51601E  NO. OF SELECT COLUMNS IS FEWER THAN NO. OF INTO FIELDS: FROM TABLE 'tableCreator.tableName'

Explanation: The INTO option contains more fields than the SELECT list contains columns. UNLOAD PLUS did not ignore the excess INTO fields, and processing stopped.

User response: Correct your SELECT or INTO specifications.

BMC51602E  TOO FEW FIELD SPECIFICATIONS FOR SELECT LIST. THE DEFAULTS ARE USED

Explanation: The INTO option contains fewer fields than the SELECT list contains columns. UNLOAD PLUS uses the default field specification data type and format for the column.

User response: If you do not want the defaults, specify one field specification for each column in the SELECT list.

BMC51603E  MUST SPECIFY PRIMARY VALUE WHEN UNLOADING FROM OR USING DIRECT NO.

Explanation: You are unloading using dynamic SQL, but a SPACE value is not specified.

User response: Specify the SPACE option on your OUTPUT command.
FOR FIELD 'fieldName', LENGTH MUST BE SPECIFIED

Explanation: An explicit length for the indicated field is not specified.

User response: Correct the field specification and resubmit the job.

FOR FIELD 'fieldName', DATA TYPE 'dataType1' IS INCOMPATIBLE WITH COLUMN DATA TYPE 'dataType2' OR LENGTH

Explanation: UNLOAD PLUS does not support the data conversion for the data type of the field and the implied column data type that are indicated in the message. For the allowed conversions, see the UNLOAD PLUS for DB2 Reference Manual.

You might receive this message if all of the following conditions exist:

- You are unloading LOB or XML data.
- You specify a data subtype of BLOBF, CLOBF, or DBCLOBF on your field specification.
- You did not specify an output descriptor on the BLOBF, CLOBF, or DBCLOBF field specification.

User response: Correct the field specification and resubmit the job. You can write your own conversion routine to perform the conversion.

IF NULL IS SPECIFIED FOR FIELD 'fieldName': NULL NOT ALLOWED FOR VALUE

Explanation: The field specification includes the IF NULL option and VALUE(NULL) is specified. UNLOAD PLUS does not support this combination.

User response: Correct the field specification and resubmit the job.

IF NULL IS SPECIFIED FOR FIELD 'fieldName', BUT THE CORRESPONDING COLUMN 'columnName' IS NOT NULLABLE

Explanation: The field specification includes the IF NULL option but the corresponding column is defined as NOT NULL.

User response: Correct the field specification and resubmit the job.

IF PREDICATE SPECIFIED FOR FIELD 'fieldName', 'operator' COMPARISON MAY NOT BE USED WITH COLUMN 'columnName' OF DATA TYPE 'dataType'

Explanation: When unloading data using DB2 dynamic SQL, you cannot use the indicated comparison operator with a column of the indicated data type. For numeric data types, you may use only the equal or not equal comparison operators.

User response: Correct the field specification and resubmit the job.
BMC51609E  **IF NULL IS SPECIFIED FOR FIELD 'fieldName', IF ERROR/PREDICATE CANNOT BE USED**

*Explanation:* The field specification includes the IF NULL option and either the IF ERROR option or the IF predicate, which UNLOAD PLUS does not support.

*User response:* Correct the field specification and resubmit the job.

BMC51610E  **CNTLCARDS 'format' CONFLICT WITH NULLTYPE 'type' AND/OR NULLCHAR 'character'**

*Explanation:* You are using control card format SQL/DS, SQL/DS-DDL, or SQL/DS-LOAD, and the NULLTYPE option value is not 'T1', or the NULLCHAR value is not a question mark ('?').

*User response:* When you are using SQL/DS control card formats, specify the default values for NULLTYPE and NULLCHAR, which are 'T1' and '?', respectively.

BMC51611E  **UNKNOWN DATE/TIME EXTERNAL FORMAT 'format' FOR COLUMN 'columnName'**

*Explanation:* UNLOAD PLUS does recognize the specified date/time external format.

*User response:* Correct the date/time external format and resubmit the job.

BMC51612E  **THE RECORDID STRING MUST HAVE A NONZERO LENGTH**

*Explanation:* The RECORDID option does not include a length, or you specified a length of 0.

*User response:* Correct the RECORDID option value and resubmit the job.

BMC51613E  **USE OF 'string' ON THE INTO CLAUSE IS ONLY ALLOWED WITH 'CNTLCARDS' 'DB2', 'DB2LOAD', OR 'BMCLOAD'**

*Explanation:* The 'string' parameter of the INTO command option was specified with a CNTLCARDS option other than DB2LOAD (the default), DB2, or BMCLOAD. You can use the 'string' parameter of the INTO command option for these CNTLCARDS options only.

*User response:* Specify CNTLCARDS DB2, CNTLCARDS DB2LOAD, or CNTLCARDS BMCLOAD on the UNLOAD command or allow the CNTLCARDS option to default to CNTLCARDS DB2LOAD. Resubmit your job.

BMC51614E  **A COLUMN SEPARATOR MUST BE SPECIFIED WITH FORMAT CSV**

*Explanation:* A null value was specified for TERMINATEDBY with FORMAT CSV. Null is not a valid value for this option.

*User response:* Specify a valid separator character with the TERMINATEDBY option or allow UNLOAD PLUS to default to a comma (,). Resubmit your job.
BMC51615I 'INFILE ddname' REQUIRED WHEN 'OBID' SPECIFIED. 'OBID' IGNORED

Explanation: You specified OBID in the SELECT clause table options block. UNLOAD PLUS ignores this option if you do not use the INFILE option.

User response: Either remove the OBID option from the SELECT clause or supply the INFILE option with the corresponding image copy input DD statement in the JCL.

BMC51616E 'OBID' NOT SPECIFIED FOR TABLE 'tableCreator.tableName'

Explanation: You used a DDLIN DD statement to provide object definitions but did not specify OBID in either the CREATE TABLE DDL statement or the SELECT clause table options block in the UNLOAD PLUS control card input.

User response: Either modify the CREATE TABLE DDL statement to contain the OBID for the table, or add the OBID option to the SELECT clause in the UNLOAD PLUS command options.

BMC51617E PREPARE FOR SELECT NO. selectNumber FAILED

Explanation: While attempting to unload data using DB2 dynamic SQL, PREPARE processing failed for the indicated SELECT statement. Messages BMC50205S and BMC50207I usually precede this message. BMC50205S and BMC50207I describe the SQL error that UNLOAD PLUS encountered during PREPARE processing for the SELECT statement.

User response: Correct the SELECT statement and resubmit the job.

BMC51618E INVALID COL/DISTINCT TYPE 'schema.type' IN DDLIN FOR COL 'creatorName.tableName.columnName'

Explanation: The column type (or distinct type) for the indicated column is not valid or is not defined.

User response: Correct the column definition in your DDLIN and resubmit the job.

BMC51619E INVALID COL/DISTINCT TYPE 'schema.type' IN 'INTO' CLAUSE FOR COL 'creatorName.tableName.columnName'

Explanation: The column type (or distinct type) for the indicated column is not valid or not defined.

User response: Correct the column definition in your INTO clause and resubmit the job.

BMC51620E UNLOADDN VALUES FOR PRIMARY AND SECONDARY DDNAMES MUST NOT BE THE SAME

Explanation: The same value for the primary and secondary values were specified for the UNLOADDN option. The primary and secondary values must be unique.

User response: Change either the primary or secondary value so that each is unique.
CANNOT FIND NECESSARY IMAGE COPIES FOR TABLE SPACE 'databaseName.tableSpaceName'

Explanation: You specified INFILE IMAGECOPY, but UNLOAD PLUS could not locate valid image copies for all partitions in SYSIBM.SYSCOPY or, for encrypted copies, in BMCXCOPY for one of the following reasons:

- UNLOAD PLUS could not find an image copy in SYSIBM.SYSCOPY or BMCXCOPY.
- You specified SHRLEVEL REFERENCE but UNLOAD PLUS could not find the SHRLEVEL REFERENCE (SHRLEVEL = R) image copy.
- You are unloading from a partitioned table space and UNLOAD PLUS could not find an image copy for one or more of the partitions that you specified.
- You are unloading from a multi-data-set, nonpartitioned table space and UNLOAD PLUS could not find a DSNUM ALL (DSNUM = 0) image copy.

User response: Remove the INFILE option to unload directly from the indicated table space.

IMAGE COPY 'dataSetName' (timestamp) IS SHRLEVEL_CHANGE or CONCURRENT AND WILL NOT BE USED

Explanation: You specified SHRLEVEL REFERENCE, but UNLOAD PLUS found a suitable SHRLEVEL CHANGE image copy before finding a SHRLEVEL REFERENCE copy. Or, UNLOAD PLUS found a concurrent copy and does not support this type.

User response: If you want to use the latest image copy, specify SHRLEVEL CHANGE. For more information, see the SHRLEVEL option in the UNLOAD PLUS for DB2 Reference Manual.

DUE TO DSNUM=0 COPY, PARTITION partitionNumber WILL NOT USE IMAGE COPY 'dataSetName' LISTED ABOVE

Explanation: UNLOAD PLUS found a suitable copy for partition partitionNumber, but found a DSNUM=0 copy before finding a copy for all partitions.

User response: Specify individual UNLOAD PLUS jobs using the PART option to unload from the latest image copies.

FOR PARTITION (ALL |partitionNumber), IMAGE COPY 'dataSetName' (timestamp) WILL BE USED

Explanation: This message indicates the suitable image copies that UNLOAD PLUS found for each partition or for all partitions. Subsequent messages might provide further information about the copies that UNLOAD PLUS used.

User response: No action is required.
BMC51625E  CANNOT FIND NECESSARY HARDWARE COPIES FOR TABLE SPACE 'databaseName.tableSpaceName' IN BMCXCOPY TABLE

Explanation: UNLOAD PLUS could not find the hardware copy in the BMCXCOPY table. One of the following conditions might have occurred:

- The copy is not registered in the BMCXCOPY table.
- The partition number might be missing in your control statement if you are unloading a partitioned table space.

User response: If the copy exists but is not registered in the BMCXCOPY table, you can use the VSAMDD option to unload the data. If you are trying to unload a partitioned table space, ensure that you use the PART option to specify the partition number.

BMC51627E  DDNAME 'ddname' WAS FOUND WITH NO CORRESPONDING 'DDType' DDNAME

Explanation: UNLOAD PLUS discovered a discrepancy when matching ddnames. The variable DDType is one of the following values:

- CNTL STATEMENT
- INPUT
- UNLOAD
- DUAL UNLOAD
- PRIMARY UNLOAD

User response: Correct the ddnames in the JCL and resubmit the job.

BMC51628E  UNABLE TO LOCATE DDType DDNAME 'ddname', AND THERE IS NO DEFAULT DDNAME 'ddname'

Explanation: UNLOAD PLUS discovered a discrepancy when matching ddnames.

User response: Correct the ddnames in the JCL and ensure that you specified all of the required input and output data sets correctly. Resubmit the job.

BMC51629E  DUAL OUTPUT DDNAME 'ddname' IS ASSIGNED TO A DEVICE THAT IS NOT COMPATIBLE WITH ITS PRIMARY OUTPUT DEVICE

Explanation: You allocated a SYSRED dual output data set and specified a different device type from the device type that you specified on the matching SYSREC output data set. The device types and BLKSIZE calculations for the data sets must be identical.

User response: Correct the DD statements in the JCL and resubmit the job.
OBID MUST BE SPECIFIED IF DDLIN USED WITH MULTI-TABLE TABLESPACES OR MULTIPLE SELECT STATEMENTS

Explanation: You specified INFILE `ddname` and supplied a DDLIN data set, but you did not supply an OBID for the tables and one of the following conditions exists:

- You are unloading a multi-table table space. In this case, UNLOAD PLUS ends with return code 12.
- You specified multiple SELECT statements. In this case, UNLOAD PLUS ends with return code 8.

User response: Revise your UNLOAD statement or DDLIN data set and resubmit the job.

'option' NOT SUPPORTED WHEN UNLOADING USING DYNAMIC SQL

Explanation: Using SELECT-like syntax for data selection, UNLOAD PLUS can read data directly from the table space data set or image copy data sets. When using dynamic SQL, UNLOAD PLUS passes the SELECT statement to DB2 for dynamic SQL processing.

The option that you are using is not valid when UNLOAD PLUS uses DB2 dynamic SQL mode to unload data.

User response: If you want to use the DB2 dynamic SQL mode to unload the data, use a valid option and resubmit the job.

UNLOAD EXIT `programName` WILL BE INVOKED AS LANGUAGE TYPE `language`

Explanation: UNLOAD PLUS invokes the user exit in the UNLOADEXIT name option as the language type that is indicated in the message. This message is meant to inform only.

User response: No action is required.

UNLOAD EXIT 'exitName' WILL [NOT] BE INVOKED FOR TABLE 'tableCreator$tableName'

Explanation: UNLOAD PLUS will either invoke or not invoke the user exit that is specified in the UNLOADEXIT name option for the indicated table. These messages are meant to inform only.

User response: No action is required.
**BMC51634I**  UNLOAD EXIT `exitName' IS TERMINATING THIS RUN WITH RC = `returnCode'

*Explanation:* The user-written exit routine that is in the message requested run termination using the indicated return code. The user-written exit routine is not part of the UNLOAD PLUS product.

*User response:* Contact the author of the user-written exit routine for the reason that the exit is terminating, and correct the problem.

**BMC51635I**  `exitName (referenceNumber)`: text

*Explanation:* The user-written exit routine that is in the message (with reference number, in case of multiple uses) issued the text as a message. The user-written exit routine is not part of the UNLOAD PLUS product.

*User response:* Contact the author of your user-written exit routine for assistance.

**BMC51636I**  COULD NOT LOAD THE `'language' RUN TIME ROUTINE NAMED `routineName`

*Explanation:* UNLOAD PLUS attempted to load the indicated runtime routine, but could not find it.

*User response:* Ensure that the routine is available in your STEPLIB.

**BMC51637I**  `'language' ROUTINE `routineName' RETURNED RC = `returnCode`

*Explanation:* The indicated runtime routine produced a nonzero return code.

*User response:* See the appropriate programming language documentation to determine the problem and correct it.

**BMC51638E**  UNLOAD OF TABLE `tableCreator.tableName' NOT ALLOWED. TABLESPACE HAS MIXED BASIC AND REORDERED ROW FORMATS.

*Explanation:* You attempted to unload a table in a table space that contains one or more partitions in basic row format (BRF) and one or more partitions in reordered row format (RRF). UNLOAD PLUS does not support table spaces that contain mixed formats. The job terminated.

*User response:* Perform an operation on the table space that formats all partitions in RRF. Resubmit your job.

**BMC51639I**  FOR DDNAME `ddname' DSN=`dataSetName', DCB=(RECFM=`recordFormat`, BLKSIZE=`blockSize`,LRECL=`lrecl')

*Explanation:* This message provides characteristics of any output data sets that UNLOAD PLUS created during an execution.

*User response:* No action is required.

**BMC51640I**  DISP=MOD DETECTED FOR DDNAME `ddname', DATA SET `dataSetName'

*Explanation:* UNLOAD PLUS detected that you allocated the unload data set (SYSREC, SYSRED, or SYSCNTL) with the DISP=MOD parameter. The current unload data is appended to any data that is already in the unload data set.

*User response:* No action is required.
**BMC51641E**  
**error, COLUMN = 'columnName', DATA = 'data', ROW ID = 'rowID'**  
*Explanation:* An error occurred when UNLOAD PLUS converted data during from a column value to a field value. The message identifies the type of error and the column, data, and row ID information where the error occurred. The data is in internal DB2 format.  
*User response:* Correct the field specification and resubmit the job.

**BMC51642E**  
**NUMBER OF SELECT STATEMENTS EXCEEDS MAXIMUM OF 9,999**  
*Explanation:* The maximum number of SELECT statements supported by UNLOAD PLUS is 9,999.  
*User response:* Reduce the number of SELECT statements specified and then resubmit the job.

**BMC51644E**  
**TABLES 'tableCreator.tableName' AND 'tableCreator.tableName' IN TABLESPACE 'databaseName.tableSpaceName' HAVE THE SAME OBID 'obid'**  
*Explanation:* UNLOAD PLUS has encountered two tables in a table space that have the same OBID. UNLOAD PLUS terminated with return code 8.  
*User response:* Ensure that all OBID's specified in the DDLIN are unique. Then, check the OBID parameters on the SELECT statements and ensure that the specified OBID's do not duplicate OBID's for other selected tables.

**BMC51646I**  
**VOLUMES=volumeList**  
*Explanation:* This message displays the list of VOLUMES.  
*User response:* No action is required.

**BMC51649E**  
**USER LRECL JCL DD LRCL FOR DDNAME 'ddname' IS TOO SMALL. MINIMUM LRECL IS 'lrecl'**  
*Explanation:* The UNLOAD command includes the USELRECL YES option, but the LRECL specified in the DD statement in your JCL or the LRECL specified on the OUTPUT statement for the SYSREC data set is too small to fit the largest formatted row.  
*User response:* Provide a value for the JCL DD LRECL that is at least as large as the minimum LRECL indicated in the error message, or specify USELRECL NO to allow UNLOAD PLUS to use the calculated record length.

**BMC51650E**  
**USER LRECL JCL DD LRCL FOR DDNAME 'ddname' IS GREATER THAN value**  
*Explanation:* The UNLOAD command includes the USELRECL YES option, and the LRECL specified in the DD statement in your JCL is greater than 32760 or is greater than the values that the MAXBLKSIZE option specified.  
*User response:* Change the specified LRECL to be less than the maximum value that the error message shows, or specify USELRECL NO to allow UNLOAD PLUS to use the calculated record length.
**BMC51651W**  
‘feature’ NOT SUPPORTED IN THIS RELEASE.  
*Explanation:* In this release, UNLOAD PLUS does not support the indicated feature.  
*User response:* Change your UNLOAD command and resubmit the job.

**BMC51652E**  
MAXBLKSIZE value IS TOO SMALL. MINIMUM VALUE IS minimumValue.  
*Explanation:* The value specified for the MAXBLKSIZE option to override the SYSREC block size is smaller than the required block size to accommodate the maximum formatted record length.  
*User response:* Either remove the MAXBLKSIZE specification from the UNLOAD command or increase the value to the indicated minimum value. Resubmit the job.

**BMC51653E**  
SORT KEY REQUIRED FOR SELECT STATEMENT NO. selectNumber IS TOO LONG. THE MAXIMUM ALLOWED IS 4092 BYTES  
*Explanation:* The SELECT statement specifies ordering by a sort key that exceeds the maximum length that the sort allows.  
*User response:* Reduce the number of columns in the ORDER BY clause of the SELECT statement, or ensure that your ORDER BY clause does not contain a long VARCHAR column that exceeds 4092 bytes.

**BMC51654I**  
DIRECT option IN EFFECT  
*Explanation:* This message indicates the processing method that UNLOAD PLUS is using to unload DB2 table data. When you have specified DIRECT AUTO, UNLOAD PLUS chooses either the DIRECT YES method or the DIRECT NO method.  
The value for option is "NO (BASIC)" when the ALTER or CHANGE MANAGER product is running the basic, unlicensed version of UNLOAD PLUS.  
*User response:* No action is required.

**BMC51655I**  
LOCATING copyType IMAGE COPIES  
*Explanation:* This message indicates that you are unloading from an image copy and that UNLOAD PLUS is in the process of locating that image copy.  
*User response:* No action is required.

**BMC51657I**  
GENERATED SELECT STATEMENTS:  
*Explanation:* This message indicates that UNLOAD PLUS generated SELECT statements for each table in the table space that you specified.  
*User response:* For information about the generated SELECT statements, see subsequent messages.
SELECT selectNumber OBID obid TABLE 'tableCreator.tableName'

Explanation: This message informs you about the tables and OBIDs that UNLOAD PLUS assigned to a specific generated SELECT statement.

User response: No action is required.

NO TABLES FOUND FOR TABLESPACE 'databaseName.tableSpaceName'

Explanation: UNLOAD PLUS could not unload the data from the specified table space.

User response: Verify the table space name.

LIMIT KEY PROCESSING DETERMINED THAT NO PARTS CONTAIN ROWS MATCHING SELECTION CRITERIA

Explanation: UNLOAD PLUS filtered out all of the partitions, and has no data to unload.

User response: Validate the WHERE clause.

DISCARD LIMIT limit REACHED. PROCESSING TERMINATED

Explanation: The number of discard records reached the discard limit that you specified in the DISCARD option of the UNLOAD command. The unload job terminated.

User response: Correct the errors that are causing UNLOAD PLUS to discard records, or increase the DISCARD value on the UNLOAD command. Resubmit the job.

DSPSERV ERROR ATTEMPTING task (n BLOCKS) RC=returnCode, RS=reason

Explanation: A Data Space Services error occurred.

User response: Contact BMC Customer Support.

XBLKS = b, XFERS = t, EMPTY WAITS = w, FULL WAITS = f

Explanation: UNLOAD PLUS gathered these statistics while unloading data from an inline image copy of a partitioned table space.

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>Number of transfer blocks</td>
</tr>
<tr>
<td>t</td>
<td>Number of block transfers</td>
</tr>
<tr>
<td>w</td>
<td>Number of empty block wait counts</td>
</tr>
<tr>
<td>f</td>
<td>Number of full block wait counts</td>
</tr>
</tbody>
</table>

User response: No action is required. However, you can use this information to help improve UNLOAD PLUS performance.
**BMC51664I**  
*taskNumber: SELECT STATEMENT NO. selectNumber, ROWS = r*

*Explanation:* UNLOAD PLUS gathered this statistic during unload processing of the indicated SELECT statement using DB2 dynamic SQL. The \( r \) value indicates the total number or rows that UNLOAD PLUS read using the SELECT statement.

*User response:* No action is required.

**BMC51665E**  
*'abendCode' ABEND OCCURRED, SEE JESMSGLG FOR MORE INFO

*Explanation:* An error occurred while UNLOAD PLUS was using dynamic allocation for the unload data sets.

*User response:* Examine JESMSGLG for error information, and correct the error. Resubmit the job.

**BMC51666E**  
*dataSetName error

*Explanation:* An error occurred while UNLOAD PLUS was using dynamic allocation.

*User response:* Correct the error and resubmit the job.

**BMC51667E**  
*DUPLICATE OUTPUT NAME, NAME=descriptorName

*Explanation:* UNLOAD PLUS found an output descriptor that has the same name (\( descriptorName \)) as another output descriptor in the SYSIN data set.

*User response:* Change one of the names and any references to it in the SYSIN data set, and resubmit the job.

**BMC51668E**  
*INFILE OR DYNAMIC SQL WAS SPECIFIED WITH DYNAMIC ALLOCATION BUT NO SIZING PARAMETERS WERE PROVIDED

*Explanation:* One of the following actions occurred:

- Either DIRECT NO or the INFILE option was specified, and dynamic allocation was requested. To use dynamic allocation with either DIRECT NO or the INFILE option, you must specify at least one of the following options:
  
  – SPACE option on the OUTPUT command
  
  – LIMIT option
  
  – ESTROWS on the SELECT statement

- You were unloading XML or LOB data to a referenced file. In this case, you must specify the SPACE option on the OUTPUT statement for the referenced file.

*User response:* Revise your UNLOAD command, and rerun the job.
OBID CHANGE BY SELECT `selectNumber` FOR TABLE `tableCreator.tableName` NOT ALLOWED ALREADY SET TO `obid` BY A PREVIOUS STATEMENT

Explanation: An OBID was implicitly or explicitly specified on the indicated SELECT statement and is in conflict with an OBID set by a previous SELECT statement. When an OBID is specified on one SELECT statement, the same OBID must be specified on all SELECT statements for the same table. The job terminated with return code 8.

User response: Correct the SELECT statements in error and resubmit the job.

UNLOAD STATISTICS: `n` ROWS PROCESSED FROM TABLE `tableCreator.tableName`, `n` NOT SELECTED, `n` DISCARDED

Explanation: This message indicates the number of rows that UNLOAD PLUS unloaded from the indicated table, as well as the number of rows that UNLOAD PLUS discarded because they were not selected or had processing errors.

User response: No action is required.

UNLOAD STATISTICS: `n` ROWS PROCESSED FROM PARTITION `partitionNumber` ONLY IF PARTITIONED

Explanation: This message indicates the number of rows that UNLOAD PLUS unloaded from the indicated partition number. UNLOAD PLUS issues this message only when it is unloading partitioned table spaces.

User response: No action is required.

UNLOAD STATISTICS: `n` ROWS PROCESSED FROM SPACE `databaseName.tableSpaceName`, `n` NOT SELECTED, `n` DISCARDED

Explanation: This message indicates the number of rows that UNLOAD PLUS unloaded from the indicated table space, as well as the number of rows that UNLOAD PLUS discarded because they were not selected or had processing errors.

User response: No action is required.

UNLOAD STATISTICS: `n` RECORDS PASSED VERIFICATION, `n` FAILED VERIFICATION

Explanation: This message indicates the number of records that the user exit routine flagged to unload and not to unload.

User response: No action is required.

UNLOAD STATISTICS: `n` objects WRITTEN TO `outputObject 'ddname'`

Explanation: This message indicates the number of records that UNLOAD PLUS wrote to the unload data set, or the number of LOB or XML columns that UNLOAD PLUS wrote to the referenced data set or file system.

User response: No action is required.
**BMC51675I**  
*n* RECORDS DISCARDED DUE TO ERRORS  

*Explanation:* This message indicates the number of records that UNLOAD PLUS would have written if errors had not occurred during creation of the records.  

*User response:* No action is required.

**BMC51676I**  
UNLOAD STATISTICS: *r* ROWS PROCESSED FOR SELECT STATEMENT  
NO. *selectNumber*, *d* DISCARDED  

*Explanation:* This message indicates the number of rows that UNLOAD PLUS unloaded for the indicated SELECT statement using DB2 dynamic SQL, as well as the number of rows that UNLOAD PLUS discarded because it found errors during processing.  

*User response:* No action is required.

**BMC51677W**  
UNLOAD STATISTICS: ROW(S) DISCARDED, *reason*  

*Explanation:* UNLOAD PLUS discarded rows due to the reason specified in this message.  

If the specified *reason* is DATA TRUNCATION DETECTED, either DB2 or UNLOAD PLUS truncated a LOB or XML column that would have resulted in a length greater than 32 KB.  

*User response:* If appropriate, change your UNLOAD command to select all columns except those that caused the discarded rows. Rerun the job.

**BMC51678W**  
UNLOAD STATISTICS: OBID(S) FOUND ’*obidList*’  

*Explanation:* When attempting to unload data from an image copy, DSN1COPY, or hardware copy, UNLOAD PLUS did not find any rows for a selected table with a matching OBID. The message shows (in ascending sequence) the decimal values for OBIDs that UNLOAD PLUS found. UNLOAD PLUS issues return code 4.  

**Note**  
If UNLOAD PLUS finds matches for any of the OBID parameters, UNLOAD PLUS does not issue this message and does not set return code 4, even if some OBID parameters are not matched.  

*User response:* Verify the OBIDs for the selected tables to ensure they correspond to the OBIDs in the image copy. For the tables being unloaded, OBIDs are obtained either from the OBID keyword, the DDLIN, or the DB2 catalog.
BMC51679I UNLOAD STATISTICS: \( n \) DATA RECORDS AND \( n \) CONTROL RECORDS WRITTEN TO DDNAME 'ddname'

Explanation: This message indicates the number of data records and number of FORMAT BMCLOAD control records that UNLOAD PLUS wrote to the output data set.

User response: No action is required.

BMC51680I UNLOAD LIMIT OF \( \text{limit} \) REACHED FOR PARTITION \( \text{partitionNumber} \)

Explanation: UNLOAD PLUS unloaded the number of records that you specified in the LIMIT option, and has completed normally.

User response: No action is required.

BMC51681I UNLOAD LIMIT OF \( \text{limit} \) REACHED FOR TABLESPACE '\( \text{databaseName} \).\( \text{tableSpaceName} \)'

Explanation: UNLOAD PLUS unloaded the number of records that you specified in the LIMIT option. The utility completed normally.

User response: No action is required.

BMC51682I UNLOAD LIMIT OF \( \text{limit} \) REACHED FOR TABLE '\( \text{tableCreator} \).\( \text{tableName} \)'

Explanation: UNLOAD PLUS unloaded the number of records that you specified in the LIMIT option. The utility completed normally.

User response: No action is required.

BMC51683I UNLOAD LIMIT OF \( \text{limit} \) REACHED FOR SELECT STATEMENT NO. \( \text{selectNumber} \)

Explanation: UNLOAD PLUS unloaded the number of records that you specified in the LIMIT option. The utility completed normally.

User response: No action is required.

BMC51686I UNLOADING OF DATASET '\( \text{dataSetName} \)' READ \( n \) PAGES

Explanation: During unload processing, UNLOAD PLUS read \( n \) pages from the indicated data set.

User response: No action is required.

BMC51687I ESTIMATED ROWS FOR TABLESPACE \( \text{tableSpaceName} \) PART \( \text{partitionNumber} \) IS \( n \)

Explanation: During the analysis phase, UNLOAD PLUS calculated the estimated number of rows for a partition.

User response: No action is required.
**BMC51688I**  
**ESTIMATED ROWS FOR TABLE** *tableName* IS *n*  
*Explanation:* During the analysis phase, UNLOAD PLUS calculated the estimated number of rows for a table.  
*User response:* No action is required.  

**BMC51689I**  
**ESTIMATED ROWS FOR SELECT** *selectName* IS *n*  
*Explanation:* During the analysis phase, UNLOAD PLUS calculated the estimated number of rows for a SELECT statement.  
*User response:* No action is required.  

**BMC51691E**  
**CANNOT USE HARDWARE COPY FOR** *databaseName*.*tableSpaceName*  
**BECAUSE DSNUM IS GREATER THAN 1**  
*Explanation:* UNLOAD PLUS is attempting to unload a multi-data-set, nonpartitioned table space from multiple copies (that is, DSNUM is greater than 1). UNLOAD PLUS can unload multi-data-set, nonpartitioned table spaces only from a single image copy that contains all of the individual data sets.  
*User response:* For this type of data set, you must use a standard copy.  

**Messages BMC51700 through BMC51799**  
For the UNLOAD PLUS for DB2 product, this topic explains each message in the designated range.  

**BMC51701I**  
**MAX TASKS = t, MAX PARTITIONS PER TASK = p, SORTWKS PER TASK = s, MAX OPEN PARTITIONS PER TASK = o**  
*Explanation:* This message describes the following information that UNLOAD PLUS has determined that it will use to unload data:  

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>t</em></td>
<td>Maximum number of concurrent tasks that UNLOAD PLUS can multitask</td>
</tr>
<tr>
<td><em>p</em></td>
<td>Maximum number of partitions that UNLOAD PLUS can process per task based on the available resources</td>
</tr>
<tr>
<td><em>s</em></td>
<td>Number of sort work files that are assigned to each task. UNLOAD PLUS displays this value only if you specified ORDER YES.</td>
</tr>
<tr>
<td><em>o</em></td>
<td>Maximum number of partitions that can be open per task</td>
</tr>
</tbody>
</table>

*User response:* No action is required. However, you can use this information to improve performance. For more information, see Chapter 6 of the **UNLOAD PLUS for DB2 Reference Manual**.
**BMC51702I**  
**MAX TASKS = t**  
*Explanation:* This message tells you the maximum number of tasks that UNLOAD PLUS will attempt to execute concurrently while unloading data using DB2 dynamic SQL.  
*User response:* No action is required.

**BMC51703I**  
**DB2 CONNECT LIMIT REACHED - MAX TASKS = n**  
*Explanation:* When UNLOAD PLUS is unloading data using DB2 dynamic SQL, this message tells you the maximum number of tasks UNLOAD PLUS was able to initiate before reaching the DB2 MAX BATCH CONNECT limit.  
*User response:* No action is required.

**BMC51710E**  
**USE DIRECT NO**  
*Explanation:* You specified an option or are unloading an object that requires DIRECT NO. Messages preceding this one (such as BMC51711E) provide additional information about the option or feature. UNLOAD PLUS terminated.  
*User response:* Revise your UNLOAD command to specify DIRECT NO and resubmit the job. Alternatively, you can change the option described in the message that precedes this one or change the object that you are unloading so that DIRECT NO is not required.

**BMC51711E**  
**keywordString INVALID WITH DATA TYPE dataType, COLUMN columnName**  
*Explanation:* You specified an option value that is not valid when unloading XML or LOB data. UNLOAD PLUS terminated.  
*User response:* Revise your UNLOAD command by either removing the invalid option or changing the option's value to a valid value. For information about invalid options for unloading XML and LOB data, see Chapter 2 of the UNLOAD PLUS for DB2 Reference Manual. Resubmit the job.

**BMC51712E**  
**COLUMN columnName INVALID WITH FILE REFERENCE OF BLOBF, CLOBF OR DBCLOBF**  
*Explanation:* You specified a BLOBF, CLOBF, or DBCLOBF subtype on your field specification for a column that is not an XML or LOB column. UNLOAD PLUS terminated.  
*User response:* Revise your UNLOAD command and resubmit the job.

**BMC51713E**  
**FILEREFDN VALUE ‘ddname’ MUST BE UNIQUE FROM UNLOADDN VALUES**  
*Explanation:* The value specified for the FILEREFDN installation option is the same as one of the values specified for the UNLOADDN installation or
command option. All ddnames or ddname prefixes for output files must be unique. UNLOAD PLUS terminated.

_User response:_ Change either the FILEREFDN option or the UNLOADDN option so that all values are unique.

**BMC51715E**

**INVALID DESCRIPTOR descriptorName FOR BLOBF, CLOBF OR DBCLOBF. MUST BE UNIQUE**

_**Explanation:**_ When unloading LOB or XML data, you specified the same descriptor name for more than one referenced file. UNLOAD PLUS terminated.

_User response:_ Revise your field specification to point to unique output descriptors for each referenced file. Rerun the job.

**BMC51716E**

**INVALID OPTION 'keyword' SPECIFIED FOR fileType OUTPUT DESCRIPTOR descriptorName**

_**Explanation:**_ When unloading XML or LOB data to a referenced file, you specified an option on your OUTPUT statement that UNLOAD PLUS does not support for the indicated output file type. UNLOAD PLUS terminated.

_User response:_ Revise your OUTPUT statement and resubmit the job.

**BMC51717E**

**OPTION 'keyword' NOT SPECIFIED FOR FILE REFERENCE OUTPUT DESCRIPTOR descriptorName**

_**Explanation:**_ When unloading XML or LOB data to a referenced file, the OUTPUT statement that you specified did not include the indicated option, which is required. UNLOAD PLUS terminated.

_User response:_ Revise your OUTPUT statement and resubmit the job.

**BMC51718E**

**LENGTH SPECIFIED FOR FILE REFERENCE WILL CAUSE DATASET NAME TRUNCATION - DESCRIPTOR descriptorName**

_**Explanation:**_ The length that you specified for a field to contain a LOB or XML referenced file name is shorter than the file name. UNLOAD PLUS terminated.

_User response:_ Increase the length specification in your UNLOAD command and resubmit the job.

**BMC51719E**

**COLUMN columnName OF TYPE dataType INVALID WITH IF CONDITIONS**

_**Explanation:**_ You specified the IF option on the field specification for a LOB, XML, or referenced file field. UNLOAD PLUS does not support this option in this case.

_User response:_ Revise your UNLOAD command to remove the IF option and resubmit the job.

**BMC51720E**

**option NOT SUPPORTED WITH COLUMN TYPES OF LOB OR XML**

_**Explanation:**_ You specified an option that UNLOAD PLUS does not support when unloading LOB or XML data. UNLOAD PLUS terminated.

_User response:_ Revise your UNLOAD command and resubmit the job.
BMC51721E  \( \text{taskNumber}: \text{XDBX FUNCTION} = \text{function}, \text{RC} = \text{returnCode}, \text{RSN} = \text{reasonCode}, \text{RECORD} = \text{recordNumber} \)

Explanation: The XDBX component encountered an error while performing the indicated function. UNLOAD PLUS terminated.

User response: Contact BMC Customer Support and provide the information in this message and any accompanying BMC51722E messages.

BMC51722E  \( \text{taskNumber}: \text{additionalInformation} \)

Explanation: This message provides additional information for the error reported in message BMC51721E or BMC51730E.

User response: Contact BMC Customer Support and provide the information in these messages and the accompanying message.

BMC51723E  \( \text{taskNumber}: \text{LOB FUNCTION} = \text{function}, \text{RC} = \text{returnCode}, \text{RSN} = \text{reasonCode}, \text{RECORD} = \text{recordNumber} \)

Explanation: The LOB component encountered an error while performing the indicated function. UNLOAD PLUS terminated.

User response: Contact BMC Customer Support and provide the information in this message.

BMC51724E  \text{NO OUTPUT DESCRIPTOR SPECIFIED FOR LOB/XML COLUMN NAME} \( \text{columnName} \)

Explanation: The field specification for the named column has a data subtype of BLOBF, CLOBF, or DBCLOBF. You supplied an output descriptor name for the field, but no output descriptor with that name was defined in the installation defaults, or on an OUTPUT statement on your UNLOAD command.

User response: Complete one of the following tasks, and resubmit the job:

- Change your field specification to use an output descriptor name that matches either the default output descriptor (in the FILEREFDN option) or the output descriptor named in an OUTPUT statement.

- Add an OUTPUT statement that uses the output descriptor name on your field specification.

BMC51725E  \text{AUXILIARY INDEX NOT DEFINED FOR LOB SPACE} \( \text{databaseName.tableSpaceName} \)

Explanation: You attempted to unload a LOB table space, but no auxiliary index is defined for the specified table space. UNLOAD PLUS terminated.

User response: Create an auxiliary index on the table space. Resubmit the job.
**BMC51726E**  
**CATAPI ERROR: PROBABLE CAUSE IS LOB SPACE NOT DEFINED FOR TABLE**  
*tableCreator$tableName COLUMN $columnName*  

_Explanation:_ You attempted to unload a LOB table space, but no LOB table space is defined for the table that you are unloading.  

_Users response:_ Either correct your UNLOAD specification or create the appropriate LOB table space. Resubmit your job.

**BMC51727E**  
**THE NUMBER OF FILE REFERENCE DATASETS EXCEEDS THE LIMIT OF**  
*limit*  

_Explanation:_ UNLOAD PLUS has determined that the number of data sets required for your referenced files is greater than the number that it can allocate. When you multiply the following three values, the total must be less than the limit indicated in this message:  

- number of LOB and XML columns that you are unloading  
- value of the SUBSETS option  
- number of partitions in the base table space, if you included the &PART variable in your DSNAME specification  

UNLOAD PLUS terminated.  

_Users response:_ Complete one or more of the following tasks and resubmit your job:  

- If you specified a value other than 0 or 1 for the SUBSETS option, reduce that value.  
- Remove the &PART variable from your DSNAME specification.  
- Reduce the number of LOB or XML columns that you are unloading.  
- Reduce the number of partitions that you are unloading.

**BMC51728E**  
**CNTLCARDS INVALID WITH DATA TYPE**  
*dataType, COLUMN $columnName.*  

_Validation values are DB2, DB2DDL or DB2LOAD*  

_Explanation:_ You are unloading one or more LOB or XML columns, and you specified the CNTLCARDS option with a value other than DB2, DB2DDL, or DB2LOAD. UNLOAD PLUS does not support this condition and terminated.  

_Users response:_ Change your UNLOAD command and resubmit the job.
BMC51730E  **taskNumber**: SCCSIO FUNCTION= function RC= returnCode RSN= reasonCode RECORD= recordNumber

*Explanation:* The SCCSIO component encountered an error while performing the indicated *function*. UNLOAD PLUS terminated.

*User response:* Contact BMC Customer Support and provide the information in this message and any accompanying BMC51722E messages.

BMC51731E  **taskNumber**: FOR DOCID 'documentID' (INSUFFICIENT | SUPER-SUFFICIENT) RIDS (RIDCount, RIDsUsed) FOUND

*Explanation:* During XML processing, UNLOAD PLUS encountered an error and terminated.

*User response:* If you specified DIRECT YES but your job does not preclude using DIRECT NO instead, change your UNLOAD command and resubmit the job. If you continue to encounter this problem or are unable to specify DIRECT NO, contact BMC Customer Support.

BMC51732E  **MAX XML/LOB SUBTASKS (200) EXCEEDED (n). REDUCE SUBSETS**

*Explanation:* Based on the following information, UNLOAD PLUS determined that your job would require more LOB and XML subtasks than UNLOAD PLUS is able to run:

- value of the SUBSETS option
- number of LOB and XML columns that you are unloading

*User response:* Reduce the value for the SUBSETS option, or reduce the number of LOB and XML columns that you have selected to unload. Resubmit your job.

BMC51740E  **OPTION 'FILTERPART' NOT VALID WITH PARTITION-BY-GROWTH TABLESPACE databaseName.tableSpaceName**

*Explanation:* You specified FILTERPART YES for an unload of a partition-by-growth table space. UNLOAD PLUS does not support FILTERPART YES for partition-by-growth table spaces.

*User response:* Revise your UNLOAD command to either remove the FILTERPART option or change the value to FILTERPART NO. Rerun the job.

BMC51745W  **RECFM VB CANNOT OVERRIDE VBS DUE TO RECORD LENGTH.**

*Explanation:* You specified RECFM VB (or VB was in effect by default from the installation option), but the record length of the unload data set is greater than the system maximum block size. This record length requires a record format of VBS. Message number BMC51639I follows this one and displays the characteristics of the unload data set.

*User response:* No action is required.
BMC51747E  MAXBLKSIZE \( (n) \) TOO LARGE, CANNOT EXCEED \( n \)

*Explanation:* You specified a value for the MAXBLKSIZE option that is greater than the maximum block size that MVS allows. UNLOAD PLUS terminated.

*User response:* Revise your UNLOAD command and rerun the job.

**Messages BMC51800 through BMC51899**

For the UNLOAD PLUS *for DB2* product, this topic explains each message in the designated range.

**BMC51801I**  controlCardsType `statementType` STATEMENTS WRITTEN TO DDNAME 'ddname'

*Explanation:* UNLOAD PLUS issues this message when you specify the CNTLCARDS option. The message identifies the ddname of the output data set that contains the generated control statements.

*User response:* No action is required.

**BMC51802W**  SOME DB2 COLUMN NAMES WERE MODIFIED TO CONFORM TO productName INPUT STATEMENT NAMING CONVENTIONS

*Explanation:* UNLOAD PLUS issues this message when you specify the CNTLCARDS option for products other than DB2. The message identifies the product and indicates that it modified a column or field name to conform to the rules for building definitions of the field name of the product.

*User response:* For more information, see Appendix C of the UNLOAD PLUS for DB2 Reference Manual. Individual column entries that have been changed or modified have an appropriate comment statement in the output to show what was done.

**BMC51803W**  SOME DB2 DATA LENGTHS MUST BE SET TO maximumSize TO CONFORM TO productName

*Explanation:* UNLOAD PLUS issues this message when you specify the CNTLCARDS option for products other than DB2. The message identifies the product and indicates that you must set at least one column to maximumSize because it exceeds the known maximum column length for the indicated product.

*User response:* For more information, see Appendix C of the UNLOAD PLUS for DB2 Reference Manual.

UNLOAD PLUS gives an appropriate comment statement generated in the output for column entries that have a problem.
**BMC51804W**

**WARNING--NO 'WHEN' VALUE SPECIFIED**

*Explanation:* UNLOAD PLUS issues this message when you specify the CNTLCARDS option. UNLOAD PLUS generates a WHEN clause on a LOAD control statement only when you specify AUTOTAG YES in the UNLOAD control statement or when you include a RECORDID clause with each SELECT. In your UNLOAD control statement, you specified multiple SELECT statements with AUTOTAG NO, and at least one SELECT statement does not contain a RECORDID clause.

*User response:* Specify your UNLOAD control statement using AUTOTAG YES or include a RECORDID clause with each SELECT.

**BMC51805I**

**CREATE TABLE**

*Explanation:* Messages BMC51805 through BMC51808 are echoed DB2 CREATE TABLE DDL statements that UNLOAD PLUS generated because you specified the CNTLCARDS DB2 option. The generated statements are in the SYSCNTL data set.

*User response:* Use the SYSCNTL data set as input DDL to create another DB2 table.

**BMC51806I**

*column* *name* *columnType* *options*

*Explanation:* Messages BMC51805 through BMC51808 are echoed DB2 CREATE TABLE DDL statements that UNLOAD PLUS generated because you specified the CNTLCARDS DB2 option. The generated statements are in the SYSCNTL data set.

*User response:* Use the SYSCNTL data set as input DDL to create another DB2 table.

**BMC51807I**

*column* *name* *columnType*(length) *options*

*Explanation:* Messages BMC51805 through BMC51808 are echoed DB2 CREATE TABLE DDL statements that UNLOAD PLUS generated because you specified the CNTLCARDS DB2 option. The generated statements are in the SYSCNTL data set.

*User response:* Use the SYSCNTL data set as input DDL to create another DB2 table.

**BMC51808I**

*column* *name* *columnType*(length, scale) *options*

*Explanation:* Messages BMC51805 through BMC51808 are echoed DB2 CREATE TABLE DDL statements that UNLOAD PLUS generated because you specified the CNTLCARDS DB2 option. The generated statements are in the SYSCNTL data set.

*User response:* Use the SYSCNTL data set as input DDL to create another DB2 table.
The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set either as input DDL to create another DB2 table, or as input to a LOAD utility to load an existing DB2 table with the unloaded data.

**BMC51810I**  
LOAD DATA INDDN ddname

Explanation: Messages BMC51810 through BMC51819 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified or defaulted to the CNTLCARDS BMCLOAD, CNTLCARDS DB2, or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

**BMC51811I**  
INTO TABLE

Explanation: Messages BMC51810 through BMC51819 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified or defaulted to the CNTLCARDS BMCLOAD, CNTLCARDS DB2, or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

**BMC51812I**  
WHEN (1:columnLength) = 'constant'

Explanation: Messages BMC51810 through BMC51819 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified or defaulted to the CNTLCARDS BMCLOAD, CNTLCARDS DB2, or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.
BMC51813I ,columnName POSITION(start:end) columnType

Explanation: Messages BMC51810 through BMC51819 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified or defaulted to the CNTLCARDS BMCLOAD, CNTLCARDS DB2, or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

BMC51814I NULLIF BMC_NULL n='?'

Explanation: Messages BMC51810 through BMC51819 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified or defaulted to the CNTLCARDS BMCLOAD, CNTLCARDS DB2, or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

BMC51815I ,columnName POSITION(start:end) columnType (length)

Explanation: Messages BMC51810 through BMC51819 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified or defaulted to the CNTLCARDS BMCLOAD, CNTLCARDS DB2, or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

BMC51816I ,columnName POSITION(start:end) columnType (length, scale)

Explanation: Messages BMC51810 through BMC51819 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified or defaulted to the CNTLCARDS BMCLOAD, CNTLCARDS DB2, or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

BMC51817I WHEN (1:columnLength) =

Explanation: Messages BMC51810 through BMC51819 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified or defaulted to the CNTLCARDS BMCLOAD, CNTLCARDS DB2, or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.
BMC51818I  'constant'
Explanation: Messages BMC51810 through BMC51819 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified or defaulted to the CNTLCARDS BMCLOAD, CNTLCARDS DB2, or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.
User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

BMC51819I ,BMC_NULLn POSITION(position) CHAR(n)
Explanation: Messages BMC51810 through BMC51819 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified or defaulted to the CNTLCARDS BMCLOAD, CNTLCARDS DB2, or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.
User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

BMC51820I /*warningMessageComment*/
Explanation: Messages BMC51820 through BMC51839 are echoed SAS external file INPUT definition statements that UNLOAD PLUS generated because you specified the CNTLCARDS SAS option. The generated statements are in the SYSCNTL data set.
User response: Use the SYSCNTL statements as input to SAS in order to read the unloaded data directly into a SAS execution run.

BMC51821I DATA fileName;
Explanation: Messages BMC51820 through BMC51839 are echoed SAS external file INPUT definition statements that UNLOAD PLUS generated because you specified the CNTLCARDS SAS option. The generated statements are in the SYSCNTL data set.
User response: Use the SYSCNTL statements as input to SAS in order to read the unloaded data directly into a SAS execution run.

BMC51822I INFILE dname;
Explanation: Messages BMC51820 through BMC51839 are echoed SAS external file INPUT definition statements that UNLOAD PLUS generated because you specified the CNTLCARDS SAS option. The generated statements are in the SYSCNTL data set.
User response: Use the SYSCNTL statements as input to SAS in order to read the unloaded data directly into a SAS execution run.

BMC51823I INPUT or ;
Explanation: Messages BMC51820 through BMC51839 are echoed SAS external file INPUT definition statements that UNLOAD PLUS generated because you
specified the CNTLCARDS SAS option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL statements as input to SAS in order to read the unloaded data directly into a SAS execution run.

BMC51824I  

`columnName $CHARnn.comment`

Explanation: Messages BMC51820 through BMC51839 are echoed SAS external file INPUT definition statements that UNLOAD PLUS generated because you specified the CNTLCARDS SAS option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL statements as input to SAS in order to read the unloaded data directly into a SAS execution run.

BMC51825I  

`columnName $VARYINGnn.VARLENnn_nn_@;`

Explanation: Messages BMC51820 through BMC51839 are echoed SAS external file INPUT definition statements that UNLOAD PLUS generated because you specified the CNTLCARDS SAS option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL statements as input to SAS in order to read the unloaded data directly into a SAS execution run.

BMC51826I  

`columnName %%.%% %%

Explanation: Messages BMC51820 through BMC51839 are echoed SAS external file INPUT definition statements that UNLOAD PLUS generated because you specified the CNTLCARDS SAS option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL statements as input to SAS in order to read the unloaded data directly into a SAS execution run.

BMC51827I  

`columnName E%%. %%

Explanation: Messages BMC51820 through BMC51839 are echoed SAS external file INPUT definition statements that UNLOAD PLUS generated because you specified the CNTLCARDS SAS option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL statements as input to SAS in order to read the unloaded data directly into a SAS execution run.

BMC51828I  

`columnName ?? PDnn.nn_comment`

Explanation: Messages BMC51820 through BMC51839 are echoed SAS external file INPUT definition statements that UNLOAD PLUS generated because you specified the CNTLCARDS SAS option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL statements as input to SAS in order to read the unloaded data directly into a SAS execution run.
**BMC51829I**  
*columnName RBnn.nn_comment*

**Explanation:** Messages BMC51820 through BMC51839 are echoed SAS external file INPUT definition statements that UNLOAD PLUS generated because you specified the CNTLCARDS SAS option. The generated statements are in the SYSCNTL data set.

**User response:** Use the SYSCNTL statements as input to SAS in order to read the unloaded data directly into a SAS execution run.

**BMC51830I**  
*columnName ZDnn.nn_comment*

**Explanation:** Messages BMC51820 through BMC51839 are echoed SAS external file INPUT definition statements that UNLOAD PLUS generated because you specified the CNTLCARDS SAS option. The generated statements are in the SYSCNTL data set.

**User response:** Use the SYSCNTL statements as input to SAS in order to read the unloaded data directly into a SAS execution run.

**BMC51831I**  
*columnName IBnn.nn_comment*

**Explanation:** Messages BMC51820 through BMC51839 are echoed SAS external file INPUT definition statements that UNLOAD PLUS generated because you specified the CNTLCARDS SAS option. The generated statements are in the SYSCNTL data set.

**User response:** Use the SYSCNTL statements as input to SAS in order to read the unloaded data directly into a SAS execution run.

**BMC51832I**  
*NULLnn $CHARZBn.*

**Explanation:** Messages BMC51820 through BMC51839 are echoed SAS external file INPUT definition statements that UNLOAD PLUS generated because you specified the CNTLCARDS SAS option. The generated statements are in the SYSCNTL data set.

**User response:** Use the SYSCNTL statements as input to SAS in order to read the unloaded data directly into a SAS execution run.

**BMC51836I**  
*VARLENnn_IB2. %% /"LENGTH OF FIELD columnName "/*

**Explanation:** Messages BMC51820 through BMC51839 are echoed SAS external file INPUT definition statements that UNLOAD PLUS generated because you specified the CNTLCARDS SAS option. The generated statements are in the SYSCNTL data set.

**User response:** Use the SYSCNTL statements as input to SAS in order to read the unloaded data directly into a SAS execution run.

**BMC51837I**  
*IF VARLENnn ¬ = 0 THEN INPUT*

**Explanation:** Messages BMC51820 through BMC51839 are echoed SAS external file INPUT definition statements that UNLOAD PLUS generated because you
specified the CNTLCARDS SAS option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL statements as input to SAS in order to read the unloaded data directly into a SAS execution run.

BMC51838I  
% % /* RESUME INPUT */

Explanation: Messages BMC51820 through BMC51839 are echoed SAS external file INPUT definition statements that UNLOAD PLUS generated because you specified the CNTLCARDS SAS option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL statements as input to SAS in order to read the unloaded data directly into a SAS execution run.

BMC51839I  
OPTIONS INVALIDDATA='.';

Explanation: Messages BMC51820 through BMC51839 are echoed SAS external file INPUT definition statements that UNLOAD PLUS generated because you specified the CNTLCARDS SAS option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL statements as input to SAS in order to read the unloaded data directly into a SAS execution run.

BMC51840W  
WARNING: warningMessageComment

Explanation: Messages BMC51840 through BMC51846 are echoed Easytrieve Plus data definition statements that UNLOAD PLUS produced because you specified the CNTLCARDS EASYTRIEVE option.

User response: Use these statements (which were written to SYSCNTL) as an Easytrieve Plus data definition to read the unloaded data directly into an Easytrieve Plus execution run.

BMC51841I  
FILE ddname recordFormat(lrecl blockSize)

Explanation: Messages BMC51840 through BMC51846 are echoed Easytrieve Plus data definition statements that UNLOAD PLUS produced because you specified the CNTLCARDS EASYTRIEVE option.

User response: Use these statements (which were written to SYSCNTL) as an Easytrieve Plus data definition to read the unloaded data directly into an Easytrieve Plus execution run.

BMC51842I  
* comment

Explanation: Messages BMC51840 through BMC51846 are echoed Easytrieve Plus data definition statements that UNLOAD PLUS produced because you specified the CNTLCARDS EASYTRIEVE option.

User response: Use these statements (which were written to SYSCNTL) as an Easytrieve Plus data definition to read the unloaded data directly into an Easytrieve Plus execution run.
BMC51843I  \textit{column name} \textit{position} \textit{length} \textit{type}

Explanation: Messages BMC51840 through BMC51846 are echoed Easytrieve Plus data definition statements that UNLOAD PLUS produced because you specified the CNTLCARDS EASYTRIEVE option.

User response: Use these statements (which were written to SYSCNTL) as an Easytrieve Plus data definition to read the unloaded data directly into an Easytrieve Plus execution run.

BMC51844I  \textit{column name} \textit{position} \textit{length} \textit{type} \textit{scale}

Explanation: Messages BMC51840 through BMC51846 are echoed Easytrieve Plus data definition statements that UNLOAD PLUS produced because you specified the CNTLCARDS EASYTRIEVE option.

User response: Use these statements (which were written to SYSCNTL) as an Easytrieve Plus data definition to read the unloaded data directly into an Easytrieve Plus execution run.

BMC51845I  \texttt{NULLnn position n A}

Explanation: Messages BMC51840 through BMC51846 are echoed Easytrieve Plus data definition statements that UNLOAD PLUS produced because you specified the CNTLCARDS EASYTRIEVE option.

User response: Use these statements (which were written to SYSCNTL) as an Easytrieve Plus data definition to read the unloaded data directly into an Easytrieve Plus execution run.

BMC51846I  \texttt{VARLENnn position 2 B}

Explanation: Messages BMC51840 through BMC51846 are echoed Easytrieve Plus data definition statements that UNLOAD PLUS produced because you specified the CNTLCARDS EASYTRIEVE option.

User response: Use these statements (which were written to SYSCNTL) as an Easytrieve Plus data definition to read the unloaded data directly into an Easytrieve Plus execution run.

BMC51850W  \texttt{$ WARNING: warningMessageComment}

Explanation: Messages BMC51850 through BMC51863 are echoed FOCUS external file description statements that UNLOAD PLUS generated because you specified the CNTLCARDS FOCUS option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL statements as an external FOCUS file definition to read the unloaded data directly into a FOCUS execution run.

BMC51851I  \texttt{FILENAME=ddname,SUFFIX=FIX,$}

Explanation: Messages BMC51850 through BMC51863 are echoed FOCUS external file description statements that UNLOAD PLUS generated because
you specified the CNTLCARDS FOCUS option. The generated statements are
in the SYSCNTL data set.

User response: Use the SYSCNTL statements as an external FOCUS file
definition to read the unloaded data directly into a FOCUS execution run.

**BMC51852I**

`SENGNAME=tableName,$`

*Explanation:* Messages BMC51850 through BMC51863 are echoed FOCUS
external file description statements that UNLOAD PLUS generated because
you specified the CNTLCARDS FOCUS option. The generated statements are
in the SYSCNTL data set.

*User response:* Use the SYSCNTL statements as an external FOCUS file
definition to read the unloaded data directly into a FOCUS execution run.

**BMC51854I**

`FIELDNAME=columnName,ALIAS=,USAGE=Ann,ACTUAL=Ann,$`

*Explanation:* Messages BMC51850 through BMC51863 are echoed FOCUS
external file description statements that UNLOAD PLUS generated because
you specified the CNTLCARDS FOCUS option. The generated statements are
in the SYSCNTL data set.

*User response:* Use the SYSCNTL statements as an external FOCUS file
definition to read the unloaded data directly into a FOCUS execution run.

**BMC51855I**

`FIELDNAME=columnName,ALIAS=,USAGE=TX16,ACTUAL=TX,$`

*Explanation:* Messages BMC51850 through BMC51863 are echoed FOCUS
external file description statements that UNLOAD PLUS generated because
you specified the CNTLCARDS FOCUS option. The generated statements are
in the SYSCNTL data set.

*User response:* Use the SYSCNTL statements as an external FOCUS file
definition to read the unloaded data directly into a FOCUS execution run.

**BMC51857I**

`FIELDNAME=columnName,ALIAS=,USAGE=Pnn.nn,ACTUAL=Znn,$`

*Explanation:* Messages BMC51850 through BMC51863 are echoed FOCUS
external file description statements that UNLOAD PLUS generated because
you specified the CNTLCARDS FOCUS option. The generated statements are
in the SYSCNTL data set.

*User response:* Use the SYSCNTL statements as an external FOCUS file
definition to read the unloaded data directly into a FOCUS execution run.

**BMC51858I**

`FIELDNAME=columnName,ALIAS=,USAGE=Pnn.nn,ACTUAL=Pnn,$`

*Explanation:* Messages BMC51850 through BMC51863 are echoed FOCUS
external file description statements that UNLOAD PLUS generated because
you specified the CNTLCARDS FOCUS option. The generated statements are
in the SYSCNTL data set.

*User response:* Use the SYSCNTL statements as an external FOCUS file
definition to read the unloaded data directly into a FOCUS execution run.
Explanation: Messages BMC51850 through BMC51863 are echoed FOCUS external file description statements that UNLOAD PLUS generated because you specified the CNTLCARDS FOCUS option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL statements as an external FOCUS file definition to read the unloaded data directly into a FOCUS execution run.

BMC51860I  
FIELDNAME=columnName,ALIAS=,USAGE=D15,ACTUAL=Dnn,$

Explanation: Messages BMC51850 through BMC51863 are echoed FOCUS external file description statements that UNLOAD PLUS generated because you specified the CNTLCARDS FOCUS option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL statements as an external FOCUS file definition to read the unloaded data directly into a FOCUS execution run.

BMC51861I  
FIELDNAME=columnName,ALIAS=,USAGE=I1n,ACTUAL=I1n,$

Explanation: Messages BMC51850 through BMC51863 are echoed FOCUS external file description statements that UNLOAD PLUS generated because you specified the CNTLCARDS FOCUS option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL statements as an external FOCUS file definition to read the unloaded data directly into a FOCUS execution run.

BMC51862I  
FIELDNAME=NULLn,ALIAS=,USAGE=A1,ACTUAL=A1,$

Explanation: Messages BMC51850 through BMC51863 are echoed FOCUS external file description statements that UNLOAD PLUS generated because you specified the CNTLCARDS FOCUS option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL statements as an external FOCUS file definition to read the unloaded data directly into a FOCUS execution run.

BMC51863I  
FIELDNAME=VARLENn,ALIAS=,USAGE=I3,ACTUAL=I2,$

Explanation: Messages BMC51850 through BMC51863 are echoed FOCUS external file description statements that UNLOAD PLUS generated because you specified the CNTLCARDS FOCUS option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL statements as an external FOCUS file definition to read the unloaded data directly into a FOCUS execution run.
**BMC51870I**  
`%%%LOGON 0/USERID,PASSWORD;`

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

**BMC51871I**  
`{CREATE | DROP} TABLE tableName;`

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

**BMC51872I**  
`, columnName columnType options`

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

**BMC51873I**  
`, columnName columnType(length) options`

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

**BMC51874I**  
`installationOption , columnName columnType(length, scale) options`

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

**BMC51875I**  
`ADD columnName columnType options;`

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.
Explanation: Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

User response: Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.
**BMC51883I**  
**DEFINE %**

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

---

**BMC51884I**  
**%% : %%**

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

---

**BMC51885I**  
**INDICATORS OFF; %**

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

---

**BMC51886W**  
**%===== WARNING: 'columnName' IS AN INVALID COLUMN % % %**

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

---

**BMC51887I**  
**DDNAME = ddname;**

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

---

**BMC51888I**  
**INSERT INTO tableName VALUES**

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.
BMC51889I \( \text{.columnName (columnType)} \)

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTL CARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

BMC51890I \( \text{.FIELD columnName % columnType;} \)

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTL CARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

BMC51891I \( \text{.columnName (columnType(length))} \)

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTL CARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

BMC51892I \( \text{.FIELD columnName % columnType(length);} \)

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTL CARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

BMC51893I \( \text{.columnName (columnType(length, scale))} \)

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTL CARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

BMC51894I \( \text{.FIELD columnName % columnType(length, scale);} \)

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTL CARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.
Messages BMC51900 through BMC51999

For the UNLOAD PLUS for DB2 product, this topic explains each message in the designated range.
BMC51900I  %LOGOFF;

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

BMC51901I  .BEGIN IMPORT MLOAD TABLES tableName;

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

BMC51902I  .LAYOUT recordID;

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

BMC51903I  .IMPORT INFILE ddname LAYOUT recordID APPLY INSERT;

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

BMC51904I  .END MLOAD; %

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

BMC51905I  %=====> MAXIMUM COLUMNS EXCEEDED, COL # IS columnName. %

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.
**BMC51906I**  
**ALTER TABLE** `tableName`  

*Explanation:* Messages BMC51870I through BMC51906I are echoed Teradata load utility statements that UNLOAD PLUS produced because you specified a CNTLCARDS TERADATA option.  

*User response:* Use these statements (which were written to SYSCNTL) as input to one of the Teradata load utilities.

---

**BMC51910W**  
**! WARNING: warningMessageComment**  

*Explanation:* Messages BMC51910W through BMC51917I are echoed Nomad External Master definition statements that UNLOAD PLUS produced because you specified a CNTLCARDS NOMAD option.  

*User response:* Use these statements (which were written to SYSCNTL) as an Nomad External Master definition to read the unloaded data directly into Nomad execution run.

---

**BMC51911I**  
**MASTER name DDNAME ddname TYPE QSAM;**  

*Explanation:* Messages BMC51910W through BMC51917I are echoed Nomad External Master definition statements that UNLOAD PLUS produced because you specified a CNTLCARDS NOMAD option.  

*User response:* Use these statements (which were written to SYSCNTL) as an Nomad External Master definition to read the unloaded data directly into Nomad execution run.

---

**BMC51912I**  
**comment**  

*Explanation:* Messages BMC51910W through BMC51917I are echoed Nomad External Master definition statements that UNLOAD PLUS produced because you specified a CNTLCARDS NOMAD option.  

*User response:* Use these statements (which were written to SYSCNTL) as an Nomad External Master definition to read the unloaded data directly into Nomad execution run.

---

**BMC51913I**  
**ITEM columnName columnType length**  

*Explanation:* Messages BMC51910W through BMC51917I are echoed Nomad External Master definition statements that UNLOAD PLUS produced because you specified a CNTLCARDS NOMAD option.  

*User response:* Use these statements (which were written to SYSCNTL) as an Nomad External Master definition to read the unloaded data directly into Nomad execution run.
**BMC51914I**  
**ITEM columnName columnType length scale %**

*Explanation:* Messages BMC51910W through BMC51917I are echoed Nomad External Master definition statements that UNLOAD PLUS produced because you specified a CNTLCARDS NOMAD option.

*User response:* Use these statements (which were written to SYSCNTL) as an Nomad External Master definition to read the unloaded data directly into Nomad execution run.

**BMC51915I**  
**ITEM NULL.nn An;**

*Explanation:* Messages BMC51910W through BMC51917I are echoed Nomad External Master definition statements that UNLOAD PLUS produced because you specified a CNTLCARDS NOMAD option.

*User response:* Use these statements (which were written to SYSCNTL) as an Nomad External Master definition to read the unloaded data directly into Nomad execution run.

**BMC51916I**  
**ITEM VARLENnn INTERNAL I2;**

*Explanation:* Messages BMC51910W through BMC51917I are echoed Nomad External Master definition statements that UNLOAD PLUS produced because you specified a CNTLCARDS NOMAD option.

*User response:* Use these statements (which were written to SYSCNTL) as an Nomad External Master definition to read the unloaded data directly into Nomad execution run.

**BMC51917I**  
**ITEM columnName columnType length scale %% SETFORM Znn.nn;**

*Explanation:* Messages BMC51910W through BMC51917I are echoed Nomad External Master definition statements that UNLOAD PLUS produced because you specified a CNTLCARDS NOMAD option.

*User response:* Use these statements (which were written to SYSCNTL) as an Nomad External Master definition to read the unloaded data directly into Nomad execution run.

**BMC51920I**  
**CREATE TABLE tableName**

*Explanation:* Messages BMC51920I through BMC51923I are echoed SQL/DS CREATE TABLE DDL statements that UNLOAD PLUS generated because you specified either the CNTLCARDS SQL/DS or CNTLCARDS SQL/DS-DDL options. The generated statements are in the SYSCNTL data set.

*User response:* Use the SYSCNTL data set as input DDL to create an SQL/DS table.

**BMC51921I**  
**.columnName columnType options**

*Explanation:* Messages BMC51920I through BMC51923I are echoed SQL/DS CREATE TABLE DDL statements that UNLOAD PLUS generated because you
specified either the CNTLCARDS SQL/DS or CNTLCARDS SQL/DS-DDL options. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input DDL to create an SQL/DS table.

BMC51922I  
\[\text{columnName columnType (length) options}\]

Explanation: Messages BMC51920I through BMC51923I are echoed SQL/DS CREATE TABLE DDL statements that UNLOAD PLUS generated because you specified either the CNTLCARDS SQL/DS or CNTLCARDS SQL/DS-DDL options. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input DDL to create an SQL/DS table.

BMC51923I  
\[\text{columnName columnType(length, scale) options}\]

Explanation: Messages BMC51920I through BMC51923I are echoed SQL/DS CREATE TABLE DDL statements that UNLOAD PLUS generated because you specified either the CNTLCARDS SQL/DS or CNTLCARDS SQL/DS-DDL options. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input DDL to create an SQL/DS table.

BMC51924I  
\[\text{DATALOAD TABLE (tableName)}\]

Explanation: Messages BMC51924I through BMC51934I are echoed SQL/DS DATA LOAD utility statements that UNLOAD PLUS generated because you specified either the CNTLCARDS SQL/DS or CNTLCARDS SQL/DS-LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to the SQL/DS DATA LOAD utility to load an existing SQL/DS table with the unloaded data.

BMC51925I  
\[\text{DATALOAD TABLE (tableName) IF POS (start-end) = '%%'}\]

Explanation: Messages BMC51924I through BMC51934I are echoed SQL/DS DATA LOAD utility statements that UNLOAD PLUS generated because you specified either the CNTLCARDS SQL/DS or CNTLCARDS SQL/DS-LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to the SQL/DS DATA LOAD utility to load an existing SQL/DS table with the unloaded data.

BMC51926I  
\[\text{columnName start-end %%}\]

Explanation: Messages BMC51924I through BMC51934I are echoed SQL/DS DATA LOAD utility statements that UNLOAD PLUS generated because you specified either the CNTLCARDS SQL/DS or CNTLCARDS SQL/DS-LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to the SQL/DS DATA LOAD utility to load an existing SQL/DS table with the unloaded data.
NULL IF POS(nn) = '?

Explanation: Messages BMC51924I through BMC51934I are echoed SQL/DS DATA LOAD utility statements that UNLOAD PLUS generated because you specified either the CNTLCARDS SQL/DS or CNTLCARDS SQL/DS-LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to the SQL/DS DATA LOAD utility to load an existing SQL/DS table with the unloaded data.

columnName start-end %%

Explanation: Messages BMC51924I through BMC51934I are echoed SQL/DS DATA LOAD utility statements that UNLOAD PLUS generated because you specified either the CNTLCARDS SQL/DS or CNTLCARDS SQL/DS-LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to the SQL/DS DATA LOAD utility to load an existing SQL/DS table with the unloaded data.

columnName start-end %%(%%)

Explanation: Messages BMC51924I through BMC51934I are echoed SQL/DS DATA LOAD utility statements that UNLOAD PLUS generated because you specified either the CNTLCARDS SQL/DS or CNTLCARDS SQL/DS-LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to the SQL/DS DATA LOAD utility to load an existing SQL/DS table with the unloaded data.

VARLENnn start-end INTEGER

Explanation: Messages BMC51924I through BMC51934I are echoed SQL/DS DATA LOAD utility statements that UNLOAD PLUS generated because you specified either the CNTLCARDS SQL/DS or CNTLCARDS SQL/DS-LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to the SQL/DS DATA LOAD utility to load an existing SQL/DS table with the unloaded data.

INFILE (fileName)

Explanation: Messages BMC51924I through BMC51934I are echoed SQL/DS DATA LOAD utility statements that UNLOAD PLUS generated because you specified either the CNTLCARDS SQL/DS or CNTLCARDS SQL/DS-LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to the SQL/DS DATA LOAD utility to load an existing SQL/DS table with the unloaded data.
specified either the CNTLCARDS SQL/DS or CNTLCARDS SQL/DS-LOAD option. The generated statements are in the SYSCNTL data set.

*User response:* Use the SYSCNTL data set as input to the SQL/DS DATA LOAD utility to load an existing SQL/DS table with the unloaded data.

**BMC51933I**  
`columnName start-end %% NULL IF POS(nn) = '?'`

*Explanation:* Messages BMC51924I through BMC51934I are echoed SQL/DS DATA LOAD utility statements that UNLOAD PLUS generated because you specified either the CNTLCARDS SQL/DS or CNTLCARDS SQL/DS-LOAD option. The generated statements are in the SYSCNTL data set.

*User response:* Use the SYSCNTL data set as input to the SQL/DS DATA LOAD utility to load an existing SQL/DS table with the unloaded data.

**BMC51934I**  
`columnName start-end %%(%%) NULL IF POS(nn) = '?'`

*Explanation:* Messages BMC51924I through BMC51934I are echoed SQL/DS DATA LOAD utility statements that UNLOAD PLUS generated because you specified either the CNTLCARDS SQL/DS or CNTLCARDS SQL/DS-LOAD option. The generated statements are in the SYSCNTL data set.

*User response:* Use the SYSCNTL data set as input to the SQL/DS DATA LOAD utility to load an existing SQL/DS table with the unloaded data.

**BMC51935W**  
IF POS VALUE (value) WILL NOT FIT ON ONE DATALOAD CONTROL STATEMENT

*Explanation:* UNLOAD PLUS issues this message when you specify either CNTLCARDS SQL/DS or CNTLCARDS SQL/DS-LOAD, and the table name that you provided in your INTO statement contains too many characters to allow it and the POS value to fit on one DATALOAD control statement.

*User response:* Specify a shorter table name in your INTO statement.

**BMC51936I**  
LOAD DATA INDSN ('dataSetName')

*Explanation:* Messages 51936 and 51937 pertain to the generation of the LOADPLUS format INDSN(DSN,...,DSN) in load control cards when UNLOAD PLUS is dynamically allocating any primary unload data set and you have specified CNTLCARDS BMCLOAD.

*User response:* Use the SYSCNTL data set as input to LOADPLUS to load an existing DB2 table with the unloaded data.

**BMC51937I**  
', dataSetName'

*Explanation:* Messages 51936 and 51937 pertain to the generation of the LOADPLUS format INDSN(DSN,...,DSN) in load control cards when UNLOAD PLUS is dynamically allocating any primary unload data set and you have specified CNTLCARDS BMCLOAD.

*User response:* Use the SYSCNTL data set as input to LOADPLUS to load an existing DB2 table with the unloaded data.
**BMC51940I**

**encodingScheme CCSID(sbcs,mixed,dbcs)**

*Explanation:* This message echoes a DB2 LOAD utility statement that UNLOAD PLUS generated because you specified or defaulted to the CNTLCARDS BMCLOAD, CNTLCARDS DB2, or CNTLCARDS DB2LOAD option. The generated statement is in the SYSCNTL data set.

*User response:* Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

**BMC51941I**

**WHEN (1:columnLength) = X'hexConstant'**

*Explanation:* Messages BMC51941 through BMC51947 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified the FORMAT CSV option. The generated statements are in the SYSCNTL data set.

*User response:* Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

**BMC51942I**

**NULLIF BMC_NULL n = X'3F'**

*Explanation:* Messages BMC51941 through BMC51947 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified the FORMAT CSV option. The generated statements are in the SYSCNTL data set.

*User response:* Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

**BMC51943I**

**X'hexConstant'**

*Explanation:* Messages BMC51941 through BMC51947 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified the FORMAT CSV option. The generated statements are in the SYSCNTL data set.

*User response:* Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

**BMC51945I**

**FORMAT CSV TERMINATEDBY character ENCLOSEDBY character AND character**

*Explanation:* Messages BMC51941 through BMC51947 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified the FORMAT CSV option. The generated statements are in the SYSCNTL data set.

*User response:* Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

**BMC51946I**

**NULLIF columnName = 'nullstring'**

*Explanation:* Messages BMC51941 through BMC51947 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified the FORMAT CSV option. The generated statements are in the SYSCNTL data set.

*User response:* Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.
BMC51947I columnName POSITION(*) columnType
Explanation: Messages BMC51941 through BMC51947 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified the FORMAT CSV option. The generated statements are in the SYSCNTL data set.
User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

BMC51950I LOAD CONTROL CARDS GENERATED WITH 'FORMAT CSV' ARE ONLY VALID WITH LOADPLUS for DB2.
Explanation: When you specify FORMAT CSV, UNLOAD PLUS generates load control cards that are valid only for the BMC product LOADPLUS for DB2.
User response: No action is required.

BMC51955I FORMAT format
Explanation: UNLOAD PLUS issues this message when it is generating control cards for LOADPLUS and the format is not standard.
User response: No action is required.

BMC51956I WHEN TABLE= obid
Explanation: Messages BMC51955 through BMC51956 are echoed BMCLOAD utility statements that UNLOAD PLUS generated because you specified the FORMAT BMCLOAD option. The generated statements are in the SYSCNTL data set.
User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

BMC51957I LOAD CONTROL CARDS NOT GENERATED FOR 'FORMAT CSV' BECAUSE CNTLCARDS BMCLOAD NOT SPECIFIED
Explanation: UNLOAD PLUS does not generate load control cards for FORMAT CSV unless you specify CNTLCARDS BMCLOAD.
User response: If you want control cards for FORMAT CSV, specify CNTLCARDS BMCLOAD.

BMC51960I columnName POSITION(start:end) columnType
Explanation: Messages BMC51960 through BMC51967 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified the CNTLCARDS DB2 or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.
User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

BMC51961I columnName POSITION(*) columnType
Explanation: Messages BMC51960 through BMC51967 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified the
CNTLCARDS DB2 or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

**BMC51962I**

`columnName POSITION(start:end) columnType (length)`

Explanation: Messages BMC51960 through BMC51967 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified the CNTLCARDS DB2 or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

**BMC51963I**

`columnName POSITION(*) columnType (length)`

Explanation: Messages BMC51960 through BMC51967 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified the CNTLCARDS DB2 or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

**BMC51964I**

`columnName POSITION(start:end) columnType (length, scale)`

Explanation: Messages BMC51960 through BMC51967 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified the CNTLCARDS DB2 or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

**BMC51965I**

`columnName POSITION(*) columnType (length, scale)`

Explanation: Messages BMC51960 through BMC51967 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified the CNTLCARDS DB2 or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.

**BMC51966I**

`columnName POSITION(start:end) columnType (length) columnSubtype`

Explanation: Messages BMC51960 through BMC51967 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified the CNTLCARDS DB2 or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.
BMC51967I columnName POSITION(start: end) columnType columnSubtype

Explanation: Messages BMC51960 through BMC51967 are echoed DB2 LOAD utility statements that UNLOAD PLUS generated because you specified the CNTLCARDS DB2 or CNTLCARDS DB2LOAD option. The generated statements are in the SYSCNTL data set.

User response: Use the SYSCNTL data set as input to a LOAD utility to load an existing DB2 table with the unloaded data.
Messages BMC52200 through BMC52699

This group includes messages for the CHECK PLUS for DB2 product.

Messages BMC52200 through BMC52299

For the CHECK PLUS for DB2 product, this topic explains each message in the designated range.

BMC52201E INDEX 'indexName' DOES NOT INDEX A TABLE IN 'databaseName.tableSpaceName'

Explanation: CHECK PLUS did not find a table in the indicated table space for the indicated index.

User response: Ensure that the correct object names were specified in the CHECK job. Correct the error and resubmit the job.

BMC52202E NO INDEXES FOUND FOR databaseName.tableSpaceName

Explanation: CHECK PLUS did not find any indexes for the indicated table space.

User response: Ensure that the correct object names were specified in the CHECK job. Correct the error and resubmit the job.

BMC52203E TABLE 'tableCreator.tableName' NOT FOUND

Explanation: A table specified in the RULES option does not exist in the indicated table space or table space set.

User response: Ensure that the correct object names were specified in the CHECK job. Correct the error and resubmit the job.

BMC52204E VERIFY OPTION REQUIRES CHECKTSLEVEL 2

Explanation: The CHECK job included the VERIFY option under the RULES option but CHECKTSLEVEL2 was not specified.

User response: Correct the error and resubmit the job.
BMC52205E  CONSTRAINT  tableCreator.tableName.constraintName  IS  AN RI CONSTRAINT.  RUN  CHECK DATA

Explanation: The CONSTRAINT option was specified for an RI constraint for CHECK TABLESPACE or CHECK INDEX. You can specify only table check constraints in a constraint list for CHECK TABLESPACE or CHECK INDEX.

User response: Run CHECK DATA to process this RI constraint.

BMC52206E  CONSTRAINT  tableCreator.tableName.constraintName  NOT FOUND

Explanation: CHECK PLUS did not find the indicated constraint in the specified table space or table space set.

User response: Ensure that the correct object names were specified in the CHECK job. Correct the error and resubmit the job.

BMC52207E  PART OPTION NOT VALID WITH TABLESPACESET

Explanation: PART and TABLESPACESET are mutually exclusive options. You can specify only one or the other.

User response: Correct the error and resubmit the job.

BMC52208E  PART OPTION NOT VALID WITH NON-PARTITIONED INDEX

indexCreator.indexName

Explanation: The CHECK INDEX command included the PART option and the indicated index is not partitioned.

User response: Correct the error and resubmit the job.

BMC52209E  'CHECKTSLEVEL 0' NOT VALID WITH CHECK objectType

Explanation: CHECKTSLEVEL 0 is valid only when you specify CHECK INDEX or CHECK DATA. CHECKIXLEVEL 0 is valid only when you specify CHECK DATA.

User response: Correct the error and resubmit the job.

BMC52210E  'VERIFY(COND)' NOT VALID WITH CHECK INDEX LEVEL 1

Explanation: The VERIFY option is valid only when you also specify CHECKIXLEVEL 2.

User response: Correct the error and resubmit the job.

BMC52211E  MAX 'CHECKIXLEVEL' ALLOWED WITH CHECK DATA IS 1

Explanation: For CHECK DATA, CHECKIXLEVEL must be 0 or 1.

User response: Correct the error and resubmit the job.

BMC52212I  'VERIFY' CANNOT BE PERFORMED IF THE UTILITY USES AN INDEX TO EXTRACT KEYS

Explanation: CHECK PLUS uses either a table space or an index space to extract keys for CHECK DATA processing. If you use an index space, CHECK
PLUS cannot check the condition that you specified in the VERIFY option. CHECK PLUS reports the objects used in messages BMC52602I and BMC52603I.

**User response:** If you want to ensure that the verification is performed, specify the VERIFY option with CHECK TABLESPACE instead.

**BMC52213E**  
**TABLESPACE 'databaseName.tableName' CONTAINS NO TABLES**  
**Explanation:** The table space indicated in the message contains no tables.  
**User response:** Ensure that the correct object names were specified in the CHECK job. Correct the error and resubmit the job.

**BMC52214E**  
**USER PRIMARY KEY COLUMN 'columnName' NOT FOUND IN TABLE 'tableCreator.tableName'**  
**Explanation:** The indicated user primary key column is not valid.  
**User response:** Ensure that the correct object names were specified in the CHECK job. Correct the error and resubmit the job.

**BMC52215W**  
**CONSTRAINT tableCreator.tableName.constraintName WILL NOT BE PROCESSED**  
**Explanation:** CHECK PLUS cannot process this check constraint.  
**User response:** See the user responses for the messages preceding this one.

**BMC52216W**  
**USER PK FOR TABLE tableName DOES NOT HAVE A MATCHING UNIQUE INDEX**  
**Explanation:** The indicated table does not have a unique index with columns that match those specified in the user primary key.  
**User response:** No action is required.

**BMC52217E**  
**USER PK FOR TABLE 'tableCreator.tableName' NOT VALID. TABLE NOT FOUND IN THE TS(SET)**  
**Explanation:** The primary key specified for the indicated table in the RULES option is not valid because the table does not exist.  
**User response:** Ensure that the primary key and table space are specified correctly and resubmit the job.

**BMC52218E**  
**TABLESPACE 'databaseName.tableSpaceName' IS A DUPLICATE**  
**Explanation:** The indicated table space is listed more than once in the list of table spaces on the CHECK DATA command.  
**User response:** Remove the duplicate table space name and resubmit the job.
BMC52220I  MESSAGES FOR objectType SPACE 'databaseName.tableName' PART partitionNumber PAGE pageNumber
Explanation: This header precedes subsequent messages for the identified page. This page is in a partitioned table space.
User response: No action is required.

BMC52221I  MESSAGES FOR objectType SPACE 'databaseName.tableName' PAGE pageNumber
Explanation: This header precedes subsequent messages for the identified page. This page is in a nonpartitioned table space.
User response: No action is required.

BMC52230I  MAX TASKS = t, MAX PARTS/TASK = p, SORTWKS/TASK = s, MAX OPEN PARTS/TASK = p/t, MAX INDEXES/TASK = l/t
Explanation: This message describes the information that CHECK PLUS has determined that it will use to perform processing. CHECK PLUS produces this message only if you specified MSGLEVEL(1).

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>t</td>
<td>The maximum number of tasks that CHECK PLUS can run concurrently. The number of tasks does not include other processes that always use a single task.</td>
</tr>
<tr>
<td>p</td>
<td>The maximum number of partitions that CHECK PLUS can process per task based on the available resources. The actual number of partitions processed per task might be fewer than the number shown in this message.</td>
</tr>
<tr>
<td>s</td>
<td>The number of SORTWK data sets used per task</td>
</tr>
<tr>
<td>p/t</td>
<td>The maximum number of open partitions per task</td>
</tr>
<tr>
<td>l/t</td>
<td>The maximum number of indexes per task</td>
</tr>
</tbody>
</table>

User response: No action is required. However, you can use this information to help improve performance. For more information about performance tuning, see Chapter 6 of the CHECK PLUS for DB2 Reference Manual.

BMC52233E  DSPSERV ERROR ATTEMPTING task (n BLOCKS) RC= returnCode, RS= reasonCode
Explanation: A data space services error occurred.
User response: Contact BMC Customer Support.
CHECK STATISTICS: \( n \) ROWS PROCESSED FOR TABLE

\`tableCreator.tableName\`

**Explanation:** This message indicates the number of rows checked for the indicated table.

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

CHECK STATISTICS: \( n \) ROWS PROCESSED FOR PARTITION

\`partitionNumber\` ONLY IF PARTITIONED

**Explanation:** This message indicates the number of rows checked for the indicated partition of a partitioned table space.

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

CHECK STATISTICS: \( n \) ROWS PROCESSED FOR SPACE

\`databaseName.spaceName\`

**Explanation:** This message indicates the number of rows checked for the indicated space.

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

XBLKS = \( b \), XFERS = \( t \), EMPTY WAITS = \( w \), FULL WAITS = \( f \)

**Explanation:** This message provides statistics that CHECK PLUS gathered during index work record creation.

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>( b )</td>
<td>The number of transfer blocks used</td>
</tr>
<tr>
<td>( t )</td>
<td>The number of block transfers</td>
</tr>
<tr>
<td>( w )</td>
<td>The number of empty block wait counts</td>
</tr>
<tr>
<td>( f )</td>
<td>The number of full block wait counts</td>
</tr>
</tbody>
</table>

**User response:** No action is required. However, you can use this information to help improve CHECK PLUS performance.

\( n \) ENTRIES CHECKED FOR (PGSIZE \( nK\[, \) COMPRESSED\]) INDEX

\`indexCreator.indexName\`, \( n \) ERRORS

**Explanation:** This message reports the following information for the indicated index:

- number of entries checked
- index page size
- number of errors detected
If the index is compressed, the message displays COMPRESSED next to the page size.

User response: No action is required.

**BMC52286I**

**taskNumber: CHECKING OF DATASET 'dataSetName' READ n PAGES**

Explanation: During check processing, CHECK PLUS read n pages from the indicated data set.

User response: No action is required.

**BMC52287I**

**CHECK STATISTICS: n ROWS PROCESSED WITH OBID obid**

Explanation: This message is issued subsequent to multiple occurrences of message BMC52444I or message BMC52407I, which indicate an OBID segment entry mismatch. For the indicated OBID, CHECK PLUS found the indicated number of OBID mismatches. Rather than issuing individual messages for each row, CHECK PLUS summarizes the OBID mismatch errors.

User response: No action is required.

**BMC52288I**

**CHECK ERROR SUMMARY: PAGE EXCEPTIONS - n, CONSTRAINT VIOLATIONS - n**

Explanation: During check processing, CHECK PLUS found the indicated number of page errors or constraint violations. Additional messages will accompany this summary message that provide details on the page errors or constraint violations.

User response: No action is required.

**Messages BMC52300 through BMC52399**

For the CHECK PLUS for DB2 product, this topic explains each message in the designated range.

**BMC52332I**

**COMMIT RATE n, STARTING AT RECORD # recordNumber**

Explanation: The CHECK PLUS-provided SQL batch execution program (ACKESQL) issues this message. It indicates that CHECK PLUS issues a commit for every n statements executed and starts processing the input file at the indicated record number. This message reflects the execution parameter values that you specified for ACKESQL.

User response: No action is required.
BMC52333I COMMIT PERFORMED AFTER RECORD # recordNumber

Explanation: The CHECK PLUS-provided SQL batch execution program (ACKESQL) issues this message. It indicates that a commit was performed after the indicated record number.

User response: No action is required.

BMC52334I PLANNAME = planName, DB2 SUBSYSTEM ID = ssid

Explanation: The CHECK PLUS-provided SQL batch execution program (ACKESQL) issues this message. It reflects the execution parameter values that you specified for ACKESQL.

User response: No action is required.

BMC52335I SQLDeleteStatement

Explanation: The CHECK PLUS-provided SQL batch execution program (ACKESQL) issues this message. It echoes the SQL DELETE statement that ACKESQL executed.

User response: No action is required.

BMC52336I STATEMENTS EXECUTED = n, THRU RECORD # = recordNumber

Explanation: The CHECK PLUS-provided SQL batch execution program (ACKESQL) issues this message upon completion. It specifies the number of executed statements and the record number of the last statement read.

User response: No action is required.

BMC52337I STATEMENT TOO LONG

Explanation: The CHECK PLUS-provided SQL batch execution program (ACKESQL) issues this message when an SQL statement exceeds 32K. This error can occur if you did not specify a statement terminator.

User response: Specify a statement terminator if needed and resubmit the job.

BMC52338I ****------> STATEMENT CAUSED A MASS DELETE

Explanation: The CHECK PLUS-provided SQL batch execution program (ACKESQL) issues this message when an SQL DELETE statement deletes all rows in the corresponding table. It is issued in conjunction with message BMC52335I.

User response: No action is required.

BMC52339I ****------> STATEMENT AFFECTED n ROWS

Explanation: The CHECK PLUS-provided SQL batch execution program (ACKESQL) issues this message when an SQL DELETE statement deletes more than one row. It indicates that the SQL DELETE statement, echoed in message BMC52335I, deleted n rows.

User response: No action is required.
BMC52340I USING RECORD LENGTH -> recordLength

Explanation: The CHECK PLUS-provided SQL batch execution program (ACKESQL) issues this message. The message indicates the length of the portion of the input records (SQL DELETE statements) that ACKESQL is using.

User response: No action is required.

Messages BMC52400 through BMC52499

For the CHECK PLUS for DB2 product, this topic explains each message in the designated range.

Note

For CHECK PLUS messages BMC52401 through BMC52599, you can change the severity indicator to result in a different return code. You can also have a message omitted from the SYSPRINT listing. For details, see the MSGSEV installation option described in the CHECK PLUS for DB2 Reference Manual.

BMC52401W PGCOMB INCONSISTENT WITH TRAILER BYTE

Explanation: CHECK PLUS found that the fourth bit in the PGCOMB field is inconsistent with the page trailer byte for this page, indicating that the page might not have been successfully written.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52402W UNEXPECTED PNUMBER pageNumber

Explanation: CHECK PLUS found an unexpected page number on this page. The message specifies the page number found.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52403W PGLOGRBA (pageLogRBA) GREATER THAN CURRENT DB2 LOGRBA (DB2LogRBA)

Explanation: CHECK PLUS found that the value in the PGLOGRBA field is greater than the current RBA of the DB2 log for this page. (PGLOGRBA provides the log RBA of the last page update.)

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.
BMC52404W  PGFLAGS BROKEN BIT IS ON, INCONSISTENT PAGE DATA

Explanation: CHECK PLUS found the first bit on in the PGFLAGS field, indicating that this page contains inconsistent data.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52405I  PGFLAGS (’value1’) INCONSISTENT, EXPECTED ’value2’

Explanation: CHECK PLUS expected to find value2 indicated in the message in the PGFLAGS field for this page, but instead found value1.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52406I  CATALOG DBID/PSID (dbid,psid) DOES NOT MATCH HEADER PAGE DBID/PSID (dbid,psid)

Explanation: CHECK PLUS found that values in fields HPGDBID (database identifier) and HPGPSID (object identifier) for this header page do not match those found in the DB2 catalog.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52407I  OBID (obid) OF ROW AT OFFSET offset DOES NOT MATCH OBID OF ANY TABLE IN THIS TABLESPACE

Explanation: CHECK PLUS found that the OBID (object identifier) for a row at the indicated offset does not match the OBID of any table in this table space.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52408I  PGCOMB INDICATES PAGE WAS READ WITH I/O ERROR

Explanation: CHECK PLUS found the first bit on in the PGCOMB field of this page, indicating that the page was read with an I/O error.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52409I  PGCOMB INDICATES PAGE MODIFIED BY REPAIR UTILITY

Explanation: CHECK PLUS found the second bit on in the PGCOMB field of this page, indicating that the page was modified by the REPAIR utility.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52410I  FOSMONENT (value1) NOT VALID, SHOULD BE value2

Explanation: While checking a simple or partitioned table space, CHECK PLUS found an invalid value for the FOSMONENT field. The message indicates the
value that should be in FOSMNENT, based on the page size recorded in the DB2 catalog.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52411I**

**FOSMLENT (value1) GREATER THAN FOSMNENT (value2)**

_Explanation:_ While checking a simple or partitioned table space, CHECK PLUS found an invalid value for the last used entry in the space map, as indicated in the FOSMLENT field.

_User response:_ This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52412I**

**SEGENT (value1) INVALID. MAX value2**

_Explanation:_ While checking a segmented table space, CHECK PLUS found that the value in the SEGENT field (the first free segment entry number) exceeds the maximum valid value. The message indicates the maximum value.

_User response:_ This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52413I**

**SEGSIZE = segsize1, SHOULD BE segsize2**

_Explanation:_ While checking a segmented table space, CHECK PLUS found an invalid segment size in the space map, indicated in the SEGSIZE field. The message indicates the actual segment size.

_User response:_ This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52414I**

**SEGNUM = segnum1, SHOULD BE segnum2**

_Explanation:_ While checking a segmented table space, CHECK PLUS found an invalid number of segment entries in the space map, indicated in the SEGNUM field. The message displays the actual number of segment entries.

_User response:_ This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52415I**

**SEGFREE = segfree, COUNT OF UNALLOCATED ENTRIES = n**

_Explanation:_ While checking a segmented table space, CHECK PLUS found an invalid number of free segment entries for this page in the space map, indicated in the SEGFREE field. The message displays the actual number of unallocated entries.

_User response:_ This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52416I**

**SEGENT = segent, ACTUAL 1ST FREE SEGMENT ENTRY = value**

_Explanation:_ While checking a segmented table space, CHECK PLUS found that the SEGENT does not point to the actual first free segment entry in the
space map, indicated in the SEGENT field. The message displays the actual first free segment entry.

*User response:* No action is required.

**BMC52417I**  
**SEGLENT = seglent1, SHOULD BE seglent2**

*Explanation:* While checking a segmented table space, CHECK PLUS found that the SEGLENT does not contain the actual relative page number for the last formatted page within the scope of the space map, indicated in the SEGLENT field. The message displays the actual relative page number for the last formatted page.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52418I**  
**SEGMENT ENTRY AT OFFSET offset HAS INVALID OBID obid**

*Explanation:* While checking a space map for a segmented table space, CHECK PLUS found a segment entry with an invalid OBID. The message specifies the offset and the invalid OBID value.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52419I**  
**SEGNTRY segntry1 AT OFFSET offset CHAINS TO SEGTRY segntry2 WHICH IS ALREADY CHAINED TO SEGTRY segntry3**

*Explanation:* While checking a space map for a segmented table space, CHECK PLUS found an invalid chain structure involving the indicated segment entries.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52420I**  
**DIRTY PAGE BIT (value) INCONSISTENT WITH SPACE MAP PAGE MODIFY BIT (BYTE OFFSET offset BIT offset)**

*Explanation:* While checking a data page header, CHECK PLUS found that the seventh bit (dirty page bit) in the PFGLAGS field is not consistent with the modified-page indicator bit in the space map. The message specifies the offsets of the byte and the modified-page indicator bit.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52421I**  
**SEGNTRY segntry IS NOT ON ANY ACTIVE CHAIN**

*Explanation:* While checking space map segment entries for a segmented table space, CHECK PLUS found that the indicated segment entry is not on any active chain of segments.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.
BMC52422i  SEGNTRY  *segentry1* IS CHAINED TO SEGNTRY  *segentry2* BUT IS NOT ALLOCATED

Explanation: While checking space map segment entries for a segmented table space, CHECK PLUS found that the indicated *segentry1* is chained to *segentry2*, but the SEGALLC field of the space map for the first entry shows that it is not allocated.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52423i  LARGE HOLE AT OFFSET  *offset* NOT ON LARGE HOLE CHAIN

Explanation: CHECK PLUS found that the large hole at the indicated offset is not on the chain of large holes.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52424i  LOOP IN LARGE HOLE CHAIN STARTING WITH HOLE AT  *offset*

Explanation: CHECK PLUS found a loop in the large hole chain for this page, starting with the hole at the indicated offset.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52425i  ELEMENT AT OFFSET  *offset* HAS PGSID  *pgsid*. MAP ENTRY  *value* POINTS TO OFFSET  *offset*

Explanation: CHECK PLUS found that the element at the indicated offset on this page has an ID map entry (as indicated by the PGSID field) pointing to a different offset, also indicated in the message.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52426i  PAGE(S)  *n* -  *m* OF DATASET  ‘*datasetName*’ UNFORMATTED (ALL BYTES NULL)

Explanation: CHECK PLUS found that this page range is unformatted.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52427i  RECORD AT OFFSET  *offset* HAS BAD OR NO ID MAP ENTRY  *value*

Explanation: CHECK PLUS found that a record at the indicated offset either has an incorrect ID map entry (as indicated by the PGSID field) or has no entry.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52428i  PREV MAP PAGE#  *pageNumber* HAS INCONSISTENT FOSMLENT  *value*

Explanation: CHECK PLUS found that the previous space map page has a value in the FOSMLENT field (indicating the last used entry in the map) that is
inconsistent with the actual last used page within the scope of the previous space map.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52429I**

**FREE MAP ID value OFFSET offset IS NOT ON THE FREE CHAIN**

*Explanation:* CHECK PLUS found that a free map ID, identified by the indicated number at the indicated offset, is not on the free map ID chain.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52430I**

**AREA AT OFFSET offset POINTED TO BY MAP ENTRY value IS NOT A VALID RECORD TYPE**

*Explanation:* CHECK PLUS found a map ID entry that points to an offset that does not contain a valid record type for this page.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52431I**

**PGHOLE1 (value) DOES NOT POINT TO A LARGE HOLE**

*Explanation:* CHECK PLUS found that the PGHOLE1 value indicated for this data page does not point to a large hole.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52432I**

**CHAIN POINTER value FOR LARGE HOLE AT offset DOES NOT POINT TO A LARGE HOLE**

*Explanation:* CHECK PLUS found that the PGHCHAIN field for the large hole at the indicated offset does not point to a large hole.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52433I**

**LENGTH OF LARGE HOLES ON CHAIN (length1) IS NOT EQUAL TO LENGTH OF LARGE HOLES FOUND IN RECORD AREA (length2)**

*Explanation:* CHECK PLUS found that the sum of the length of the large holes on the large hole chain does not match the actual sum of the length of the large holes found in the record area of this page.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52434I**

**MAP ID AT OFFSET offset IS NOT FREE BUT ON FREE CHAIN**

*Explanation:* CHECK PLUS found that the map ID at the indicated offset is not free. However it is on the free chain.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Description</th>
<th>Explanation</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC52435I</td>
<td>PGMAXID <em>(value)</em> DIFFERS FROM ID MAP ENTRY COUNT <em>(n)</em></td>
<td><em>Explanation:</em> CHECK PLUS found that the number of ID map entries specified by the PGMAXID field is not the same as the actual count of entries. The message specifies the number it counted.</td>
<td><em>User response:</em> This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
<tr>
<td>BMC52436I</td>
<td>INCONSISTENT PGFREE OR PGFREEP</td>
<td><em>Explanation:</em> CHECK PLUS found that the total amount of free space in this data page (indicated by the PGFREE field) is not consistent with the actual total free space. The PGFREE value or the PGFREEP value might be incorrect.</td>
<td><em>User response:</em> This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
<tr>
<td>BMC52437I</td>
<td>ID MAP ENTRY value POINTS TO ELEMENT AT OFFSET offset WITH PGSID pgsid</td>
<td><em>Explanation:</em> CHECK PLUS found an inconsistency between the ID map entry number and the PGSID of the element at the indicated offset.</td>
<td><em>User response:</em> This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
<tr>
<td>BMC52438I</td>
<td>LARGE HOLE AT OFFSET offset HAS LENGTH OF ZERO</td>
<td><em>Explanation:</em> CHECK PLUS found that the large hole at the indicated offset has a length of zero. A large hole must have a minimum length of 5.</td>
<td><em>User response:</em> This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
<tr>
<td>BMC52439E</td>
<td>DUPLICATE SEGMENT CHAIN ANCHOR FOUND FOR tableCreator.tableName, ABS SEG# segmentNumber2 (1ST = segmentNumber1)</td>
<td><em>Explanation:</em> A segment entry is marked as the segment chain anchor for the indicated table, but CHECK PLUS already found a segment chain anchor. CHECK PLUS allows only one anchor per table.</td>
<td><em>User response:</em> This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
<tr>
<td>BMC52440I</td>
<td>UNACCOUNTED FOR GAP AT OFFSET offset, LENGTH length</td>
<td><em>Explanation:</em> CHECK PLUS found an area at the indicated offset of the length indicated that it cannot identify.</td>
<td><em>User response:</em> This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
</tbody>
</table>
element1 AT OFFSET beginOffset1 - endOffset1 WOULD OVERLAP element2 AT OFFSET beginOffset2 - endOffset2

Explanation: CHECK PLUS found overlapping page elements at the indicated offsets.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

ROW AT OFFSET offset PARTITION KEY value LESS THAN LIMIT KEY value OF PRIOR PARTITION

Explanation: CHECK PLUS found a row at the indicated offset with a partition key value that is less than that of the limit key of the preceding partition.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

ROW AT OFFSET offset PARTITION KEY value GREATER THAN LIMIT KEY value

Explanation: CHECK PLUS found a row at the indicated offset with a partition key value greater than that of the limit key for this partition.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

ROW AT OFFSET offset HAS OBID = obid1. SEGMENT ENTRY OBID = obid2

Explanation: While checking a space map for a segmented table space, CHECK PLUS found that a row at the indicated offset has the indicated OBID, but the value for the SEGOBID (the segment entry OBID) does not match the row’s OBID.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

ROW AT OFFSET offset HAS LENGTH length, (MIN minimumLength, MAX maximumLength)

Explanation: CHECK PLUS found that a row at the indicated offset has a length that is outside the defined range of lengths for the row. The message indicates the row’s length as well as the defined range of lengths.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

THE FOLLOWING POINTER/OVERFLOW RECORD ERRORS WERE FOUND:

Explanation: This heading precedes a section of the error summary report that lists errors in pointers and overflow records.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.
<table>
<thead>
<tr>
<th>Code</th>
<th>Message Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC52447E</td>
<td><strong>OVERFLOW RECORD W/RID recordID HAS NO MATCHING POINTER</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> CHECK PLUS found that the overflow record with the indicated RID has no matching pointer.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
<tr>
<td>BMC52448E</td>
<td><strong>POINTER RECORD W/RID recordID1 POINTING TO RID recordID2 HAS NO MATCHING OVERFLOW RECORD</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> CHECK PLUS found a pointer record with the indicated RID pointing to the second RID, which is not an overflow record.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
<tr>
<td>BMC52449I</td>
<td><strong>PGHOLE1 (value) IS NOT VALID</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> CHECK PLUS found that the value in the PGHOLE1 field in the header for this data page is not valid. The PGHOLE1 field should contain the offset to the first large hole, or X’0000’ if none.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
<tr>
<td>BMC52450I</td>
<td><strong>HOLE AT OFFSET offset CONTAINS INVALID PGHCHAIN (value)</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> CHECK PLUS found that the value in the PGHCHAIN field is not valid. The PGHCHAIN field should contain the offset in the page to the next large hole, or X’0000’ if none.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
<tr>
<td>BMC52451I</td>
<td><strong>PGFREEP (value) IS NOT VALID</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> CHECK PLUS found that the value indicated in the PGFREEP field in the header for this data page is not valid. The PGFREEP field should contain the offset to contiguous free space.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
<tr>
<td>BMC52452I</td>
<td><strong>FIRST FREE MAP ID NUMBER (value) TOO BIG</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> CHECK PLUS found that the first free map ID number (found in the page trailer) is larger than the total number of map IDs.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
</tbody>
</table>
BMC52453I  **NEXT MAP ID NUMBER (value) AT OFFSET offset IS TOO BIG**

*Explanation:*  CHECK PLUS found that the next map ID number for the entry at the indicated offset is larger than the total number of map IDs.

*User response:*  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52454I  **LOOP IN FREE ID MAP ENTRY CHAIN AT OFFSET offset**

*Explanation:*  CHECK PLUS found a loop in the free ID map entry chain at the indicated offset.

*User response:*  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52455I  **PREV MAP PAGE# pageNumber HAS INCONSISTENT SEGLENT value**

*Explanation:*  CHECK PLUS found that the SEGLENT value, indicating the page number for the last formatted page within the scope of the previous space map, is inconsistent with the current page number.

*User response:*  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52456I  **taskNumber: LAST FORMATTED PAGE# pageNumber1 IS BEYOND THE SCOPE (PAGE pageNumber2) OF THE LAST SPACE MAP (PAGE# pageNumber3)**

*Explanation:*  CHECK PLUS found that the last page it read is beyond the last formatted page number indicated in the last space map.

*User response:*  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52457I  **SPACE ENTRY value1 SHOULD BE value2 IN SPACE MAP PAGE# pageNumber RELATIVE SEGENTRY segentry (PGFREE= pgfree)**

*Explanation:*  Based on the PGFREE value, CHECK PLUS found an inconsistency in the space entry value for this segmented table space page. The message indicates what the space entry value should be.

*User response:*  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52458I  **SPACE ENTRY value1 SHOULD BE value2 IN SPACE MAP PAGE# pageNumber (PGFREE= pgfree)**

*Explanation:*  Based on the PGFREE value, CHECK PLUS found an inconsistency in the space entry value for this page. The message indicates what the space entry value should be. This is for a simple and partitioned table space.

*User response:*  This message reports the results of the checking process. Your response depends on your site’s requirements.
**BMC52459I**  
**SUB-SYSTEM NAME** (*ssid1*) **DOES NOT MATCH CATALOG** (*ssid2*)

*Explanation:* While checking this header page, CHECK PLUS found that the value in the HPGSSNM field does not match the subsystem ID of the DB2 catalog. (HPGSSNM indicates the DB2 subsystem name.)

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

---

**BMC52460I**  
**HPGPGSZ** (*pageSize1*) **DOES NOT MATCH CATALOG** (*pageSize2*)

*Explanation:* While checking this header page, CHECK PLUS found that the value in the HPGPGSZ field does not match the value recorded in the DB2 catalog. (HPGPGSZ indicates the page size.)

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

---

**BMC52461I**  
**HPGSGSZ** (*value1*) **DOES NOT MATCH CATALOG** (*value2*)

*Explanation:* While checking this header page, CHECK PLUS found that the value in the HPGSGSZ field does not match the value recorded in the DB2 catalog. (HPGSGSZ indicates the number of pages in each segment of a segmented table space.)

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

---

**BMC52462I**  
**NUMBER OF PARTS** (*value1*) **DOES NOT MATCH CATALOG** (*value2*)

*Explanation:* While checking this header page, CHECK PLUS found that the value in the HPGPARTN field does not match the value recorded in the DB2 catalog. (HPGPARTN indicates the number of partitions in this table space.)

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

---

**BMC52463I**  
**NUMBER OF TABLES** (*value1*) **DOES NOT MATCH CATALOG** (*value2*)

*Explanation:* While checking this header page, CHECK PLUS found that the value in the HPGTBLC field does not match the value recorded in the DB2 catalog. (HPGTBLC indicates the number of tables in this table space.)

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

---

**BMC52464I**  
**STOGROUP NAME** (*storageGroupName1*) **DOES NOT MATCH CATALOG** (*storageGroupName2*)

*Explanation:* While checking this header page, CHECK PLUS found that the value in the HPGSGNAM field does not match the value recorded in the DB2 catalog. (HPGSGNAM indicates the name of the storage group for this table space.)

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.
BMC52465I  VCAT NAME (VCATName1) DOES NOT MATCH CATALOG (VCATName2)
Explanation:  While checking this header page, CHECK PLUS found that the value in the HPGVCATN field does not match the value recorded in the DB2 catalog. (HPGVCATN indicates the VSAM catalog name for this data set.)
User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52466I  HPGROID (hpgroid) DOES NOT MATCH TABLE OBID (obid)
Explanation:  While checking this header page, CHECK PLUS found that the value in the HPGROID field does not match the OBID of the table recorded in the DB2 catalog. (HPGROID indicates the internal identifier of the table.)
User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52467I  HPGMAXL (length1) DOES NOT MATCH CATALOG (length2)
Explanation:  While checking this header page, CHECK PLUS found that the value in the HPGMAXL field does not match the value recorded in the DB2 catalog. (HPGMAXL indicates the maximum record length.)
User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52468I  HPGNUMCO (value1) DOES NOT MATCH CATALOG (value2)
Explanation:  While checking this header page, CHECK PLUS found that the value in the HPGNUMCO field does not match the value recorded in the DB2 catalog. (HPGNUMCO indicates the number of columns in the table in this table space.)
User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52469I  HPGFOID (hpgfoid) DOES NOT MATCH CATALOG (obid)
Explanation:  While checking this header page, CHECK PLUS found that the value in the HPGFOID field does not match the OBID value recorded in the DB2 catalog. (HPGFOID indicates the internal identifier of the table space file descriptor.)
User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52470W  VERIFY CONDITION VIOLATED. TABLE = ‘tableCreator.tableName’
Explanation:  CHECK PLUS issues this message when it finds violations of the VERIFY condition clause. Message BMC52471I provides detailed column information.
User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.
**BMC52471**  
*columnName data*  
*Explanation:* CHECK PLUS issues this message in conjunction with message BMC52470E or message BMC52476W. With message BMC52470E, it lists all columns in the failed VERIFY condition clause and the corresponding column values. With message BMC52476W, it lists all columns that contain the table check constraint violation. If an index exists, this message also lists and flags index key columns and corresponding column values to assist you in identifying the row that is in violation.  
*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52472E**  
*PAGE # GREATER THAN MAX FOR PARTITION (partitionNumber)*  
*Explanation:* CHECK PLUS found that a page number is higher than the maximum number of pages allowed for the indicated partition. This message is issued in conjunction with header message BMC52220I or BMC52221I that reports the actual page number.  
*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52473E**  
*PAGE # pageNumber GREATER THAN MAX FOR PARTITION (partitionNumber)*  
*Explanation:* CHECK PLUS found that the indicated page number is higher than the maximum number of pages allowed for the indicated partition.  
*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52474E**  
*PROBABLE COLUMN LENGTH ERROR FOR ROW W/RID= recordID*  
*Explanation:* CHECK PLUS found that the indicated row has an error. It is probably an error in a VARCHAR column length.  
*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52475W**  
*HPGRBRBA (value1) GREATER THAN CURRENT DB2 LOGRBA (value2)*  
*Explanation:* The header page value is greater than the LOGRBA value.  
*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52476W**  
*TABLE CHECK CONSTRAINT VIOLATION. TABLE = 'tableCreator.tableName', CONSTRAINT = 'constraintName'*  
*Explanation:* CHECK PLUS issues this message when it finds violations of the indicated table check constraint. Message BMC52471 provides detailed column information.  
*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.
BMC52477W  HPGPARTN (value1) DOES NOT MATCH HPGIFLGS (value2)

Explanation: The number of partitions indicated in the header page (HPGPARTN) does not agree with the flag in the header page that indicates whether the table space is partitioned (HPGIFLGS).

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52478E  RRF BIT IN HEADER PAGE DOES NOT MATCH CATALOG

Explanation: While checking this header page, CHECK PLUS found that the value in the HPGRRFMT field does not match the value recorded in the DB2 catalog. (HPGRRFMT indicates whether the table space is in reordered row format.)

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52479I  LOGGING BIT HPGTSFLOG (headerPageValue) IN HEADER PAGE DOES NOT MATCH DBD (DBDValue)

Explanation: While checking this header page, CHECK PLUS found that the value in the HPGTSFLOG field does not match the value recorded in the DB2 catalog. (HPGTSFLOG indicates whether the table space is defined with LOG YES or LOG NO.)

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52480E  UTS MEMBER CLUSTER BIT HPGMC (headerPageValue) IN HEADER PAGE DOES NOT MATCH DBD (DBDValue)

Explanation: While checking this header page, CHECK PLUS found that the value in the HPGMC bit of the HPGFLAGS2 field does not match the value recorded in the DB2 catalog. (The HPGMC bit indicates whether the table space is defined with MEMBER CLUSTER.)

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52481E  UTS PBR BIT HPGPBRUTS (headerPageValue) IN HEADER PAGE DOES NOT MATCH DBD (DBDValue)

Explanation: While checking this header page, CHECK PLUS found that the value in the HPGPBRUTS bit of the HPGFLAGS field does not match the value recorded in the DB2 catalog. (The HPGPBRUTS bit indicates whether the table space is range-partitioned.)

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.
Messages BMC52500 through BMC52599

For the CHECK PLUS for DB2 product, this topic explains each message in the designated range.

**Note**
For CHECK PLUS messages BMC52401 through BMC52599, you can change the severity indicator to result in a different return code. You can also have a message omitted from the SYSPRINT listing. For details, see the MSGSEV installation option described in the *CHECK PLUS for DB2 Reference Manual*.

---

**BMC52482E**

**UTS PBG BIT HPGPBGUTS (headerPageValue) IN HEADER PAGE DOES NOT MATCH DBD (DBDValue)**

*Explanation:* While checking this header page, CHECK PLUS found that the value in the HPGPBGUTS bit of the HPGFLAGS field does not match the value recorded in the DB2 catalog. (The HPGPBGUTS bit indicates whether the table space is partition-by-growth.)

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

---

**BMC52500W**

**indexCreator.indexName KEYS MISMATCH FOR RID recordID. DATA value, INDEX value**

*Explanation:* CHECK PLUS found a mismatch between the value of the key derived from the data and the value of the key recorded in the index for the indicated RID.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

---

**BMC52501W**

**indexCreator.indexName INDEX ENTRY MISSING FOR RID recordID, KEY value**

*Explanation:* CHECK PLUS did not find an index entry for the indicated RID in the indicated table.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

---

**BMC52502W**

**indexCreator.indexName DUPLICATE INDEX ENTRY FOR RID recordID, DATA value, INDEX value**

*Explanation:* CHECK PLUS found more than one index entry for the indicated RID.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.
BMC52503W  *indexCreator.indexName* INDEX ENTRY RID recordID, KEY key HAS NO ROW

Explanation: CHECK PLUS found an entry in the indicated index that has no corresponding row in the table on which the index is defined. The message indicates the RID and key of the index entry.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52504I  *taskNumber*: LEAF PAGE CHAIN ERROR(S) DETECTED

Explanation: CHECK PLUS found one or more leaf page chain errors. CHECK PLUS also issues header messages BMC52505I and BMC52506I and details the errors in one or more BMC52555E messages.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52505I  *taskNumber*: THE FOLLOWING LEAF PAGE CHAIN SEGMENTS HAVE BEEN IDENTIFIED...

Explanation: CHECK PLUS found one or more leaf page chain errors. CHECK PLUS also issues header messages BMC52504I and BMC52506I and details the errors in one or more BMC52555E messages.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52506I  *taskNumber*: HEAD OF CHAIN TAIL OF CHAIN PREV PAGE # NEXT PAGE #

Explanation: CHECK PLUS found one or more leaf page chain errors and this is the report heading for the detailed error information given in one or more BMC52555E messages. CHECK PLUS also issues header messages BMC52504I and BMC52505I with this message.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52510E  HPGNSUBP (value1) NOT EQUAL TO CATALOG VALUE OF value2

Explanation: While checking an index header page, CHECK PLUS found that the number of subpages for this index was not equal to the value in the DB2 catalog.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52513E  IPPFLGS (’value1’) INCONSISTENT, EXPECTED ‘value2’

Explanation: CHECK PLUS found an invalid value in the field IPPFLGS (page flags for a physical index page header). The message specifies the value that it found and the value that it expected.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.
BMC52514E  IPPNPREV (value) MUST BE ZERO FOR A ROOT PAGE

Explanation:  CHECK PLUS found an invalid value in the field IPPNPREV (previous page number) in the physical index page header for this page. This page is a root page, and the IPPNPREV value must be zero for a root page.

User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52515E  BIT value AT OFFSET offset IN SPACE MAP INDICATES AN IN-USE PAGE BUT NO KEYS WERE FOUND

Explanation:  CHECK PLUS found that the bit setting at the indicated offset in the space map indicates that the page is in use. However, CHECK PLUS found no keys on the page.

User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52516E  IPPFLGS (value) IS NOT A VALID PAGE TYPE, UNABLE TO VALIDATE PAGE

Explanation:  CHECK PLUS found an invalid value in the field IPPFLGS in this physical index page header for this page type, and is not able to continue with validation for this page. The message displays the binary value of the IPPFLGS field that contains the flag specifying the page type.

User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52517E  IPLNKEY (value1) AT OFFSET offset INCONSISTENT WITH IPLFREP (value2)

Explanation:  CHECK PLUS found that the value in IPLNKEY indicates that this subpage is empty. However, the value in IPLFREP is not X'0011', which it should be if the subpage is actually empty.

User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52518E  IPLLKEY (value1) AT OFFSET offset INCONSISTENT WITH IPLNKEY (value2) AND IPLFREP (value3)

Explanation:  CHECK PLUS found that values in IPLNKEY and IPLFREP indicate that this subpage is empty. However, the value in IPLLKEY is not X'0011', which it should be if the subpage is actually empty.

User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52519E  IPLNKEY (value1) AT OFFSET offset INCONSISTENT WITH IPPFLGS (value2)

Explanation:  CHECK PLUS found that the value in IPLNKEY is not zero, which indicates that this subpage contains keys. However, the fourth bit
(IPPMPTY) in the IPPFLGS field is set on, which indicates that the subpage is empty.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52520E IPPOLTH (length1) AND IPPTLTH (length2) MUST BE EQUAL

Explanation: CHECK PLUS found a mismatch between the fields IPPOLTH and IPPTLTH in the physical index page header. Both fields should contain the length for the ordering key, and the value should be the same.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52521I UNKNOWN LOG RBA FLAGS, PGLOGID (‘value’)

Explanation: CHECK PLUS found a value in the field PGLOGID (the ID of the log subsystem) on an index page data page header that it does not recognize. The message displays the value found. Valid log RBA flag values are B'0000 0001' or B'1111 1111'.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52522E HIGH/LOW KEY value1 ON PAGE pageNumber1 IS EQUAL TO LOW/HIGH KEY value2 ON PAGE pageNumber2

Explanation: When checking a unique index, CHECK PLUS found a high or low key value (as indicated in the message) on the indicated page that is equal to the low or high key value (as indicated in the message) on another page. This indicates that a duplicate key exists.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52523E DUPLICATE KEY FOUND, KEY value AT OFFSET offset1 MATCHES PREVIOUS KEY AT OFFSET offset2

Explanation: CHECK PLUS found a duplicate key value in an index that is defined as unique. The message specifies the key value found at offset1 and that it matches a previous key value at offset2.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52526E BITS (binaryValue) AT OFFSET offset MUST BE ZERO WHEN IPPSMEND EXISTS hexValue

Explanation: CHECK PLUS found that one or more bits in this space map at the indicated offset are set on. However, the value for IPPSMEND indicates they should be zeros.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.
BMC52527E  ORDERING KEY LENGTH IPPOLTH (length1) NOT EQUAL TO CATALOG VALUE OF length2
Explanation:  CHECK PLUS found that the key length in the field IPPOLTH (length of the ordering key for this index) in this physical index page header does not match the associated value stored in the DB2 catalog. These values should be identical.
User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52528E  IPLNKEY(value) AT OFFSET offset IS IN DOUBT
Explanation:  CHECK PLUS found that the value for IPLNKEY, indicating the number of keys in a subpage, at the indicated offset is in doubt. CHECK PLUS issues this message when it is not able to fully validate this field value.
User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52529E  IPLFREP(value) AT OFFSET offset IS INVALID, NOT WITHIN RANGE lowValue THROUGH highValue
Explanation:  CHECK PLUS found that the value for IPLFREP, indicating the offset to the beginning of free space, is not valid. It should be greater than or equal to X'0011' and less than the high value indicated in the message for this page.
User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52530E  IPLLKEY(value) AT OFFSET offset IS INVALID, NOT WITHIN RANGE lowValue THROUGH highValue
Explanation:  CHECK PLUS found that the value for IPLLKEY, indicating the offset to the last key, is not valid. It should be greater than or equal to X'0011' and less than the high value indicated in the message for this page.
User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52531E  IPLFREE(value1) AT OFFSET offset1 OR IPLFREP(value2) at OFFSET offset2 IS INVALID
Explanation:  CHECK PLUS found that the value for IPLFREE, indicating the amount of free space in this subpage, is inconsistent with the value found for IPLFREP, indicating the offset to the start of free space. One or both of these fields is invalid.
User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message Description</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC52532E</td>
<td>PREV PAGE HIKEY <code>highKeyValue</code> AT OFFSET <code>offset1</code> NOT LT OR EQ TO CURRENT PAGE LOWKEY <code>lowKeyValue</code> AT OFFSET <code>offset2</code></td>
<td>Explanation: CHECK PLUS found that the current low key value for this index page is lower than the previous index page’s high key value, indicating that the keys are not in ascending order.</td>
<td>User response: This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
<tr>
<td>BMC52533E</td>
<td>IPPNLPG(<code>value1</code>) NOT EQUAL TO CATALOG VALUE OF <code>value2</code></td>
<td>Explanation: CHECK PLUS found that the number of pages that are contained in IPPNLPG for this physical index page header does not match the value in the DB2 catalog.</td>
<td>User response: This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
<tr>
<td>BMC52534E</td>
<td>PREVIOUS KEY <code>value1</code> AT OFFSET <code>offset1</code> IS GT KEY <code>value2</code> AT OFFSET <code>offset2</code></td>
<td>Explanation: CHECK PLUS found key values for this index page that are not in ascending order. The message indicates the values of the previous and current keys.</td>
<td>User response: This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
<tr>
<td>BMC52535E</td>
<td>HPGNUMCO(<code>value1</code>) NOT EQUAL TO CATALOG VALUE OF <code>value2</code></td>
<td>Explanation: While checking an index header page, CHECK PLUS found that the number of index key columns does not equal the value in the DB2 catalog.</td>
<td>User response: This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
<tr>
<td>BMC52536E</td>
<td>IPLNRTV(<code>value1</code>) AT OFFSET <code>offset</code> INVALID FOR KEY <code>value2</code></td>
<td>Explanation: CHECK PLUS found that the value for field IPLNRTV, which indicates the number of RIDs for this key, at the indicated offset is invalid.</td>
<td>User response: This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
<tr>
<td>BMC52537E</td>
<td>IPLPREV(<code>length</code>) AT OFFSET <code>offset</code> NOT EQUAL TO PREVIOUS KEY’S IPLPLTH</td>
<td>Explanation: For the key at the indicated offset, CHECK PLUS found that the length of the previous key entry (indicated in this key’s IPLPREV field) is not equal to the key entry length in the previous key’s IPLPLTH field.</td>
<td>User response: This message reports the results of the checking process. Your response depends on your site’s requirements.</td>
</tr>
<tr>
<td>Message Code</td>
<td>Message Text</td>
<td>Explanation</td>
<td>User Response</td>
</tr>
<tr>
<td>--------------</td>
<td>------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| BMC52538E    | **IPLNKEY**(value1) at OFFSET offset NOT EQUAL TO KEY COUNTER VALUE OF value2 | Explanation: CHECK PLUS found that the value for the field IPLNKEY (number of keys in the page) at the indicated offset for this logical index page header is not equal to the number of keys that CHECK PLUS actually counted.  
User response: This message reports the results of the checking process. Your response depends on your site’s requirements. |
| BMC52539I    | **UNABLE TO CONTINUE DUE TO SEVERE ERROR, CHECK FOR DIAGNOSTIC MESSAGES**     | Explanation: CHECK PLUS encountered a severe page error and is unable to continue validating this page. Where possible, CHECK PLUS prints any diagnostic messages available to help identify the problem.  
User response: This message reports the results of the checking process. Your response depends on your site’s requirements. |
| BMC52540E    | **IPLPLTH**(length) AT OFFSET offset INVALID FOR KEY key                      | Explanation: For this nonunique index key, CHECK PLUS found that the value for the field IPLPLTH (length of this key entry in a leaf page) at the indicated offset is not valid.  
User response: This message reports the results of the checking process. Your response depends on your site’s requirements. |
| BMC52541E    | **IPLNKEY**(length) AT OFFSET offset INVALID, CANNOT BE GREATER THAN value    | Explanation: CHECK PLUS found that the value for the field IPLNKEY (number of keys in this subpage) at the indicated offset is greater than the maximum number of keys possible within this subpage. The message indicates the actual maximum number.  
User response: This message reports the results of the checking process. Your response depends on your site’s requirements. |
| BMC52542E    | **IPLLKEY**(value) AT OFFSET offset IS IN DOUBT                               | Explanation: CHECK PLUS cannot verify the value for the field IPLLKEY (the offset from the beginning of the logical index page header (IPLHEAD) to the start of the last key in the page) at the indicated offset. The value might or might not be correct. Other diagnostic messages might have been issued that can help you determine if this value is corrupt.  
User response: This message reports the results of the checking process. Your response depends on your site’s requirements. |
| BMC52543E    | **IPLFREP**(value) AT OFFSET offset IS IN DOUBT                               | Explanation: CHECK PLUS cannot verify the value for the field IPLFREP (the offset to the start of free space within this subpage) at the indicated offset.  |
Other diagnostic messages might have been issued that can help you determine whether this value is corrupt.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52544E**

**IPLFREE(value) AT OFFSET offset IS IN DOUBT**

*Explanation:* CHECK PLUS found that the value for the field IPLFREE (the number of bytes of free space within this subpage) at the indicated offset might not be valid. Other diagnostic messages might have been issued that can help you determine whether this value is corrupt.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52545E**

**IPLLKEY(value1) AT OFFSET offset CANNOT BE GT IPLFREP(value2)**

*Explanation:* CHECK PLUS found that the value for the field IPLLKEY (the offset from the beginning of the logical index page header (IPLHEAD) to the start of the last key in the page) at the indicated offset is greater than the value found in the IPLFREP field (the offset to the start of free space within this subpage).

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52546E**

**IPPFFLGS('binaryValue') IPPSEGM BIT NOT VALID WHEN IPPNLPG= X'hexValue'**

*Explanation:* In the IPPFFLGS field, CHECK PLUS found that the setting of the fifth bit (IPPSEGM), which indicates whether this page is a segmented or simple page, is inconsistent with the value in the IPPNLPG field (the number of subpages for either segmented or simple pages). If the number of subpages is X'0001', the page is simple and the IPPSEGM bit should be off. If the number of subpages is X'0002', X'0004', X'0008', or X'0010', the page is segmented and the IPPSEGM bit should be set on.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52547E**

**KEY value1 IN PAGE pageNumber1 NOT LT KEY value2 IN PAGE pageNumber2**

*Explanation:* CHECK PLUS found that the key value1 on the indicated page number is not less than the key value2 on the subsequent indicated page. This is an error, as keys must always be in ascending order.

*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.
BMC52548W  IPLFLAGS AT OFFSET offset BROKEN BIT IS ON, INCONSISTENT LOGICAL PAGE DATA

Explanation: CHECK PLUS found that the first bit in the IPLFLAGS field is set on for this logical page header, indicating that the page contains inconsistent data.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52549W  IPLOGID(‘value’) AT OFFSET offset INVALID

Explanation: CHECK PLUS found the last bit in the IPLOGID field set off for this logical page header, indicating that the log RBA is not valid.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52550E  IPLOGRBA(value) AT OFFSET offset GREATER THAN CURRENT DB2 LOGRBA (DB2LogRBA)

Explanation: CHECK PLUS found that the value in the IPLOGRBA field, which provides the log RBA of the last logical page update, is greater than the current RBA of the DB2 log for this page.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52551E  HPGROID(value1) INCONSISTENT WITH CATALOG VALUE OF value2

Explanation: CHECK PLUS found that the value in the HPGROID field for this header page, which indicates the internal identifier of the table on which this index is defined, is not consistent with the value in the DB2 catalog.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52552E  IPPHKOF(value1) AT OFFSET offset INVALID, SHOULD EQUAL value2

Explanation: While checking a segmented leaf page, CHECK PLUS found that the value in the IPPHKOF field, which represents the offset to the high key of the subpage, at the indicated offset is invalid. The message indicates the correct value.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52553E  IPPPOFF(value1) AT OFFSET offset INVALID, SHOULD EQUAL value2

Explanation: While checking a segmented leaf page, CHECK PLUS found that the value in the IPPPOFF field, which represents the offset to the beginning of the subpage, at the indicated offset is invalid. The message indicates the correct value.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.
BMC52554E  PAGE pageNumber WAS ON THE LEAF PAGE CHAIN BUT DID NOT CONTAIN ANY KEYS

Explanation: CHECK PLUS found the indicated page number on the leaf page chain, but the page does not contain any keys, indicating that it is not a leaf page.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52555E  taskNumber: data

Explanation: CHECK PLUS issues this message after header messages BMC52504I, BMC52505I, and BMC52506I. It describes a leaf page chain segment.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52557E  IPLPLTH(value) AT OFFSET offset IS INCONSISTENT WITH IPLNRTV

Explanation: CHECK PLUS found that the indicated value for the IPLPLTH field (the length of the current nonunique index key entry) at the indicated offset is not consistent with the value found in the IPLNRTV field (number of RIDs for this key). The value in IPLPLTH should be equal to the length of the nonunique key header. You can calculate the correct value for IPLPLTH as follows:

\[
(\text{length of key} + 6) \times (\text{value of IPLNRTV} \times 4)
\]

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52558E  IPLLKEY(value) AT OFFSET offset IS INCONSISTENT WITH IPLNKEY

Explanation: CHECK PLUS found that the indicated value for the IPLLKEY field (offset from the beginning of the IPLHEAD to the last key on this logical page) at the indicated offset is not consistent with the value found in the IPLNKEY field (number of keys in this logical page). Either the IPLLKEY value or the IPLNKEY value (or both) for this logical page are incorrect.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52559I  HPGITYPE(value) INCONSISTENT WITH SYSIBM.SYSINDEXES INDEXTYPE

Explanation: The flag in the header page that indicates index type (HPGITYPE) is not the same as the index type in the DB2 catalog.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.
BMC52560I  value1 INCONSISTENT WITH SYSIBM.SYSINDEXES UNIQUERULE value2
Explanation:  The flag indicated by value1 does not agree with the UNIQUERULE specified in the DB2 catalog.
User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52561W  HPGFLAGS (PGHUIDX) INCONSISTENT WITH HPGIFLGS (value)
Explanation:  The flags in the header page that indicate unique or nonunique indexes are inconsistent.
User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52562W  FREESPACE ELEMENT AT value1 (LENGTH length1) IS NOT SMALLER THAN PREVIOUS ELEMENT (AT value2 LENGTH length2)
Explanation:  CHECK PLUS found a free space element on the free space chain that is out of sequence. Free space elements should be chained in order from largest to smallest.
User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52563E  RID CHAIN BEGINNING AT OFFSET value1 HAS INVALID IPRCLEN (NUMBER OF RIDS IN CHAIN) VALUE (value2)
Explanation:  CHECK PLUS found that the RID chain beginning at the indicated offset ended before the number of RIDs indicated by IPRCLEN.
User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52564E  INVALID VALUE FOR IPNKEYS (value)
Explanation:  The number of keys on the page (IPNKEYS) in the page header is incorrect or an invalid value.
User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.

BMC52565E  COLLATED KEY MAP ENTRY AT OFFSET offset CONTAINS INVALID VALUE (value)
Explanation:  The value of the collated key map entry at the indicated offset is not within a valid range.
User response:  This message reports the results of the checking process. Your response depends on your site’s requirements.
RID SEQUENCE ERROR - RID AT OFFSET offset (VALUE value) IS LESS THAN THE PREVIOUS RID

Explanation: CHECK PLUS found a RID in a RID list or chain that is out of sequence.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

TOTAL FREESPACE FOUND (value1) DOES NOT EQUAL PGFREESP IN PAGE HEADER (value2)

Explanation: CHECK PLUS found free space bytes on the page (value1) that are different than the free space bytes in the page header (value2).

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

TOTAL PSEUDO-DELETED RIDS FOUND (value1) DOES NOT EQUAL IPDRIDS IN PAGE HEADER (value2)

Explanation: The number of pseudo-deleted RIDs on the page that CHECK PLUS counted does not equal the number of pseudo-deleted RIDs (IPDRIDS) in the page header.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

TOTAL NON-DELETED RIDS FOUND (value1) DOES NOT EQUAL IPNDRIDS IN PAGE HEADER (value2)

Explanation: The number of nondeleted RIDs on the page that CHECK PLUS counted does not equal the number of nondeleted RIDs (IPNDRIDS) in the page header.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

CONTIGUOUS FREESPACE OFFSET (IPFREEP) VALUE (value1) IS INVALID, IT SHOULD BE (value2)

Explanation: The contiguous free space offset in the page header (IPFREEP) is not correct.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.

KEY LENGTH (IPKEYLN) IN HEADER (length1) DOES NOT EQUAL TOTAL OF INDEXED COLUMN LENGTHS (length2)

Explanation: The total of the lengths of the columns used in the index is not equal to the key length (IPKEYLN) in the page header.

User response: This message reports the results of the checking process. Your response depends on your site’s requirements.
**BMC52572E**  
**INVALID VALUE FOR INDEX KEY LENGTH (IPKEYLN) value**  
*Explanation:* The key length (IPKEYLN) in the header is less than one or greater than 2000.  
*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**BMC52573E**  
**INVALID NUMBER OF CONTIGUOUS RIDS (value) AT OFFSET (offset)**  
*Explanation:* The key header information at the indicated offset contains an invalid number of contiguous RIDs. The number of RIDs specified could not be contained in the page.  
*User response:* This message reports the results of the checking process. Your response depends on your site’s requirements.

**Messages BMC52600 through BMC52699**

For the CHECK PLUS for DB2 product, this topic explains each message in the designated range.

**BMC52600I**  
**ROW (RID = 'recordID') HAS NO PARENT FOR tableCreator.tableName.constraintName**  
*Explanation:* CHECK PLUS found that the row indicated in this message has no parent row for the indicated foreign key.  
*User response:* No action is required.

**BMC52601I**  
**STARTING CHECK DATA FOR THE FOLLOWING:**  
*Explanation:* This header precedes subsequent messages that summarize the objects related by RI that CHECK PLUS will check.  
*User response:* No action is required.

**BMC52602I**  
**PK FOR TABLE tableCreator.tableName USING sourceName.indexCreator.indexName**  
*Explanation:* This message follows message BMC52601I and identifies a primary key and its source. The source is either an index space or a table space.  
*User response:* No action is required.

**BMC52603I**  
**{FK | TS} tableCreator.tableName.constraintName USING {IX.indexCreator.indexName} TS.databaseName.tableSpaceName**  
*Explanation:* This message follows message BMC52601I and identifies a foreign key and its source or a table check constraint and its source. For a foreign key, the source is either an index space or a table space. For a table check constraint, the source is a table space.  
*User response:* No action is required.
BMC52604W NO FK’S OR TCC’S DETECTED FOR THE TABLESPACE/SET

Explanation: CHECK PLUS could not find any foreign keys or table check constraints for the table space or table space set that you specified for the CHECK DATA command. The utility cannot check data for referential integrity without a foreign key.

User response: Ensure that the correct table space or table space set was specified in the CHECK job. You can check for RI that is defined outside of DB2 by specifying a foreign key in the RULES option. You can check column conditions without defined table check constraints by specifying the VERIFY option and the condition that you want to check.

BMC52606I {FK | TCC} tableCreator.tableName.constraintName, n {KEYS | ROWS} CHECKED, n VIOLATIONS FOUND

Explanation: For RI, this message summarizes the number of keys checked and the number of violations found for the indicated foreign key. For table check constraints, this message summarizes the number of rows checked and the number of violations found for the indicated constraint.

User response: No action is required.

BMC52607I USER FK tableCreator.tableName.constraintName HAS NO MATCHING TABLE IN TS(SET)

Explanation: A foreign key that you specified in the RULES option does not reference a table in the table space or table space set that you specified in the CHECK DATA command.

User response: Ensure that you specified the foreign key correctly.

BMC52608I USER FK COLUMN tableCreator.tableName.constraintName.columnName WAS NOT FOUND IN TABLE

Explanation: A column in the foreign key specification in the RULES option was not found in the indicated table.

User response: Ensure that you specified the foreign key columns correctly.

BMC52609I USER FK tableCreator.tableName.constraintName IS A DUPLICATE

Explanation: A foreign key specified in the RULES option duplicates either a DB2-defined foreign key, a table check constraint, or another user-specified foreign key.

User response: Delete the duplicate specification.

BMC52610I CREATOR.TABLECONSTRAINT ROW-ID KEY

Explanation: This header precedes subsequent messages in the report that list the RI violations found during CHECK PLUS processing.

User response: No action is required.
BMC52611W  \textbf{data}

\textit{Explanation:} This message forms the detail lines for the RI violation report.

\textit{User response:} No action is required.

BMC52612I  \textbf{TABLE tableCreator таблицaName WAS NOT FOUND IN THE DB2 CATALOG}

\textit{Explanation:} CHECK PLUS could not find in the DB2 catalog a table that you referenced in the RULES option.

\textit{User response:} Ensure that the rules that you specified in the RULES option reference an actual DB2 table.

BMC52613I  \textbf{TABLE tableCreator таблицaName REFERENCED BY USER FK tableCreator таблицaName.конкретаName HAS NO PRIMARY KEY INDEX}

\textit{Explanation:} A foreign key that you specified in the RULES option references a table that does not have a DB2- or user-defined primary key.

\textit{User response:} Ensure that you specified the foreign key and RULES option correctly or define a primary index on the table referenced.

BMC52614I  \textbf{USER FK tableCreator таблицaName.constraintaName DOES NOT MATCH tableCreator таблицaName PRIMARY KEY}

\textit{Explanation:} The columns of a foreign key that you specified in the RULES option do not match the columns in the primary key of the referenced table.

\textit{User response:} Ensure that you specified the columns in the foreign key correctly.

BMC52616I  \textbf{USER PK FOR TABLE tableCreator таблицaName NOT ALLOWED. TABLE ALREADY HAS A PRIMARY KEY}

\textit{Explanation:} CHECK PLUS determined that the indicated table has a primary key defined. Therefore, CHECK PLUS does not allow the primary key that you specified in the RULES option.

\textit{User response:} Ensure that you specified the primary key correctly.

BMC52617I  \textbf{NO PARENT TABLES DETECTED IN THE TABLESPACE/SET}

\textit{Explanation:} CHECK PLUS did not find any parent tables in the indicated table space or table space set.

\textit{User response:} Ensure that you specified the RULES option correctly and that the table space or table space set specification is correct.

BMC52618W  \textbf{SPECIFIED SPACES NOT IN CHECK PENDING STATUS}

\textit{Explanation:} The utility control statements included the SCOPE PENDING option (or it was defaulted), but CHECK PLUS did not find any table spaces in CHKP status. CHECK PLUS does not process any DB2 structures and terminates with return code 4.

\textit{User response:} Ensure that the CHECK DATA command specifies the correct table space or table space set. If the correct structures are specified, you can
remove the PENDING option to check DB2-defined RI rules for the complete data structures.

**BMC52619I**

*taskNumber: EXCEPTION LIMIT EXCEEDED - CHECK TASK TERMINATING*

*Explanation:* During processing, the number of errors exceeded the limit that you specified for the EXCEPTIONS option. The utility terminates.

*User response:* Ensure that the utility control statements specify the correct data structures. Change the EXCEPTIONS option to a higher value or to 0 to enable the utility to complete processing.

**BMC52620I**

*DISCARD LIMIT OF *limit* HAS BEEN REACHED*

*Explanation:* During CHECK DATA processing, the number of discard records due to RI errors exceeded the limit that you specified for the DISCARDS option. The utility continues normal processing, but does not write any more discard records.

*User response:* Ensure that the utility control statements specify the correct data structures. Change the DISCARDS option to a higher value or to 0 to enable the utility to write records for all discards.

**BMC52621I**

*USER FK* `tableCreator.tableName.constraintName` *NOT SAVED. CONSTRAINT NAME IS A DUPLICATE*

*Explanation:* During CHECK DATA processing, CHECK PLUS determined that the foreign key that you specified in the RULES option has a constraint name that duplicates a constraint that is already defined in the CHECK PLUS RI rules tables. CHECK PLUS does not save the rule definition. However, CHECK DATA processing continues using the RI rule that you specified in the RULES option of the control statements.

*User response:* Ensure that the RULES option is specified correctly. If you want to change the user-defined RI rule, you must modify the CHECK PLUS RI rules tables. For more information, see the **CHECK PLUS for DB2 Reference Manual**.

**BMC52622I**

*USER PK* `tableCreator.tableName` *NOT SAVED. ALREADY EXISTS IN THE USER RULES DATABASE*

*Explanation:* During CHECK DATA processing, CHECK PLUS determined that the primary key that you specified in the RULES option duplicates a primary key that is already defined in the CHECK PLUS RI rules tables. CHECK PLUS does not save the rule definition. However, CHECK DATA processing continues using the RI rule that you specified in the RULES option.

*User response:* Ensure that the RULES option was specified correctly. If you want to change the user-defined RI rule, you must modify the CHECK PLUS RI rules tables. For more information, see the **CHECK PLUS for DB2 Reference Manual**.
BMC52623I  DUPLICATE USER FK (tableCreator.tableName.constraintName) FOUND IN RULES DB

Explanation: During CHECK DATA processing, CHECK PLUS determined that the foreign key that you specified in the RULES option duplicates a constraint that is already defined in the CHECK PLUS RI rules tables. CHECK PLUS does not save the rule definition. However, CHECK DATA processing continues using the RI rule that you specified in the RULES option.

User response: Ensure that the RULES option was specified correctly. If you want to change the user-defined RI rule, you must modify the CHECK PLUS RI rules tables. For more information, see the CHECK PLUS for DB2 Reference Manual.

BMC52624I  DUPLICATE USER PK FOUND IN RULES DB FOR TB tableCreator.tableName

Explanation: During CHECK DATA processing, CHECK PLUS determined that the primary key that you specified in the RULES option duplicates a primary key that is already defined in the CHECK PLUS RI rules tables. CHECK PLUS does not save the rule definition. However, CHECK DATA processing continues using the RI rule that you specified in the RULES option.

User response: Ensure that the RULES option was specified correctly. If you want to change the user-defined RI rule, you must modify the CHECK PLUS RI rules tables. For more information, see the CHECK PLUS for DB2 Reference Manual.

BMC52630I  CHECK PENDING STATUS HAS BEEN {SET (ON) | RESET (OFF)} FOR databaseName.tableSpaceName PART partitionNumber

Explanation: CHECK PLUS changed the CHKP status as indicated:

- If CHKP is now set on, CHECK PLUS either found one or more errors for the indicated table space or partitions, or reset the status after performing a QUIESCE.

- If CHKP is now reset off, CHECK PLUS either found no errors for the indicated table space or partitions, or reset the status because it could not perform a QUIESCE with the space in CHKP status.

If you ran the utility on a partitioned table space, CHECK PLUS displays the affected partition number.

User response: No action is required.

BMC52631I  COPY PENDING STATUS HAS BEEN {SET (ON) | RESET (OFF)} FOR databaseName.tableSpaceName PART partitionNumber

Explanation: CHECK PLUS changed the COPY status as indicated because a QUIESCE cannot be performed with the space in COPY status. If you ran the utility on a partitioned table space, CHECK PLUS displays the affected partition number.

User response: No action is required.
**BMC52691I**  
**TABLESPACE SET REPORT**

*Explanation:* This message is the first line of the heading (in conjunction with BMC52692I and BMC52694I) of a report that lists the table spaces that CHECK PLUS processed while performing CHECK DATA processing using the TABLESPACESET option. The report data is displayed with one or more instances of message BMC52693I.

*User response:* No action is required.

**BMC52692I**  
**TABLESPACE TABLE DEPENDENT TABLE CONSTRAINT**

*Explanation:* This message is the second line of the heading (in conjunction with BMC52691I and BMC52694I) of a report that lists the table spaces that CHECK PLUS processed while performing CHECK DATA processing using the TABLESPACESET option. The report data is displayed with one or more instances of message BMC52693I.

*User response:* No action is required.

**BMC52693I**  
**data**

*Explanation:* CHECK PLUS issues one or more occurrences of this message. It lists the table spaces and constraints that CHECK PLUS processed while performing CHECK DATA processing using the TABLESPACESET option.

If the creator, table, or constraint name is longer than the available space for that name, CHECK PLUS truncates the name and indicates the truncation with a plus sign in the last position of the truncated name.

*User response:* No action is required.

**BMC52694I**  
**CREATOR NAME CREATOR NAME**

*Explanation:* This message is the third line of the heading (in conjunction with BMC52691I and BMC52692I) of a report that lists the table spaces that CHECK PLUS processed while performing CHECK DATA processing using the TABLESPACESET option. The report data is displayed with one or more instances of message BMC52693I.

*User response:* No action is required.
Messages BMC53000 through BMC53999

This group includes messages for the REORG PLUS for DB2 product.

Messages BMC53000 through BMC53099

For the REORG PLUS for DB2 product, this topic explains each message in the designated range.

**BMC53001E**

**UNABLE TO RESTART UTILITY IN 'phase' PHASE FOR SHRLEVEL CHANGE [BEFORE RENAMES BEGIN]**

*Explanation:* A SHRLEVEL CHANGE reorganization does not support restarting in the indicated phase. If the indicated phase is UTILTERM, the reorganization cannot be restarted until REORG PLUS begins renaming the original and staging data sets.

*User response:* Change RESTART to NEW and resubmit the job.

**BMC53002W**

**UTILITY MAY NOT BE RESTARTABLE IN THE phase PHASE DUE TO ARCHIVE PROCESSING**

*Explanation:* You cannot restart a job that fails in the REORG phase in either of two situations. In the first situation, all of the following conditions must exist:

- You are performing a SHRLEVEL NONE single-phase reorganization.
- You allocated a SYSARC data set.
- You are performing SELECT/DELETE processing.

In the second situation, all of the following conditions must exist:

- You are performing a SHRLEVEL NONE single-phase reorganization.
- The table space is LARGE (either by definition or default) or defined with DSSIZE.
The highest-numbered partition in the table space is in REORP status or is included in a DDLIN data set, and that partition is involved in the reorganization. If you use the REBALANCE command option to establish new balanced limit keys, or you use the DDLIN data set to alter limit keys, REORG PLUS treats each partition that you specify as if it were in REORP status.

*User response:* If you want to resubmit the job, take one of the following actions and then resubmit the job:

- Change the job to a two-phase reorganization.
- Change SHRLEVEL NONE to SHRLEVEL REFERENCE or SHRLEVEL CHANGE. If you change the job to SHRLEVEL CHANGE, the job will not be restartable.
- If you do not need the archive data set, remove the specification (applicable to the first situation only).

If you are going to recover the table space, perform a recover-to-current operation to avoid having the nonpartitioning indexes set to RBDP status.

**BMC53004E**  
**VALUE FOR parameterValue INVALID. MUST BE > CURRENT**  
*Explanation:* A timestamp for the indicated parameter used a time that had already passed.  
*User response:* Change the timestamp value to a future time and resubmit the job.

**BMC53007E**  
**INSUFFICIENT COPY DDNAMES SPECIFIED FOR 'SHRLEVEL CHANGE'**  
*Explanation:* A SHRLEVEL CHANGE reorganization requires a ddname for full and incremental copies for each type of copy requested.  
*User response:* Change your JCL to specify the required ddnames and resubmit the job.

**BMC53008I**  
**COPY SPECIFICATION HAS BEEN CHANGED TO 'COPY YES REGISTER ALL' DUE TO 'SHRLEVEL CHANGE'**  
*Explanation:* A SHRLEVEL CHANGE reorganization requires registered image copies. REORG PLUS has changed the command options for you.  
*User response:* No action is required.
BMC53009E FOR SHRLEVEL CHANGE, IMAGE COPY AND INCREMENTAL COPY MUST BE PAIRED. MISSING MATCHING DD FOR 'ddname'

Explanation: Each copy requested must have both a full ddname and an incremental ddname. Either the full ddname or the incremental ddname is missing for the indicated ddname.

User response: Change your JCL to include the missing ddname and resubmit the job.

BMC53010E SPILDSNP MAY NOT BE SPECIFIED AS ''

Explanation: When running a SHRLEVEL CHANGE reorganization, you must specify a data set name pattern for the spill data sets. Otherwise, REORG PLUS cannot allocate the data sets.

User response: Specify a valid data set name pattern with the SPILLDSNPAT command option and resubmit the job.

BMC53011E SPILDSNP IS INVALID, DSN WOULD EXCEED 22 BYTES IN LENGTH

Explanation: A pattern that you specified in your SPILLDSNPAT command option or SPILDSNP installation option would result in a data set name prefix greater than 22 bytes.

User response: Change your SPILLDSNPAT specification and resubmit the job.

BMC53012E SPILDSNP IS INVALID, SUBSTITUTION VARIABLE NAME IS LONGER THAN 9 BYTES 'variable'

Explanation: A user-defined variable name specified in your SPILLDSNPAT command option or SPILDSNP installation option is invalid because its length is greater than 9 bytes.

User response: Change your SPILLDSNPAT specification and resubmit the job.

BMC53013E SPILDSNP IS INVALID, VARIABLE 'variable' IS NOT DEFINED

Explanation: The indicated variable was not defined during user exit processing.

User response: Use a different variable name in your SPILLDSNPAT command option or SPILDSNP installation option, or, if the problem is with a user-defined variable, contact the author of your user-written exit routine. (The user-written exit routine is not part of the REORG PLUS product.) Resubmit the job.

BMC53014E SPILDSNP DATA SET NAME CONTAINS INVALID CHARACTER AT POSITION n, DSN='dataSetName'

Explanation: The pattern that you specified in your SPILLDSNPAT command option or SPILDSNP installation option produced a data set name that contains an invalid character. The invalid character is identified by its position, n.

User response: Change the variable name in your SPILLDSNPAT command option or SPILDSNP installation option, or, if the problem is with a user-defined variable, contact the author of your user-written exit routine. (The user-written exit routine is not part of the REORG PLUS product.) Resubmit the job.
BMC53015E  SPIILDSNP DATA SET NAME CONTAINS INVALID NODE AT POSITION n,
DSN= 'dataSetName'

Explanation: The pattern that you specified in your SPIILDSNPAT command
option or SPIILDSNP installation option produced a data set name that contains
an invalid node. The invalid node is identified by its position, n.
User response: Change the variable name in your SPIILDSNPAT command
option or SPIILDSNP installation option, or, if the problem is with a user-
defined variable, contact the author of your user-written exit routine. (The user-
written exit routine is not part of the REORG PLUS product.) Resubmit the job.

BMC53016E  SPIILDSNP IS INVALID BECAUSE IT CONTAINS EMBEDDED BLANKS

Explanation: The pattern that you specified in your SPIILDSNPAT command
option or SPIILDSNP installation option contains embedded blanks.
User response: Omit the embedded blanks in the variable name in your
SPIILDSNPAT command option or SPIILDSNP installation option, and
resubmit the job.

BMC53017E  SPIILDSNP IS INVALID, VARIABLE 'variable' IS NOT ALLOWED

Explanation: The indicated variable that you specified in your SPIILDSNPAT
command option or SPIILDSNP installation option is not allowed, making the
spill data set name invalid.
User response: Change the variable name in your SPIILDSNPAT command
option or SPIILDSNP installation option, or, if the problem is with a user-
defined variable, contact the author of your user-written exit routine. (The user-
written exit routine is not part of the REORG PLUS product.) Resubmit the job.

BMC53018I  FOR SHRLEVEL CHANGE WITH ICTYPE = AUTO, ONE IMAGE COPY
DATASET PER PARTITION REQUIRED FOR UPDATE, CHANGING TO
INCREMENTAL

Explanation: When performing a SHRLEVEL CHANGE reorganization with
ICTYPE set to AUTO and INLINE or INLINECP set to NO, REORG PLUS
attempts to run as if you had specified UPDATE. That is, REORG PLUS
updates the full copy data sets. However, this update requires one data set for
each partition being reorganized. Because REORG PLUS could not find one full
copy data set for each partition, it changed the ICTYPE to INCREMENTAL and
created incremental copy data sets.
User response: No action is required unless you want REORG PLUS to update
the full copy data sets instead of creating incremental data sets. In that case,
you must ensure that you have one full copy data set for each partition being
reorganized or set INLINE or INLINECP to YES.

BMC53019I  COPY DD 'ddname' MUST BE ON DASD AND MAY NOT UTILIZE SMS
EXTENDED ATTRIBUTES SUCH AS DATASET STRIPING

Explanation: For a SHRLEVEL CHANGE reorganization with ICTYPE set to
AUTO or UPDATE and INLINE or INLINECP set to NO, every full copy data
set must be on DASD. The data sets cannot utilize SMS extended attributes.
This message is followed by either message BMC53020I or BMC53021E, which indicates the action that REORG PLUS has taken.

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

**BMC53020I**

**FOR SHRLEVEL CHANGE, ICTYPE CHANGED TO INCREMENTAL**

**Explanation:** REORG PLUS started a SHRLEVEL CHANGE reorganization with ICTYPE set to AUTO, and INLINE or INLINECP set to NO. REORG PLUS could not run as if you had specified UPDATE because at least one of the full copy data sets was not on DASD. REORG PLUS changed the ICTYPE to INCREMENTAL and created incremental copy data sets.

**User response:** No action is required. If you want REORG PLUS to update the full copy data sets instead of creating incremental copies, ensure that all of the full copy data sets are on DASD, or set the INLINECP installation option to YES, or specify INLINE YES on the command.

**BMC53021E**

**FOR SHRLEVEL CHANGE WITH INLINE = NO AND ICTYPE = UPDATE, ALL IMAGE COPY DATASETS MUST BE ON DASD AND MAY NOT UTILIZE SMS EXTENDED ATTRIBUTES SUCH AS DATASET STRIPING**

**Explanation:** REORG PLUS started a SHRLEVEL CHANGE reorganization with ICTYPE set to UPDATE, and INLINE or INLINECP set to NO. However, at least one full copy data set either was not on DASD or used SMS extended attributes, causing REORG PLUS to terminate the reorganization.

**User response:** See preceding message BMC53019I for the ddname of the data set that was not on DASD or was using extended attributes. Then, either ensure that each full copy data set is on DASD and does not use extended attributes, or set INLINE or INLINECP to YES. Resubmit the job.

**BMC53022E**

**FOR SHRLEVEL CHANGE WITH ICTYPE = UPDATE AND INLINE NO, ONE IMAGE COPY DATASET PER PARTITION REQUIRED. TERMINATING JOB**

**Explanation:** REORG PLUS started a SHRLEVEL CHANGE reorganization with ICTYPE set to UPDATE, and INLINE or INLINECP set to NO. However, REORG PLUS did not find one full copy data set for each partition being reorganized, so it terminated the job.

One scenario under which this problem occurs is when these same options are in effect, COPYLVL is set to FULL, and COPYSUBSET is set to YES.

**User response:** See preceding message BMC53019I for the ddname of the data set affected. Then, ensure that one full copy data set exists for each partition being reorganized, or set INLINE or INLINECP to YES. Resubmit the job.

**BMC53023E**

**REORG OF TABLESPACE databaseName.tableSpaceName PART partitionNumber**

**PARTITION**

**REQUIRES CONVERSION FROM RRF TO BRF. RRF TO BRF ROW FORMAT CONVERSION IS NOT SUPPORTED BY SHRLEVEL CHANGE REORG**

**Explanation:** You are running DB2 Version 9 in either conversion mode* or enabling-new-function mode* (after falling back from new-function mode) and
you specified SHRLEVEL CHANGE. The header page of the table space or partition indicates that the data is in reordered row format (RRF). The DB2 catalog and DBD indicate that the data is in basic row format (BRF). When these conditions exist, REORG PLUS usually converts the data from reordered row format to basic row format. However, the REORG PLUS Log Apply function does not support conversion from reordered row format to basic row format; therefore, you cannot run a SHRLEVEL CHANGE reorganization.

**User response:** Specify SHRLEVEL REFERENCE or SHRLEVEL NONE and resubmit the job.

**BMC53024E**  
**CANNOT EXTRACT ALL REQUIRED KEYS FROM LOG RECORD (POSSIBLE MULTI-ROW UPDATE OF UNIQUE KEY)**

**Explanation:** During the reorganization job, an attempt was made to add nonunique rows to a unique index or many keys of the index were updated in a single statement. The job terminated.

**User response:** If possible, try running the reorganization job when less database activity is occurring.

**BMC53025E**  
**NUMBER OF PARTITIONS ADDED BY DB2 EXCEEDS MAXNEWPARTS**

**Explanation:** During the reorganization, DB2 added partitions to the partition-by-growth table space. The number of added partitions exceeds the maximum number allowed, as specified by your MAXNEWPARTS installation or command option.

**User response:** Increase the value of MAXNEWPARTS, especially if the value is 0. If the reorganization ran during a time of high DB2 activity, restart the reorganization during a period of less activity.

**BMC53099E**  
**FOR SHRLEVELCHANGE, REORG PLUS for DB2 DOES NOT SUPPORT ONLINE UPDATES THAT RESULT IN ROWRELOCATION TO A PARTITION OTHER THAN THE ORIGINATING PARTITION**

**Explanation:** REORG PLUS started a SHRLEVEL CHANGE reorganization. However, during the reorganization, an online SQL UPDATE performed an UPDATE on a partitioning key column that caused the updated row to be relocated to another partition. The partition definitions that the relocation is based on come from the DB2 catalog, any applicable DDLIN ALTER statements, or use of the REBALANCE option.

When you use the REBALANCE option, the limit key value is derived from the value in the partitioning key column from the last row in that partition. Because REORG PLUS does not support such online updates, it terminated the job. All objects remain in their original status.

**User response:** Resubmit the job.
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**  xbmssid 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.</td>
</tr>
<tr>
<td></td>
<td>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>
<tr>
<td>SSI ‘hardware device type’ API</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> 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.</td>
</tr>
</tbody>
</table>

**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.
**BMC73060E**  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>

BMC73066I                  | **STATISTICS 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 ocurred:                                                                                                                                   |
| - 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.
BMC73091E  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.

BMC73101E  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.

BMC73102I  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.

BMC73103I  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.

BMC73104I  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.

BMC73105E  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**

*Explanation:* 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**

*Explanation:* 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**

*Explanation:* 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**

*Explanation:* 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**

*Explanation:* 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**

*Explanation:* 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)**

*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
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.

**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, MANAGEMENT SET managementSetName**

*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.
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.

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.

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.

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.

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.

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.

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.

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**  
*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, WTORTCD 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.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Informational Message</th>
</tr>
</thead>
</table>
| BMC73355I  | **ssid PPRC primary device address**<sup>(deviceNumber)</sup>, **PPRC secondary device address**<sup>(deviceNumber)</sup>  
  *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**<sup>(SymmetrixDeviceNumber)</sup>**BCV DEVICE address**<sup>(SymmetrixDeviceNumber)</sup>**PPRC DEVICE address**<sup>(SSID)</sup>  
  *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**<sup>(deviceNumber)</sup> **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:
### Error Type and Description:

<table>
<thead>
<tr>
<th>Error type</th>
<th>Description</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>
</tr>
<tr>
<td>TIMEOUT</td>
<td>A timeout occurred during an operation that attempted to access the named device.</td>
</tr>
</tbody>
</table>

**User response:** Ensure the device is available and the operation is valid for the device. Retry the operation.

### 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

**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.
BMC73371I  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.

BMC73372E  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>
</tbody>
</table>
| not snappable         | One or more volumes cannot be snapped. Possible causes are as follows:  
  ■ The target volume does not support data set snap.  
  ■ The target volume was unavailable.  
  ■ The target volume was added to the system after XBM was started and was not found through device discovery.  
  ■ EMC TimeFinder support was not available. Review BMC73390I in SYSPRINT to determine the status of EMC TimeFinder support during the SSI component initialization. |
| invalid request       | XBM received an invalid request from a snapshot-enabled utility. Contact BMC Customer Support for assistance.                                                                                                     |

BMC73373E  SNAP VERIFICATION FAILED, errorDescription  
*Explanation:* Snapshot verification failed for the reason displayed in the error description. Possible reasons are described in the following table.
### Error description | Meaning
--- | ---
SNAP support not available | The SSI component is not completely initialized.
Device does not support SNAP | One or more volumes where some portion of the data resides does not support data set snapshot processing.
Mixed functionality not supported | Some of the volumes have incompatible functionality.
SPHERE(YES) not supported | The cluster contains objects that are logically connected for SPHERE processing and SPHERE processing is not supported.
SYMMETrIX microcode level does not support SNAP | The EMC Symmetrix microcode level not sufficient for data set snapshot.
No data set name specified | XBM could not verify the input data set.
Unable to locate VOLSERs | The allocation for the data set could not be found.
VSAM cluster with no DATA component | The cluster does not have a data component. The cluster must have data component to be processed by XBM.
VSAM cluster with no devices for DATA component | The allocation for the data component could not be found.
Not a VSAM cluster or no devices found | The cluster name could not be found. For a VSAM data set, the cluster name must be provided

**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>
### Error description | Meaning
--- | ---
Unable to protect device | 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.
See prior error for this device | A prior error occurred for this device, preventing the current request.
Device protected by another process | 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.
Suspend failed | The suspend request for the named device was unsuccessful. This device will not be used in the requested activity.
Mirror no longer valid | The suspended mirror is now associated with another device and is no longer valid.
Resume failed | The attempt to re-mirror failed for this device.

**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.

| Error description | Meaning |
--- | --- |
Invalid data set or volume name | An attempt was made to use an invalid data set or volume name. |
Device not found | The disk volumes associated with this entry could not be found. |
Group was already suspended | A utility attempted to suspend a suspend/resume group that was already suspended. |
No volumes to suspend | A suspend request was issued for a suspend/resume group for which no entries were on mirrored volumes. |
Suspend failed for all devices | A suspend request was issued for a suspend/resume group and none of the associated volumes were successfully suspended. |
Group is not suspended

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.

**BMC73382**

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.</td>
</tr>
<tr>
<td>XMTOKEN for this entry no longer valid a</td>
<td>An internal XBM process failed.</td>
</tr>
</tbody>
</table>

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.
<table>
<thead>
<tr>
<th>Error description</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESMXIO for this entry no longer valid a</td>
<td>An internal XBM process failed.</td>
</tr>
<tr>
<td>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.</td>
<td></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.

**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**

Explanation: 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**

Explanation: 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.

**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**

Explanation: 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>
</tbody>
</table>
Condition | User response
--- | ---
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.
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.

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.

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.

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.

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.

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 23.  
*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  SNAPSHOT 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  SNAPSHOT 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  SNAPSHOT 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 SNAPSHOT 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 SNAPSHOT NOT PERMITTED PER USER OPTION, SNAPSHOT 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** _number_ **DATA SET** _dataSetName_
**I/O ERROR WRITING RECORD** _number_ **DATA SET** _dataSetName_
**RECORD TOO LONG ERROR PROCESSING RECORD** _number_ **DATA SET** _dataSetName_
**RECORD TOO SHORT ERROR PROCESSING RECORD** _number_ **DATA SET** _dataSetName_

**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.
BMC73723I  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.

BMC73724E  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.

BMC73725I  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.

BMC73726I  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.

BMC73727I  XBM STATISTICS FOR COMPONENT componentName

Explanation:  The following statistics are for snapshot execution related to named component type.
User response:  No action is required.

BMC73728E  ** 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.
BMC73729I  XBM CHECKPOINT COMPLETE FOR CLUSTER name XBM STOP COMPLETE FOR CLUSTER name
Explanation: The displayed function has completed for this data set.
User response: No action is required.

BMC73730I  ERROR OPENING SYSIN OR XBMIN
Explanation: The XBM utility program (XBMXUTIL) was unable to open one of the control card data sets.
User response: 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.

BMC73731I  DELIMITER value IS NOT PROPERLY PRECEDED BY A KEYWORD
Explanation: The control card delimiter value was not preceded by an appropriate keyword.
User response: Correct the control card or delimiter in error and resubmit. For further assistance, contact BMC Customer Support.

BMC73732I  REQUESTED RANGE END BEYOND END OF DATA SET
Explanation: 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.
User response: No action is required.

BMC73733E  FROMNUMBER INCOMPATIBLE WITH INFILE DATA SET TYPE TONUMBER INCOMPATIBLE WITH INFILE DATA SET TYPE
Explanation: The FROMNUMBER or TONUMBER control card is only valid for a VSAM RRDS.
User response: Correct the control card and resubmit. For further assistance, contact BMC Customer Support.

BMC73734E  DATA SET dataSetName MAY NEED TO BE RECOVERED
Explanation: 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.
User response: 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.
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.
BMC73742E 'cics-generated EXCI interface message'
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.
User response: See your CICS documentation on messages and codes for information about the DFHxxxx code.

BMC73743E cicsApplid IS NOT ACTIVE OR DOES NOT EXIST, ERROR IGNORED
Explanation: The XBM utility program could not link to the named CICS APPLID. The XBM utility program ignores the error and continues processing.
User response: Check your job card to ensure you specified the correct APPLID.

BMC73744I QUIESCE NOTE FOR DATA SET dataSetName, NO APPLID(S) SPECIFIED
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.
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.

BMC73745E QUIESCE FAILED FOR DATA SET dataSetName, RESP= responseCode
Explanation: CICS encountered an error while attempting to quiesce the data set.
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.

BMC73746E QUIESCE FAILED FOR DATA SET dataSetName, UNABLE TO OBTAIN EXCLUSIVE CONTROL
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.
User response: Make sure no remote system or process has the data set (for which the quiesce failed) open through VSAM.

BMC73747E UNABLE TO LOAD RECOVERY MANAGER REGISTRATION INTERFACE
UNABLE TO LOAD CICS QUIESCE INTERFACE
Explanation: The XBM utility program could not load the RECOVERY MANAGER interface program XBMLREG or could not load the CICS quiesce interface program XBMXCICQ.
User response: If the first message is issued, contact BMC Customer Support. If the second message is issued, specify the SDFH EXCI CICS load module library to the STEPLIB concatenation of XBMXUTIL and retry your job.
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 DRTY. 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:

BMC73890I* 18.50.22 XBMG ZIIP ENF Enclave Statistics:  
Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.

BMC73890I* 18.50.22 XBMG ZIIP IOS Enclave Statistics:  
Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.

BMC73890I* 18.50.22 XBMG ZIIP MIO Enclave Statistics:  
Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.

BMC73890I* 18.50.22 XBMG ZIIP XCF Enclave Statistics:  
Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.

BMC73890I* 18.50.22 XBMG ZIIP GUE Enclave Statistics:  
Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.

BMC73890I* 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 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:

```
BMC73050I 12.29.31 XBMA DIS ZIIPS
BMC73891I* 12.29.31 XBMA ZIIP ENF Enclave Statistics:
  Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.
BMC73891I* 12.29.31 XBMA ZIIP IOS Enclave Statistics:
  Time on ZIIP= 683.14 SEC, Time on CP= 4.85 SEC.
BMC73891I* 12.29.31 XBMA ZIIP MIO Enclave Statistics:
  Time on ZIIP= 193.46 SEC, Time on CP= 1.35 SEC.
BMC73891I* 12.29.31 XBMA ZIIP XCF Enclave Statistics:
  Time on ZIIP= 9.61 SEC, Time on CP= 0.50 SEC.
BMC73891I* 12.29.31 XBMA ZIIP GUE Enclave Statistics:
  Time on ZIIP= 0.01 SEC, Time on CP= 0.00 SEC.
BMC73891I* 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.

**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**

*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 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 12.29.31XBMA 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 \textbf{CONFIGURATIONS MAY NOT BE DEACTIVATED. ACTIVATING A CONFIGURATION WILL DEACTIVATE THE CURRENTLY ACTIVE ONE.}

\textit{Explanation:} You have attempted to deactivate a configuration. The DEACTIVATE command can only be used to deactivate management sets.

\textit{User response:} No action is required.

BMC73907I \textbf{THE REQUESTED DATA OBJECTS CANNOT BE DISPLAYED IN THE MONITOR.}

\textit{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 \textbf{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 \textbf{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.

\textit{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>
</tbody>
</table>
Displaying data on a remote XBM subsystem

- 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.

- 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.

---

**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>
<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 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. |

**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. MANAGEMENT SET IS NOT ACTIVE.

*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.
BMC73948E  **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.

BMC73949E  **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.

BMC73950E  **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.

BMC73951E  **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.

BMC73952E  **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.

BMC73953E  **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.

BMC73954E  **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.

BMC73955E  **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.
<table>
<thead>
<tr>
<th>Message ID</th>
<th>Description</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC73965E</td>
<td><strong>ERROR DEACTIVATING THE SELECTED GROUP GROUP IS NOT ACTIVE</strong></td>
<td>The group you selected to deactivate is not active. It might have been deactivated by another user.</td>
<td>Use the DISPLAY XBM command to determine whether the group is still active. If it is still active, contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC73966I</td>
<td><strong>GROUP IS EMPTY. USE ADD FUNCTION FOR NEW OBJECTS</strong></td>
<td>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 <em>EXTENDED BUFFER MANAGER and SNAPSHOT UPGRADE FEATURE User Guide</em>.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMC73967E</td>
<td><strong>RESET OF STATISTICS NOT VALID FOR THIS FILE TYPE</strong></td>
<td>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.</td>
<td>Select the proper object to reset, or activate the object before issuing the RESETSTA command. Contact BMC Customer Support for further assistance.</td>
</tr>
<tr>
<td>BMC73968E</td>
<td><strong>ALL EXISTING MANAGEMENT SETS ARE ALREADY INCLUDED IN THIS GROUP</strong></td>
<td>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.</td>
<td>Select the proper object for group processing, or create a new group. Contact BMC Customer Support for further assistance.</td>
</tr>
<tr>
<td>BMC73969E</td>
<td><strong>SELECTED OBJECT IS NO LONGER AVAILABLE</strong></td>
<td>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.</td>
<td>Redisplay the list to obtain a current list of objects from the XBM repository. Contact BMC Customer Support for further assistance.</td>
</tr>
<tr>
<td>BMC73970E</td>
<td><strong>THIS OBJECT IS NOT CURRENTLY AVAILABLE FOR CACHING.</strong></td>
<td>This object is not cacheable by XBM. XBM must be able to obtain the object’s attributes from the MVS catalog to enable caching.</td>
<td>Verify that the object is cataloged and should be cacheable. Contact BMC Customer Support for further assistance.</td>
</tr>
</tbody>
</table>
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.
BMC73999E  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 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.
BMC89010A  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.

BMC89011E  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.

BMC89012E  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.

BMC89013E  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.

BMC89019E  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.

BMC89021E  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.
BMC89054E  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.

BMC89055E  THE PASSWORD MUST BE FORMATTED AS “PSWD=PPP,PPP,PPP,PPP”
OR “PSWD=PPPPPPPPPPPPPP” 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.

BMC89057E  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.

BMC89058E  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.

BMC89059E  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.
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.

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.

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.

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.

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.

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.
BMC89116E  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.

BMC89117E  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.

BMC89118E  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.

BMC89119E  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.

BMC89120E  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.

BMC89121E  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 nnnnn, MODEL NUMBER 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 nnnnn, MODEL NUMBER 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 nnnnn, MODEL NUMBER 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.

--- Note ---

Unlike the Product Authorization messages, the runtime messages do not contain the severity code indicator in the last character.
Messages BMC278000 through BMC278199

For the DASD MANAGER PLUS for DB2 product, this topic explains each message in the designated range.

BMC278000E

ERROR(S) DETECTED FOR objectType objectOwner.objectName OBJECT
WILL BE BYPASSED

Explanation: The object was flagged with one or more errors. DASD MANAGER PLUS bypassed the object and continued processing.

User response: Check the accompanying messages for the cause of the error.

BMC278001E

TS databaseName.tableSpaceName - IMAGE COPY SHOULD BE CREATED WITH THE SYSTEMPAGES YES OPTION

Explanation: You used an image copy as input to BMCSTATS, but the copy was not made with SYSTEMPAGES YES (using SYSTEMPAGES YES ensures that system pages are at the beginning of the copy.) BMCSTATS was not able to collect statistics from the image copy.

User response: Specify SYSTEMPAGES YES and retry the operation.

BMC278002E

TABLE SPACE PART DS dataSet HAS FAILED - errorType ERROR.

Explanation: While BMCSTATS was processing data at various versions, a failure occurred for the specified data set.

User response: Collect job output and contact BMC Customer Support.
**BMC278003E**  
**objectType objectOwner.objectName CONTAINS MULTIPLE DATA FORMATS.**  
*Explanation:* The object has multiple versions of data, which this release of the product does not support. The product will not process the object. Performing a reorganization will bring all of the data to the current version, and then DASD MANAGER PLUS can process it.  
*User response:* Perform a reorganization.

**BMC278004E**  
**objectType objectOwner.objectName CONTAINS A DATA-PARTITIONED SECONDARY INDEX**  
*Explanation:* The object is defined as a data-partitioning secondary index, which this release of the product does not support. The product will not process the object.  
*User response:* Specify an object set to exclude the object.

**BMC278005E**  
**objectType objectOwner.objectName CONTAINS KEYS GREATER THAN 255 BYTES IN LENGTH.**  
*Explanation:* The object contains a key that is greater than 255 bytes, which this release of the product does not support. The product will not process the object.  
*User response:* Specify an object set to exclude the object.

**BMC278006E**  
**objectType objectOwner.objectName CONTAINS VARYING LENGTH KEYS.**  
*Explanation:* The object contains variable length (unpadded) key, which this release of the product does not support. The product will not process the object.  
*User response:* Specify an object set to exclude the object.

**BMC278007I**  
**ICF LOCATE ERROR ON TS databaseName.tableSpaceName PART partition; RC= returnCode**  
*Explanation:* BMCSTATS could not determine the type of catalog error.  
*User response:* Ensure that the underlying data set exists within the ICF catalog and that the VSAM attributes are accessible.

**BMC278008E**  
**TABLE SPACE PART DS partitionNumber HAS AREO-PENDING SET.**  
*Explanation:* The table space part is in advisory REORG-pending status (AREO*), which this release of the product does not support. The product will not process the object. Performing a reorganization of the table space partition will clear the status, and then DASD MANAGER PLUS can process it.  
*User response:* Perform a reorganization.

**BMC278009E**  
**INDEX PART DS partitionNumber HAS AREO-PENDING SET.**  
*Explanation:* The index partition is in advisory REORG-pending status (AREO*), which this release of the product does not support. The product will
not process the object. Performing a reorganization of the table space partition will clear the status, and then DASD MANAGER PLUS can process it.
User response: Perform a reorganization.

**BMC278010E**  
**UTILID: utilityID IN USE, ENQ FAILED - EXECUTION TERMINATED**  
Explanation: The utility ID is currently in use by another active BMC Software utility.  
User response: Use a different utility ID or wait until the other utility completes.

**BMC278011E**  
**ENQ ERROR RC = returnCode IN module - EXECUTION TERMINATED**  
Explanation: An unexpected system error occurred while the product was executing the ENQ SVC.  
User response: If you are unable to determine the cause of the system error, contact BMC Customer Support.

**BMC278012E**  
**objectOwner.objectName PART partitionNumber IN USE, ENQ FAILED - EXECUTION TERMINATED**  
Explanation: The product could not obtain an enqueue on the object name.  
User response: Another BMC Software product might have exclusive use of the object, so check for other utilities on the same partition.

**BMC278013E**  
**objectOwner.objectName IN USE BY UTILNAME: utilityName**  
Explanation: Another utility is using the object exclusively.  
User response: Wait for the other utility to complete, and then resubmit the job.

**BMC278014I**  
**UTILID: utilityID RESET/TERMINATION COMPLETE**  
Explanation: Cleanup of the utility ID in the BMCUTIL and BMCSYNC tables is complete.  
User response: No response is required.

**BMC278015E**  
**INTERNAL ERROR: INVALID OBJECT KIND**  
Explanation: An internal error occurred due to an invalid object type.  
User response: Collect the job output and contact BMC Customer Support.

**BMC278016E**  
**userID USERID TOO LONG FOR DEFAULT UTILID**  
Explanation: The user ID is too long to use for the default utility ID. The user ID must be seven characters or fewer.  
User response: Provide a utility ID parameter instead of using the default utility ID or run the utility under a different user ID.
BMC278017E  INVALID CHARACTER character IN UTILID
Explanation:  The specified character is invalid for a utility ID. (Invalid characters are #, $, @, !, ^, and ¢.)
User response:  Change the utility ID to remove the character.

BMC278018E  UTILID: utilityID IN USE BY UTILNAME: utilityName
Explanation:  The product found the utility ID in the BMCUTIL table for another BMC Software utility.
User response:  Restart or terminate the utility.

BMC278019I  UTILID: utilityID INITIALIZED WITH number OBJECTS
Explanation:  The BMC Software utility synchronization is complete for the specified number of objects.
User response:  No response is required.

BMC278020E  SQLCODE= SQLCode IN FUNCTION name ON STATEMENT statementName
Explanation:  An unexpected SQL error occurred while the product was performing the specified function and statement.
User response:  Review the output for any related SQL messages to determine the problem.

BMC278021E  UNABLE TO LOAD module EXECUTION TERMINATED
Explanation:  The product was unable to load the specified module. Execution could not continue.
User response:  Check the STEPLIB to ensure that all necessary program library data sets are included.

BMC278022E  EXECUTION PARM #6, UTILID, GREATER THAN 16 BYTES
Explanation:  The utility ID parameter is longer than 16 bytes.
User response:  Change the utility ID parameter to be 16 bytes or fewer.

BMC278023E  EXECUTION PARM #7, RESTART, IS INVALID
Explanation:  The restart parameter is invalid.
User response:  Change the restart parameter to a valid value such as NEW or TERM.

BMC278024E  UNEXPECTED RETURN CODE RC = returnCode FROM YDSHR
Explanation:  The program received an unexpected return code while trying to retrieve information about the data sharing group.
User response:  Collect the job output and contact BMC Customer Support.
MESSAGE NUMBER number NOT FOUND
Explanation: The program attempted to issue an error message that was not in the message table.
User response: Collect the job output and contact BMC Customer Support.

UNEXPECTED ERROR returnCode IN MODULE module: text
Explanation: An unexpected error occurred.
User response: Collect the job output and contact BMC Customer Support.

PROCESSING PART: partition objectType objectOwner.objectName
Explanation: The product is processing the object.
User response: No response is required.

TAPI RC= returnCode, REASON= reason, MODULE= module, FUNC= function
Explanation: The product received an unexpected return code from a table access API.
User response: Collect the job output and contact BMC Customer Support.

SQLErrorInformationText
Explanation: An SQL error has occurred.
User response: If you are not able to determine the cause of the error, contact BMC Customer Support.

UTILITY BUILDER API RC= returnCode, UTIL= utilityName
Explanation: An unexpected error occurred in the utility builder API for the specified utility.
User response: For a return code of 1, ensure that there is a UTDEF DD and that it references the correct data sets. BMC278038E might provide additional information.

UNABLE TO ASSIGN JOB FOR objectName actionName
Explanation: During workload balancing, BMCTRIG was unable to assign the specified object to a job.
User response: Increase the values of the options that control the number of jobs or work within a job. Run BMCTRIG again with RESUME Y to build jobs for the objects that did not fit. You can use priorities to order the work.

UNEXPECTED OBJECT SET RC= returnCode, REASON= reason, MODULE= module
Explanation: The product received an unexpected return code from the Object Set API.
User response: Collect the job output and contact BMC Customer Support.
**BMC278034I**

**CORRACT: NAME = objectOwner.objectName - objectType, EXCEPTION = name, ACTION = action**

*Explanation:* This message describes a corrective action row (in the CORRACT table) read for the specified object name. This message is preceded by message BMC278035.

*User response:* No response is required.

**BMC278035I**

**thresholdOrCorrectiveAction ROWS READ FOR OBJECT = objectOwner.objectName, TYPE = objectType, AS FOLLOWS:**

*Explanation:* This message indicates that threshold or corrective action rows are read for the specified object message (BMC278034 or BMC278036) that follows this message.

*User response:* No response is required.

**BMC278036I**

**THRESHOLD: NAME = objectOwner.ObjectName - objectType, EXCEPTION = name, ENABLED = yOrN, PRIORITY = priority, VALUE = thresholdValue**

*Explanation:* This message describes an exception row read for the specified object name. This message is preceded by message BMC278035 or BMC278037.

*User response:* No response is required.

**BMC278037I**

**THRESHOLDS GENERATED FOR OBJECT = objectOwner.objectName, TYPE = objectType, AS**

*Explanation:* System triggers were not specified, and thresholds are generated internally for the specified object. Additional information (BMC278036) follows this message.

*User response:* No response is required.

**BMC278038E**

**UUAPI REASON= text**

*Explanation:* This message contains information about an unexpected error in the Utility Builder API.

*User response:* If you are not able to determine the problem, collect the job output and contact BMC Customer Support.

**BMC278039E**

**name API FAILURE FUNCTION = function, ERROR CODE = returnCode, REASON CODE = reason**

*Explanation:* An unexpected error occurred in the specified API.

*User response:* If you are not able to determine the cause of the error, collect the job output and contact BMC Customer Support.

**BMC278040I**

**SAVESTATS N SPECIFIED objectNames PROCESSING BYPASSED**

*Explanation:* Because you specified the SAVESTATS N option, the product bypasses processing.

*User response:* No response is required.
**BMC278041I**  
**REGISTER Y NOT SPECIFIED, AUTOMATION REGISTRATION**  
*Explanation:* Because REGISTER N, the product bypasses registration to the SmartDBA Database Performance automation component.  
*User response:* No response is required.

**BMC278042E**  
**INCORRECT EXCEPTIONS DEFINITIONS COUNT = number PROGRAM TERMINATED**  
*Explanation:* The number of exceptions that the product found did not match the expected count. BMCTRIG might be running while the Exception Definitions table is being updated to insert or delete exceptions.  
*User response:* Wait for table maintenance to complete and then re-submit the job.

**BMC278043I**  
**GROUPING DISABLED FOR SERVICE service, SEQ number, ACTION action**  
*Explanation:* Grouping was disabled for the named service due to one of the following conditions:  
- Dynamic allocation was not turned on for the action.  
- The action was triggered, but GROUP Y was not set.  
- The service was not within a contiguous set of grouped services either at the beginning or the end of an action.  
*User response:* Depending on which condition caused this error, ensure that dynamic allocation is turned on for the action, ensure that GROUP Y is set, or edit the action or use the automation component to generate the work.

**BMC278044I**  
**EXCLUDED objectType objectOwner.objectName partitionNumber, ACTION action, REASON reason**  
*Explanation:* The product did not process the object during work generation. The product excluded the object for the specified reason.  
*User response:* If the product excluded the object because of priority, you might want to change the value of GENPRIORITY. If the object could not fit within the specified number of jobs, you might want to increase the value of the NUMJOBS option or increase the GENPRIORITY limit. Review the syntax options for other reasons for excluding the object.

**BMC278045I**  
**BYPASSED objectType objectOwner.objectName partition, ACTION action, SERVICE service, reason**  
*Explanation:* The product bypassed the specified object during work generation for the specified action and service.  
*User response:* In some cases, you might want to use IXESCALATE Y or A to escalate indexes to the related table space instead of bypassing them. In other cases, the product bypasses the object to avoid duplicate work, so no action is necessary.
**BMC278046I**  ESCALATED objectType objectOwner.objectName partitionNumber, ACTION action, SERVICE service, reason

**Explanation:** The specified object was escalated to the related object for the specified action and service.

**User response:** Use IXESCALEATE N to prevent the escalation of indexes.

**BMC278047E**  VERSION number TOO HIGH IN controlBlock

**Explanation:** The version number within the control block is too high for the release of DASD MANAGER PLUS.

**User response:** Ensure that the correct libraries are included in the STEPLIB.

**BMC278048I**  AUTOMATION CANDIDATE REGISTRATION COMPLETE - number OBJECTS PROCESSED

**Explanation:** The specified number of objects were registered to the automation component. You can view work in progress by using the SmartDBA console.

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

**BMC278049I**  EXCEPTION TABLE PROCESSING COMPLETE - rowsAdded ROWS ADDED - rowsUpdated ROWS UPDATED

**Explanation:** The exception table inserts and updates for the analysis phase are complete. The message indicates the number of new rows that the product added to the table and the number of rows that the product updated.

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

**BMC278050E**  NOT APF AUTHORIZED

**Explanation:** The program requires APF authorization.

**User response:** Ensure that all load libraries in the STEPLIB are APF-authorized.

**BMC278051W**  objectType objectOwner.objectName EXCLBADSTATUS SPECIFIED - OBJECT IN OTHER THAN RW STATE

**Explanation:** The object is in a DB2 status that is not in read-write state. Because EXCLBADSTATUS was specified, the object is eliminated from further processing.

**User response:** Check the status of the object within DB2, or remove the EXCLBADSTATUS option to allow processing.

**BMC278052W**  objectType objectOwner.objectName PART partitionNumber EXCLBADSTATUS SPECIFIED - OBJECT IN OTHER THAN RW STATE

**Explanation:** The object partition is in a DB2 status that is not in read-write state. Because EXCLBADSTATUS was specified, the object is eliminated from further processing.

**User response:** Check the status of the object within DB2, or remove the EXCLBADSTATUS option to allow processing.
BMC278053W  objectType objectOwner.objectName  PROCESSING SKIPPED - STATS NOT AVAILABLE

Explanation:  The object will not have exceptions evaluated for it because no BMCSTATS are available for it.

User response:  Run BMCSTATS on the object.

BMC278054W  TABLE IN TS  databaseName.tableSpaceName  SKIPPED BECAUSE OF TS RW STATE

Explanation:  Processing for a table contained in the specified table space is skipped because the table space or a table space partition is not in read-write state and the EXCLBADSTATUS option is specified. Message numbers BMC278051 or BMC278052 precede this message.

User response:  Check the status of the object within DB2, or remove the EXCLBADSTATUS option to allow processing.

BMC278055W  REAL TIME STATS FOR  objectType objectOwner.objectName  PART partitionNumber  REQUESTED, FILE MIGRATED - PROCESSING CONTINUES

Explanation:  REALTIMESTATS Y was specified, but the data set for the object has been migrated. The product does not retrieve real-time statistics for the object and continues processing.

User response:  Use the TRIGARCH option to recall and process migrated data sets.

BMC278056W  REAL TIME STATS FOR  objectType objectOwner.objectName  PART partitionNumber  REQUESTED, RECALL FAILED - PROCESSING CONTINUES

Explanation:  REALTIMESTATS Y was specified, but the product did not successfully recall the data set for the object. BMCTRIG does not retrieve the real-time statistics for the object and continues processing.

User response:  Check JES log for messages about the recall failure.

BMC278057E  operation OF DSN dataSetName FAILED  RC = returnCode  ECODE = eCode  ICODE = iCode

Explanation:  Dynamic allocation or de-allocation of the data set failed with the specified return code, ECODE, and ICODE. ECODE and ICODE are in hexadecimal.

User response:  Check the JES message log for IEC messages.

BMC278058I  RECALL OF DSN dataSetName SUCCESSFUL

Explanation:  The data set was migrated, but has been successfully recalled.

User response:  No response is required.

BMC278059E  REQUIRED DATA NOT ENTERED

Explanation:  Required data was not entered.

User response:  Enter data in the field.
**BMC278060E**  VALUE OUT OF RANGE *number*, VALID RANGE *lowValue* TO *highValue*

*Explanation:* The value that you entered is out of range.

*User response:* Enter a value within the specified range.

**BMC278061E**  INVALID DATA: *data*

*Explanation:* The specified data is invalid.

*User response:* Enter valid data.

**BMC278062W**  USER EXCEPTION name EXEC executableName NOT PROCESSED: *warning*

*Explanation:* A user exception REXX executable did not process for the specified reason.

*User response:* Depending on the warning message that you receive, respond as follows:

<table>
<thead>
<tr>
<th>Warning</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIOR REXX ENVIRONMENT ERROR or EXECUTOR ABEND - REXX MESSAGE FOLLOWS</td>
<td>Review the SYSTSPRT DD or AEXPRINT DD output or REXX messages. If you are unable to determine the cause of the error, contact BMC Customer Support.</td>
</tr>
<tr>
<td>EXEC NOT FOUND</td>
<td>Review the SYSEXEC DD library concatenation and make the executable available.</td>
</tr>
<tr>
<td>DD SYSEXEC NOT ALLOCATED</td>
<td>Ensure that the SYSEXEC DD library concatenation is included in the job step.</td>
</tr>
</tbody>
</table>

**BMC278063I**  USER EXCEPTION: EXEC = executableName EXCEPTION NAME = name PROCESSING beginsOrEnds

*Explanation:* This message indicates that the specified user exception REXX exec has begun or terminated execution. This message appears only in the SYSPRINT DD file.

*User response:* No response is required.

**BMC278064I**  USER EXCEPTION name EXEC executableName GENERATED AN EXCEPTION

*Explanation:* The specified user exception raised an exception.

*User response:* No response is required.

**BMC278065W**  USER EXCEPTION name EXEC executableName ENCOUNTERED A SYNTAX ERROR SEE DD SYSTSPRT OR AEXPRINT OUTPUT

*Explanation:* The specified user exception REXX EXEC has encountered a syntax error.

*User response:* Review the SYSTSPRT DD for REXX messages.
BMC278066I  PHASE phase, SUBPHASE subPhase, TIME time
Explanation: This message displays the current time stamp at the beginning of the specified phase and subphase.
User response: No response is required.

BMC278067I  IX indexOwner partitionNumber ACTION action ESCALATED TO TS DUE TO reason
Explanation: The product will process the related table space or partition for the specified action instead of the index due to the specified reason.
User response: No response is required.

BMC278068E  BMCCatalogAPIErrorMessage
Explanation: The BMC catalog API (SCCCGCAT) returned the specified error string.
User response: If you are unable to resolve the problem, collect the job output and contact BMC Customer Support.

BMC278069E  UNABLE TO CREATE DYNAMIC TS CONTROL BLOCK FOR M databaseName. tableSpaceName
Explanation: An internal error occurred creating a dynamic table space control block during the escalation process. Execution is terminating. A diagnostic message accompanies this message.
User response: If you are unable to determine the cause of the error, contact BMC Customer Support.

BMC278070I  ESCALATED: IX = indexOwner.indexName TO TS databaseName.tableSpaceName XNAME = name
Explanation: The product escalated the index exception from the index to the table space.
User response: No response is required.

BMC278071I  HYBRID: IX = indexOwner.indexName TO TS databaseName.tableSpaceName XNAME = name
Explanation: The product detected the specified hybrid index exception for the index and raised the exception against the associated table space for corrective action.
User response: No response is required.

BMC278072I  ESCALATED: IP = indexOwner.indexName PART = partitionNumber TO TS databaseName.tableSpaceName XNAME = name
Explanation: The product escalated the index partition exception from the index to the table space.
User response: No response is required.
**BMC278073I**

**HYBRID: IP = indexOwner.indexName PART = partitionNumber to TS databaseName.tableSpaceName XNAME = name**

*Explanation:* The product detected the specified hybrid index partition exception for the index and raised the exception against the associated table space for corrective action.

*User response:* No response is required.

**BMC278074W**

**HYBRID: WARNING XNAME = name SOURCE EXCEPTION NOT FOUND**

*Explanation:* The product could not find the source index or index partition exception data during hybrid exception processing. The hybrid exception will not be raised on the associated table space. This is an internal error, so processing will continue.

*User response:* If BMCTRIG produces unexpected results, contact BMC Customer Support.

**BMC278075E**

**STATIC ALLOCATION DETECTED FOR SERVICE service, SEQ sequence**

*Explanation:* The service contained options that require static allocation of data sets, but the automation component supports only dynamically allocated data sets.

*User response:* Edit the options for data set allocation in the service syntax for the action to use dynamic allocation. Alternately, generate jobs by using standard JCL mode in the automation component.

**BMC278076E**

**NO QUALIFIED OBJECTS FOUND**

*Explanation:* BMCTRIG did not find any qualified objects for the object name pattern or object set specified in the syntax. However, because you specified that BMCTRIG should continue in this situation, BMCTRIG generated one or more BR14 jobs based on the NUMJOBS and STDJCL option settings. BMCTRIG did not issue RC=4.

*User response:* No action is required.

**BMC278077E**

**SERVICE service NOT ALLOWED IN AUTOMATION MODE**

*Explanation:* The product does not support the specified service in full automation mode.

*User response:* Remove the service from the action, or use standard JCL mode to generate jobs.

**BMC278078E**

**RMGR GROUP REFERENCED BUT SYNONYM NOT DEFINED FOR ACCESS**

*Explanation:* The object set contains a specification for a BMC Software RECOVERY MANAGER for DB2 group, but the synonym to retrieve the information from the RMGR repository is not defined.

*User response:* Create SYNONYM BMCASU_GROUPOBJ to reference the RMGR GROUPOBJ table, and rebind package ASUQRMG.
BMC278079I  REGISTER Y SPECIFIED, SAVESTATS RESET TO Y

Explanation:  The REGISTER Y option requires that you specify SAVESTATS Y in order to track automation candidate registration information in the EXCEPTIONS table. The current SAVESTATS value is reset to Y.
User response:  No response is required.

BMC278080E  UNABLE TO LOCATE EXCEPTION ROW objectOwner objectName-
partitionNumber - type XNAME = exceptionName FOR REGID UPDATE

Explanation:  The specified exception row in the BMCTRIG exceptions table could not be retrieved to update the registration ID. The registration repository and the BMCTRIG exceptions table are not synchronized
User response:  Contact BMC Customer Support.

BMC278081W  CANDIDATE ROW FOR objectOwner.objectName - type REGID
registrationID NOT FOUND FOR UPDATE - PROCESSING CONTINUES

Explanation:  The specified automation repository candidate could not be retrieved for candidate priority update processing.
User response:  No response is required.

BMC278082I  EXCEPTION ROWS REMAIN ACTIVE DUE TO REGID FOR objectOwner
objectName type

Explanation:  BMCTRIG could not inactivate the specified active exceptions table row during work generation because the exception is registered for automation processing.
User response:  No response is required.

BMC278083W  REGISTER Y REQUESTED - BMCTRIG NOT LICENSED FOR AUTOMATION -
PROCESSING TERMINATED

Explanation:  The REGISTER Y option requires the correct BMC solutions license and product password.
User response:  Contact BMC Customer Support.

BMC278084I  PAGE COUNT NOT RETRIEVED FOR objectType objectOwner.objectName
partitionNumber

Explanation:  During workload balancing, BMCTRIG was unable to determine the estimated number of pages for the named object. BMCTRIG will continue processing.
User response:  No action is required. However, BMCTRIG might not achieve the optimal workload balance if it cannot determine the size of the object. To determine an accurate page count, you might need to collect statistics on the object.
BMC278085E UNABLE TO LOCATE TS ASSOCIATED WITH IX {indexOwner indexName}

Explanation: During index escalation or HYBRID exception processing, BMCTRIG was unable to locate the table space associated with the specified index.

User response: Contact BMC Customer Support.

BMC278086I DUP/SUBSET ACTION DETECTED: {actionName} REPLACES {otherActionName} FOR {objectOwner objectName objectType}

Explanation: During corrective action analysis processing, BMCTRIG determined that the first specified corrective action was a superset of the second specified action. BMCTRIG replaced the second specified action.

User response: No response is required.

BMC278087I MAXOBJECTS OPTION IGNORED FOR WORKLOAD BALANCING

Explanation: BMCTRIG does not use the MAXOBJECTS option with workload balancing (JCLWLB Y), so the option will be ignored when distributing work among the jobs.

User response: No response is required. To balance the workload, use MAXSTEPS to limit the amount of work for a particular job.

BMC278088E UNABLE TO ATTACH AUTHORIZATION SUBTASK - {processName} - FAILURE RC = {returnCode}

Explanation: BMCSTATS was unable to attach the security authorization subtask. The specified process failed and issued the specified return code.

User response: Contact BMC Customer Support.

BMC278089E AUTHORIZATION SUBTASK FAILED - {reason}

Explanation: The BMCSTATS security authorization subtask failed and issued the specified return code. A memory dump might accompany this message.

User response: Contact BMC Customer Support.

BMC278091E ERROR GENERATING SYNTAX FOR SERVICE {sequenceNumber}, ACTION {actionName}

Explanation: An error occurred while generating syntax for the service at the sequence number shown within the action. The most likely cause is that one or more lines of the expanded text exceeded 71 characters.

User response: Review the service syntax to ensure that when symbolic variables are substituted no lines exceed 71 characters.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Description</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC278092E</td>
<td>UNEXPECTED ERROR IN MODULE moduleName: subroutineName - CONTROL BLOCK DUMP TAKEN - SEE SYSTERM O/P</td>
<td>An unexpected error occurred in the specified module and subroutine. The associated control blocks are dumped to the SYSTERM DD output file.</td>
<td>Contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC278093W</td>
<td>JCLGEN Y OR REGISTER Y SPECIFIED BUT SYSTEMTRIGGERS OR UTILJOB NOT SPECIFIED - CORRECTIVE ACTIONS NOT POSSIBLE</td>
<td>You specified the JCLGEN or REGISTER options, but did not specify the SYSTEMTRIGGERS and UTILJOB options. Therefore, no corrective actions exist. If no corrective actions exist, the JCLGEN or REGISTER phases do not produce output.</td>
<td>To generate work, specify a UTILJOB or SYSTEMTRIGGERS that have corrective actions.</td>
</tr>
<tr>
<td>BMC278094E</td>
<td>DB2 SERVICES API FAILURE RC= returnCode FC= functionCode ERROR= errorCode</td>
<td>The DB2 Services component has encountered a severe error.</td>
<td>If the error persists, collect the job output and contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC278095I</td>
<td>TS ACTION correctiveAction SUPERCEDES supercededAction FOR indexOwner.indexName objectType - exceptionName</td>
<td>You specified ELIMDUPACTS Y. ELIMDUPACTS processing encountered a table space corrective action that contains actions that are supersets of the superseded action for the specified exception on the specified index or index part. To eliminate duplicate work, the superseded action has been eliminated in favor of the table space corrective action.</td>
<td>No response is required.</td>
</tr>
<tr>
<td>BMC278096E</td>
<td>APIName API FAILURE FUNCTION = functionName - errorString</td>
<td>The specified API name failed in the specified function name. This message also provides a short explanation of the failure.</td>
<td>If you are unable to correct the problem, contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC278097W</td>
<td>ACTION UPDATE IGNORED FOR REGISTERED EXCEPTION exceptionName ON objectOwner.objectName objectType - objectPart</td>
<td>BMCTRIG detected the specified exception on the specified object for a specific corrective action. However, the object and exception are registered to the automation component for another corrective action. BMCTRIG cannot change the action on an exception that is registered to the automation</td>
<td></td>
</tr>
</tbody>
</table>
component and has to bypass the exception's corrective action update. BMCTRIG processing continues.

User response: Either allow the automation component to schedule and execute the currently registered corrective action for the object, or use the SmartDBA console to delete the object from the corrective action candidate list. Then rerun the BMCTRIG job step.

**BMC278098I**  
**AGGREGATE STATISTICS NOT PRODUCED FOR**  
**objectOwner.objectName columnName**

Explanation: BMCSTATS is processing a subset of partitions for statistics collection. BMCSTATS did not produce aggregated level statistics for the object due to missing partition statistics. The column name might be blank, depending on the object type.

User response: Specify FORCEROLLUP Y or collect statistics on all partitions.

**BMC278099I**  
**AGGREGATE COLDIST STATISTICS NOT PRODUCED FOR**  
**objectOwner.objectName numberOfColumns**

Explanation: BMCSTATS is processing a subset of partitions for statistics collection. BMCSTATS did not produce aggregate level statistics for the object due to missing partition statistics for the number of columns shown.

User response: Collect statistics for all partitions in which the NUMCOLUMNS value is greater than or equal to the value shown.

**Messages BMC278100 through BMC278199**

For the DASD MANAGER PLUS *for DB2* product, this topic explains each message in the designated range.

**BMC278100E**  
**ALL CANNOT BE SPECIFIED WITH THE COLGROUP**

Explanation: The COLGROUP option is available only with explicit TABLE names in BMCSTATS.

User response: Specify the TABLE keyword before the COLGROUP option in the syntax.

**BMC278101E**  
**THE TABLE KEYWORD MUST BE SPECIFIED WITH THE COLUMN OR COLGROUP KEYWORDS**

Explanation: A TABLE keyword was not specified in the syntax before the COLUMN or COLGROUP option.

User response: Add the TABLE keyword for the COLUMN or COLGROUP before the COLUMN or COLGROUP option.
THE COLUMN KEYWORD CAN ONLY BE SPECIFIED ONCE WITH EACH TABLE KEYWORD

Explanation: The COLUMN option was specified more than once for each TABLE keyword.

User response: Combine the columns on which you plan to collect statistics within a single COLUMN option for the corresponding TABLE keyword. Alternatively, you can enter one COLUMN option for each TABLE keyword.

UNABLE TO INITIALIZE USER EXCEPTION REXX taskType

Explanation: REXX initialization failed, possibly due to a storage shortage in the REXX program execution environment.

User response: Increase the region size for the job and retry the operation. If the failure persists or if you receive an associated abend, contact BMC Customer Support.

THE COLGROUP KEYWORD CAN ONLY BE SPECIFIED FOR BMCSTATS

Explanation: The COLGROUP option is valid only for BMCSTATS.

User response: Remove the COLGROUP option from the specification and retry the operation.

STATS NOT FOUND FOR objectType objectOwner.objectName PART partition

Explanation: BMCCPRS or BMCUPRS could not locate statistics for the specified object. Therefore, BMCUPRS or BMCCPRS could not copy the statistics.

User response: Collect statistics on the object before running BMCUPRS or BMCCPRS.

OPTION optionName IGNORED DUE TO reason

Explanation: DASD MANAGER PLUS ignored the specified option for the reason shown.


REAL TIME STATS SMAP ERROR FOR TS databaseName.tableSpaceName PART partition PROCESSING CONTINUES

Explanation: During BMCTRIG REALTIMESTATS processing, an error occurred for the specified table space partition. Processing continues, but BMCTRIG REALTIMESTATS collection does not continue for the object.

User response: No response is required.

I/O ERROR ON DD ddname, CHECK JES MESSAGES

Explanation: An I/O error occurred on the data set for the specified ddname.

User response: For more information, see JES messages.
BMC278109I  STATS NOT FOUND FOR objectType objectOwner.objectName.column PART partition
Explanation: BMCUPRS did not find statistics for the specified column’s partition. Therefore, BMCUPRS could not copy the statistics.
User response: Collect statistics on the column before running BMCUPRS.

BMC278110I  OBJECT BYPASSED, NO QUALIFIED PARTITIONS - objectType objectOwner.objectName
Explanation: The object name was bypassed because it did not contain any qualified partitions.
User response: Verify the PARTITION option and object name or wildcard.

BMC278111E  REQUIRED VALUE FOR OPTION optionName NOT SPECIFIED
Explanation: A required value for the specified option is missing.
User response: Enter a value for the option and retry the operation. For more information about options and required values, see the DASD MANAGER PLUS for DB2 Reference Manual.

BMC278112I  ALTDD LONGER THAN MAX FOR PARTITIONED OBJECT
Explanation: The value for ALTDD is longer than the maximum for a partitioned object. For partitioned objects, the ALTDD names a ddname prefix. BMCSTATS appends the partition number to the prefix to form the actual ddname.
User response: Enter a valid value to the ALTDD option. For more information, see the DASD MANAGER PLUS for DB2 Reference Manual.

BMC278113I  MAINTENANCE: PTFNumber
Explanation: The specified PTF has been applied for maintenance.
User response: No response is required.

BMC278114E  THE columnName KEYWORD SUPPORTS A MAXIMUM OF 40 COLUMNS
Explanation: The column or column group list contained more than 40 columns.
User response: Specify up to 40 columns when using the COLUMN or COLGROUP options. Alternatively, for the COLUMN option, you can specify COLUMN ALL to gather statistics for all columns.
BMC278115E objectOwner.objectName NOT PROCESSED DUE TO CONTAINING AN OBJECT CREATOR OR NAME IN EXCESS OF DASD MANAGER’S MAXIMUM SUPPORTED LENGTH

Explanation: DASD MANAGER PLUS did not process the specified object because the object contained an object creator whose name exceeded the maximum length that this version of the DASD MANAGER PLUS supports.

User response: To avoid receiving this message, remove the object from the selection by using an object set exclusion. For more information about supported objects, see the DASD MANAGER PLUS for DB2 User Guide.

BMC278116E CATALOG RETRIEVAL OF TABLE DBID= dbid OBID= obid FOR TABLESPACE databaseName.tableSpaceName NOT FOUND

Explanation: DASD MANAGER PLUS is unable to retrieve catalog information for the specified object.

User response: The DBD and catalog may be out of sync. Contact BMC Customer Support.

BMC278117W SCCVERSN LOAD FAILED. UNABLE TO DETERMINE SCC VERSION

Explanation: DASD MANAGER PLUS is unable to load the SCCVERSN module to determine the DB2 Solution Common Code (SCC) version for the BMC Software utility common code.

User response: Verify that the STEPLIB is correct and contains the SCCVERSN module in one library.

BMC278118I DB2 SERVICES MANAGER version

Explanation: This message specifies the DB2 Services Manager (or SCC) version number.

User response: No response is required.

BMC278119W UPDATEDB2STATS Y NOT SPECIFIED COLGROUP KEYWORD IGNORED

Explanation: BMCSTATS did not collect COLGROUP statistics because you did not specify the UPDATEDB2STATS option.

User response: To collect COLGROUP statistics, specify UPDATEDB2STATS Y or UPDATEDB2STATS ALL.

BMC278120I objectType objectOwner.objectName IS IN A REBUILD PENDING STATUS.

Explanation: The specified object is in rebuild pending status and will not be processed.

User response: Correct the rebuild pending status and retry the operation.

BMC278121I DOPTS INFO - option value

Explanation: This message specifies an installation options module variable and its current setting.

User response: No response is required.
BMC278123I  REAL TIME STATS NOT AVAILABLE - DIAGNOSTIC MESSAGE # BMC
messageNumber FOLLOWS - PROCESSING CONTINUES

Explanation:  BMCTRIG could not collect real time statistics. Processing
continues without real time statistics.

User response:  Review the related error message for more information about
the issue.

BMC278124I  ICF LOCATE ERROR ON TS databaseName.tableSpaceName PART
partition; DATASET NOT FOUND

Explanation:  The data set for the specified table space partition was not found
in the ICF catalog. Processing continues without real time statistics.

User response:  Check ICF information about the related data set.

BMC278125I  AGGREGATED STATS NOT FOUND FOR objectType
objectOwner.objectName

Explanation:  BMCUPRS could not locate aggregated statistics for the object.
Therefore, the DB2 catalog could not be updated with the information.

User response:  To update the DB2 catalog with statistics for the object, run
BMCSTATS with SAVESTATS Y for the object.

BMC278126I  UTILID: utilityID number OBJECTS SKIPPED - PROCESSING BY OTHER
UTILITY

Explanation:  BMCSTATS could not process some of the objects because they
were in use by another utility that has exclusive use privileges. BMCSTATS
processing continues.

User response:  Retry the BMCSTATS job when the other utility completes.

BMC278129W  DELETEAGE PROCESSING DETECTED ONE OR MORE NON-DELETABLE
REGISTERED ROWS - PROCESSING CONTINUES

Explanation:  BMCTRIG could not delete one or more exception rows during
DELETEAGE processing due to restrictions. BMCTRIG processing continues.

User response:  If the exception is registered to Automation, delete the related
work order through the console, or wait for it to complete before deleting the
exception(s).

BMC278130I  STATS NOT WRITTEN TO DB2 CATALOG FOR objectType
objectOwner.objectName DUE TO OMITCARD0 PROCESSING

Explanation:  OMITCARD0 was requested and the object contains no rows.
Therefore, BMCSTATS did not write statistics to the DB2 catalog for the
specified object.

User response:  No response is required.
**BMC278131I**

STATS NOT WRITTEN TO DB2 CATALOG FOR `objectType objectOwner.objectName PART partition DUE TO OMITCARD0 PROCESSING

*Explanation:* OMITCARD0 was requested and the object contains no rows. Therefore, BMCSTATS did not write statistics to the DB2 catalog for the specified object.

*User response:* No response is required.

**BMC278132I**

STATS NOT WRITTEN TO DB2 CATALOG FOR `objectType objectOwner.objectName DUE TO OMITCARD0 PROCESSING

*Explanation:* OMITCARD0 was requested and the object contains no rows. Therefore, BMCSTATS did not write statistics to the DB2 catalog for the specified object.

*User response:* No response is required.

**BMC278133W**

IX `indexOwner.indexName` BYPASSED. DPSI REQUIRES KEYCARD Y

*Explanation:* BMCSTATS did not process the specified index (a data-partitioned secondary index, or DPSI) because you did not specify KEYCARD Y. BMCSTATS requires KEYCARD Y to collect statistics on DPSIs.

*User response:* When running BMCSTATS, specify KEYCARD Y to process the index. Alternatively, you can use an object set to exclude the index from execution.

**BMC278134E**

NULL INDICATOR MISSING FOR COLUMN `columnName` of DB=`databaseName` TS=`tableSpaceName` TABLE=`tableOwner.tableName`, PART=`partitionNumber`, PAGE=`pageNum` ROW OFFSET=`rowOffset`

*Explanation:* The object specified in the message was recovered incorrectly to an earlier version of the object which does not match the catalog’s version of the object. Consequently, BMCSTATS could not interpret the object’s row and column data.

*User response:* Contact BMC Customer Support.

**BMC278135E**

ROW POINTER PAST END OF PAGE FOR DB=`databaseName` TS=`tableSpaceName` TABLE=`tableOwner.tableName`, PART=`partitionNumber`, PAGE=`pageNum` ROW OFFSET=`rowOffset`

*Explanation:* The most likely reason for this error is that BMCSTATS encountered ALTER added columns that contain default values at the end of a table.

*User response:* If this error occurred due to the reason specified, reorganize your table space and retry the operation. Otherwise, contact BMC Support.

Explanation:  When attempting to establish a DB2 connection, the specified API function encountered an error, for the reason specified in this message. This error can occur when one of the following conditions exists:

- You specify an invalid DB2 subsystem name or plan name.
- DASD MANAGER PLUS encounters a DB2 subsystem that is not active.
- The plan has a resource issue.

User response:  Note the error number and the name of the panel that produced the error, and contact BMC Customer Support.

BMC278137E  ASUDYNBI API ERROR. API FUNCTION: functionName RC returnCode RSN: reasonCode. REASON TEXT: reason

Explanation:  When attempting to perform the dynamic bind process for one of the API’s SQL modules, the specified API function listed encountered an error, for the reason specified in this message. This error can occur if the DASD MANAGER PLUS plan does not have the following collection IDs in its PKLIST as the first two collection IDs: BMCSCC.* and planName.* (where planName is the plan encountering the error).

User response:  If you have the BMCSCC.* and planName.* collections in the plan, review the additional diagnostic messages in the SYSTERM DD for further resolution. If you cannot resolve the issue after reviewing these messages, contact BMC Customer Support.

BMC278138E  AN INTERNAL OR ENVIRONMENTAL ERROR HAS OCCURRED IN THE DYNAMIC BIND API (REASON CODE IS reasonCode). CONTROL BLOCK DUMPS FOLLOW:

Explanation:  An unexpected condition was 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 subsequent BMC278028 messages dump the specific control blocks involved in the API call. A dump is taken to the SYSTERM at the time of this error message.

User response:  Collect all of the output from the failing run, including the dump, and contact BMC Customer Support.

BMC278139E  A SQL ERROR HAS OCCURRED IN THE DYNAMIC BIND API. DETAILS FOLLOW:

Explanation:  SQL to extract environmental information in the dynamic bind API failed. Several subsequent BMC278028 messages contain 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 utility’s installation or configuration. If the subsequent messages cite a -805 or -818 SQLCODE error, the plan for the utility was probably not bound correctly. The plan must refer only to PKLIST and not to any MEMBER specifications.

User response: If subsequent messages cite a -805 or -818 SQLCODE error, check your installation output and make sure the plan was bound correctly, and that it is the plan displayed in the BMC16699 message at the beginning of utility execution. Make any necessary corrections, BIND the plan, and retry utility execution.

Otherwise, contact BMC Customer Support. Please have the output from the utility and your installation output available.

BMC278140E YOUR PLAN BIND MUST INCLUDE A PKLIST PARAMETER FOR 'BMCSCC.*' AND AN ID WITH THE SAME NAME AS THE PLAN
Explanation: The dynamic bind code received a -805 SQLCODE error.
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, ASU910DS, the PKLIST specification would be PKLIST(ASU910DS.*, BMCSCC.*).

BMC278141I RETURN CODE returnCode FROM DYNAMIC BIND. OUTPUT FROM BIND FOLLOWS:
Explanation: 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 BMC278028 messages that follow message BMC278140E. BMC278141I 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 might 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: No action is required if the utility completed successfully. If the error messages indicate that a table or synonym is missing, rerun the appropriate part of the utility installation on the DB2 subsystem. Otherwise, contact BMC Customer Support.

BMC278142E 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.
Support to help them resolve the problem as quickly as possible. Several subsequent messages dump more specific error messages.

User response: Collect all of the output from the failing run. Contact BMC Customer Support.

**BMC278143E**

**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 personnel to help them resolve the problem as quickly as possible. Subsequent messages dump more specific error messages.

User response: Collect all of the output from the failing run. Contact BMC Customer Support.

**BMC278144E**

**A SERIOUS ERROR HAS OCCURRED IN THE DYNAMIC BIND API, LEAVING A SYSTABLES ROW WITH INVALID IDS:**

*Explanation:* A serious error occurred during the dynamic bind process. A row in SYSIBM.SYSTABLES was left with invalid values for DBID and OBID. This may cause failures in the installation of other BMC products that share the table. Several explanatory messages follow.

User response: Contact BMC Support. Please have all of the output from the failing utility available.

**BMC278145E**

**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 the next planned shutdown of DB2, or to attempt other recovery actions as suggested by BMC Customer Support.

**BMC278146E**

**YOU CAN TRY BRINGING DB2 DOWN AND BACK UP, OR CONTACT BMC SUPPORT**

*Explanation:* This message follows BMC278145 to explain your options.

User response: Refer to the instructions for message BMC278145.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Description</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC278147E</td>
<td>UNEXPECTED REASON CODE <code>reasonCode</code> RETURNED FROM DYNAMIC BIND PROGRAM. RETURN CODE IS <code>returnCode</code></td>
<td>This message reports an internal error. Additional diagnostics are presented subsequently in message BMC278028.</td>
<td>Contact BMC Customer Support. Have the output of the failing run available.</td>
</tr>
<tr>
<td>BMC278148E</td>
<td>THE <code>APIname</code> API ENCOUNTERED AN ERROR. REASON TEXT: RETURN CODE IS <code>returnCode</code> <code>reason</code></td>
<td>The named API encountered an error.</td>
<td>Note the return code number, the report, or the name of the panel that produced the error, and contact BMC Customer Support.</td>
</tr>
<tr>
<td>BMC278149I</td>
<td>BMCSTATS IS COLLECTING STATS AGAINST <code>objectType</code> WHOSE INTERNAL ROW FORMAT DIFFERS FROM ITS CATALOG DEFINED ROW FORMAT. TS= <code>databaseName.tableSpaceName</code> PART= <code>partitionNumber</code> INTERNAL ROW FORMAT= <code>rowFormatType</code> CATALOG ROW FORMAT= <code>catalogRowFormat</code></td>
<td>BMCSTATS encountered a format mismatch between the internal row format of the table space or image copy and the catalog-defined row format. This message is informational only. BMCSTATS continues to collect statistics on the named objects.</td>
<td>For the most accurate statistics, consider running a REORG on the table space or, for image copies, taking a new image copy to match the current catalog format.</td>
</tr>
<tr>
<td>BMC278150E</td>
<td>ASUEXTB API ERROR - <code>error</code></td>
<td>This message notifies the CONDEXEC user that an internal error occurred when the ASU exceptions table program was invoked. Following is a list of possible errors:</td>
<td>Contact BMC Customer Support.</td>
</tr>
</tbody>
</table>

- UNSUPPORTED FUNCTION
- INPUT PARAMETER ERROR
- TIMESTAMP FORMAT ERROR
- EXCEPTION DEFINITION ERROR
- EDV API ERROR
- UNKNOWN ERROR

User response: Contact BMC Customer Support.
ATTRIBUTE MISMATCH FOR objectType objectOwner.objectName IN
TABLE tableName. OBJECT BYPASSED.

Explanation: BMCUPRS was not able to process the statistics for the named object. The statistics that BMCUPRS found were inconsistent with the DB2 catalog information.

User response: To ensure that the BMCSTATS tables contain current statistics, run BMCSTATS with SAVESTATS YES on the object.

INDEX Y USED WITH UNQUALIFIED OBJECTSET. DUPLICATE INDEX RETRIEVAL MAY RESULT.

Explanation: The specified syntax uses OBJECTSET without qualifying it with TABLESPACE and also uses INDEX Y (the default). As a result, DASD MANAGER might retrieve indexes more than once.

User response: Review the object set definition. Add INDEX N, or add an object type keyword such as TABLESPACE to improve performance.

BEGINNING STATISTICS COLLECTION ON objectType
objectOwner.objectName PART partitionNumber, timeStamp

Explanation: BMCSTATS statistics collection has started.

User response: No action is required.

COMPLETED STATISTICS COLLECTION ON objectType
objectOwner.objectName PART partitionNumber, timeStamp

Explanation: BMCSTATS statistics collection for the named partition is complete.

User response: No action is required.

COMPLETED PROCESSING FOR objectType objectOwner.objectName,
    timeStamp

Explanation: BMCSTATS statistics processing is complete.

User response: No action is required.

COLGROUPOCUNT FOUND WITHOUT A PRECEDING COLGROUP

Explanation: The COLGROUPOCUNT keyword was specified without the COLGROUP keyword.

User response: Specify the COLGROUPOCUNT keyword with the COLGROUP keyword and retry the operation.

THE COLGROUPOCUNT KEYWORD CAN ONLY BE SPECIFIED WITH BMCSTATS

Explanation: The COLGROUPOCUNT keyword was specified with a utility other than BMCSTATS.

User response: No action is required.
BMC278158E  HISTOGRAM FOUND WITHOUT A PRECEDING COLGROUP

Explanation: The HISTOGRAM keyword was specified without the COLGROUP keyword.

User response: Specify the HISTOGRAM keyword with the COLGROUP keyword and retry the operation.

BMC278159E  THE HISTOGRAM KEYWORD CAN ONLY BE SPECIFIED FOR BMCSTATS

Explanation: The HISTOGRAM keyword was specified with a utility other than BMCSTATS.

User response: No action is required.

BMC278160E  THE TABLE KEYWORD MUST BE SPECIFIED WITH THE HISTOGRAM KEYWORD

Explanation: The HISTOGRAM keyword was specified without the TABLE keyword.

User response: Specify the TABLE keyword with the HISTOGRAM keyword and retry the operation.

BMC278161W  UNABLE TO EVALUATE EXCEPTION exceptionName DUE TO NULL RTS DATA FOR objectType objectOwner.objectName partitionNumber

Explanation: The RTS statistic that is related to the specified exception has NULL as its value and could not be evaluated. DB2 or BMC utilities will update the RTS statistic upon execution. BMCTRIG can then evaluate the statistic.

User response: See the IBM administration guide for more information about collecting RTS statistics.

BMC278162W  EXCEPTION ROW FOUND BUT WILL NOT BE EVALUATED, NAME=exceptionName. CODE MAY BE AT A LOWER LEVEL THAN TABLE DATA

Explanation: BMCTRIG found a BMC-required exception definition in the EXCEPTION_DFN table and it does not know how to evaluate the exception. A new version of DASD MANAGER PLUS may have been installed using the same tables or synonyms as the executing version of BMCTRIG. BMCTRIG continues processing but will not evaluate the specified exception.

User response: Verify that your BMCTRIG job is using the appropriate STEPLIB and options module. Use the ISPF interface to review the current environment and verify that the package is bound to the appropriate tables.

BMC278163W  INCOMPLETE CATALOG UPDATE FOR objectOwner.objectName PART partitionNumber

Explanation: BMCUPRS was unable to successfully update the DB2 catalog statistics due to receiving a SQLCODE 100 (not found). The BMCSTATS table data might be obsolete or incomplete.

User response: Run BMCSTATS and specify UPDATEDB2 ALL on the object to collect a complete set of statistics. As an alternative to specifying UPDATEDB2 ALL, run BMCUPRS after running BMCSTATS.
UNABLE TO RETRIEVE RTS DATA DUE TO SQLCODE sqlcode

Explanation: The RTS catalog tables do not exist or cannot be accessed.

User response: Take the appropriate action based on the SQLCODE encountered. See the IBM administration guide for more information about collecting RTS statistics.

RTS DATA NOT FOUND FOR objectType objectOwner.objectName partitionNumber

Explanation: BMCTRIG could not find any rows for the specified partition. Processing continues, but BMCTRIG bypasses any exceptions that you specified for evaluation.

User response: DB2 or BMC utilities insert RTS data. For DB2 version 8 or earlier, you must request RTS data collection for DB2 or BMC utilities to collect the data. After data collection is in place, BMCTRIG will be able to evaluate the statistics. See the IBM administration guide for more information about collecting RTS statistics.

UNABLE TO EVALUATE EXCEPTION exceptionName DUE TO DB2RTS N

Explanation: The specified exception requires DB2 real-time statistics, but BMCTRIG is unable to evaluate the exception because DB2RTS N is specified.

User response: Specify DB2RTS Y and retry the operation.

SCC COMPONENT BELOW MINIMUM LEVEL. MINIMUM LEVEL IS level

Explanation: The SCC component level is below the minimum level that DASD MANAGER PLUS requires. The message specifies the required level.

User response: Review the STEPLIBs that the job uses to ensure you are using the appropriate BMC libraries.

UPDATEDB2STATS Y NOT SPECIFIED IXNUMQUANTILES KEYWORD IGNORED

Explanation: BMCSTATS did not collect histogram statistics because you did not specify the UPDATEDB2STATS option.

User response: To collect histogram statistics, specify UPDATEDB2STATS Y, UPDATEDB2STATS A, or UPDATEDB2STATS P.

CORRECTIVE ACTION ANALYSIS FAILED DUE TO OBJECT SET EXPANSION FAILURE

Explanation: BMCTRIG encountered an object set expansion error during corrective action analysis. A corrective action is defined on an object set, but an attempt to determine the result set failed.

User response: Use the ISPF dialog to review the corrective action definitions on your system. Specify type OS to locate actions defined on object sets. Using the Object Set dialog, view objects for each set to determine the source of the error.
**BMC278170E**  
DBSFUNC(*function*) = *function*, DBSEC(*sec*) = *secName*, DB2 REASON CODE (IF AVAILABLE) = *reason*  

Explanation: An error occurred for the reason specified in the message.  

User response: Either attempt to correct the problem by using the information in the error message, or contact BMC Customer Support.

**BMC278171E**  
o*objectType* o*objectOwner*.o*objectName* ASSOCIATED WITH UNSUPPORTED OBJECT: *objectType*  

Explanation: BMCSTATS did not collect statistics for the specified object because it is associated with an unsupported object. BMCSTATS processing continues.  

User response: No action is required.

**BMC278172I**  
OPTION *option* IGNORED FOR *objectType* o*objectOwner*.o*objectName* DUE TO *reason*  

Explanation: BMCSTATS could not process the specified option for the object listed due to the reason specified in the message. BMCSTATS processing continues.  

User response: No action is required.

**BMC278173E**  
NO MATCHING KEYTARGET DATA FOR XML INDEX *indexOwner*.i*indexName* KEYSEQ=*sequenceNumber*  

Explanation: DASD MANAGER PLUS could not locate the KEYTARGET data for the specified index.  

User response: Verify that you have run BMCSTATS with the option SAVESTATS Y for the specified index.

**BMC278174I**  
ZIIP ENABLED (*xbmReturnCode*) USING XBM SUBSYSTEM *ssid*  

Explanation: BMCSTATS enabled zIIP processing successfully, and discovered the specified XBM subsystem for zIIP enablement. XBM issues the return code after enablement.  

User response: No action is required.

**BMC278175I**  
ZIIP NOT ENABLED (*xbmReturnCode*)  

Explanation: These messages indicate that zIIP processing was not enabled successfully. However, BMCSTATS might have discovered an XBM subsystem. XBM issues the return code, and the value depends on the reason for the error. Some possible return codes are as follows:

<table>
<thead>
<tr>
<th>Return code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>The ZIIP keyword specifies DISABLED. BMCSTATS returns this code regardless of the value of XBMID</td>
</tr>
<tr>
<td>Return code</td>
<td>Meaning</td>
</tr>
<tr>
<td>-------------</td>
<td>---------</td>
</tr>
<tr>
<td>n06</td>
<td>BMCSTATS was unable to locate the XBM interface modules. BMCSTATS returns this code regardless of the value of XBMID.</td>
</tr>
<tr>
<td>20</td>
<td>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>
</tr>
<tr>
<td>115</td>
<td>The XBMID keyword was not specified and BMCSTATS was unable to locate a usable hosting XBM SSID.</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 components).</td>
</tr>
</tbody>
</table>

**User response:** If you cannot correct the problem, contact BMC Customer Support.

**BMC278176I**

**ZIIP NOT ENABLED (xbmReturnCode) USING XBM SUBSYSTEM ssid**

*Explanation:* BMCSTATS was unable to locate the specified XBMID.

*User response:* Ensure the XBMID is valid.

**BMC278177E**

**XBMIDorZIIP CANNOT BE SPECIFIED MORE THAN ONCE**

*Explanation:* You specified the ZIIP or XBMID keywords more than once.

*User response:* Ensure you specify the ZIIP or XBMID keywords only once in the syntax stream and retry the operation.

**BMC278178E**

**ABOVE THE BAR STORAGE OBTAIN FAILED RC returnCode RS reasonCode**

*Explanation:* A request for above-the-bar storage failed due to the return and reason codes specified in the message.

*User response:* Verify that the MEMLIMIT for the job is adequate. For BMCSTATS jobs, BMC recommends MEMLIMIT=NOLIMIT.

**BMC278179E**

**ABOVE THE BAR STORAGE OBTAIN FAILED reason**

*Explanation:* A request for above-the-bar storage failed due to the reason specified in the message.

*User response:* If the specified reason is MEMORY LIMIT EXCEEDED, check the MEMLIMIT value for the job; for BMCSTATS jobs, BMC recommends...
MEMLIMIT=NOLIMIT. If you received any other reason, contact BMC Customer Support.

**BMC278180E  ABOVE THE BAR STORAGE DETECTED FOR SHARED COLUMN**

*Explanation:* A request for above-the-bar storage failed due to a column control block that is shared by an index and a table.

*User response:* Verify that the MEMLIMIT for the job is adequate. For BMCSTATS jobs, BMC recommends MEMLIMIT=NOLIMIT.

**BMC278181E  STORAGE SHORTAGE DETECTED - QUIESCE IN PROGRESS**

*Explanation:* BMCSTATS could not continue processing because it detected a storage shortage. BMCSTATS is purging the current input work queue before terminating the job.

*User response:* If possible, correct the shortage by specifying adequate REGION and MEMLIMIT parameters for the BMCSTATS job.

**BMC278182E  objectType PURGED BY QUIESCE objectName**

*Explanation:* BMCSTATS removed the specified table space or index object from the input work queue. BMCSTATS did not process the object.

*User response:* If possible, determine the cause of the error from accompanying messages.
Messages BMC348000 through BMC348099

This group includes messages for the BMC Common Statistics component.

BMC348001E

**APIName** API failure function=\(functionName\), return code=\(returnCode\), reason code=\(reasonCode\), reason text=\(reason\)

**Explanation:** The specified API function encountered an error for the reason specified in the message.

**User response:** Review the return code, reason code, and reason text along with any preceding messages. If you cannot resolve the issue, contact BMC Customer Support.

BMC348002E

**APIName** API failure function=\(functionName\), return code=\(returnCode\), reason code=\(reasonCode\)

**Explanation:** The specified API function encountered an error for the reason specified in the message.

**User response:** Review the return code and reason code along with any preceding messages. If you cannot resolve the issue, contact BMC Customer Support.

BMC348010E

**Unable to query subsystem DSNZPARM settings** return code=\(returnCode\), reason code=\(reasonCode\), reason text=\(reason\)

**Explanation:** The STATS API was unable to query the DB2 subsystem’s DSNZPARM parameter settings.

**User response:** Review the return code, reason code, and reason text along with any preceding messages. You can receive this message due to one of the following conditions:
- The subsystem was not started or is stopped.
- An abend occurred.
- Some other reason.

Check that the subsystem is started or functioning normally. If so, resubmit the job. Otherwise, contact BMC Customer Support.

**BMC348011E**  
**Unable to query subsystem bufferpool information return code = returnCode, reason code=reasonCode, reason text=reason**

*Explanation:* The STATS API was unable to query the DB2 subsystem’s bufferpool information.

*User response:* Review the return code, reason code, and reason text along with any preceding messages. You can receive this message due to one of the following conditions:

- The subsystem was not started or is stopped.
- An abend occurred.
- Some other reason.

Check that the subsystem is started or functioning normally. If so, resubmit the job. Otherwise, contact BMC Customer Support.

**BMC348012I**  
**BMCSTATS statistics collection mode set to mode**

*Explanation:* The STATS API collects statistics using either STANDARD or ENHANCED mode.

*User response:* No action is required.

**BMC348020W**  
**VSAM data set not found. dsn = dataSetName**

*Explanation:* The STATS API attempted an ICF catalog lookup on the specified data set and was unable to locate it.

*User response:* No action is required. However, you can choose to review the subsequent messages to determine if the product bypassed the statistics for the affected object.

**BMC348021W**  
**Data set archived - no recall specified. dsn = dataSetName**

*Explanation:* The STATS API attempted an ICF catalog lookup on the specified data set and was unable to locate it because the data set was migrated and RECALL NO was set.

*User response:* No action is required.
BMC348022E  Data set archived - recall failed. return code = returnCode, dsn = dataSetName
Explanation: The STATS API did not successfully recall a migrated data set.
User response: Review the JES log for messages regarding recall failure.

BMC348023E  Catalog search interface service failed. return code = returnCode, reason code=reasonCode
Explanation: The STATS API encountered an error retrieving a data set’s ICF catalog information. See message BMC348025 for the data set name.
User response: Ensure that the underlying data set exists within the ICF catalog and that the VSAM attributes are accessible.

BMC348025  on dataSetName
Explanation: This informational message lists a data set name and is usually associated with a previous message.
User response: No action is required.

BMC348026I  objectType objectOwner.objectName IS IN A RECOVER PENDING STATUS
Explanation: BMCSTATS could not process the specified object because the object is in recover pending status.
User response: Correct the recover pending status and retry the operation.

BMC348050E  The APIName API is not supported when the calling utility is utilityName.
Explanation: The specified utility cannot call the specified API.
User response: Contact BMC Customer Support.

BMC348051E  The APIName API function functionName could not locate load module loadModule.
Explanation: The specified API function could not load the specified load module.
User response: Ensure that the named load module exists in your STEPLIB concatenation. If it does, contact BMC Customer Support.

BMC348052E  The APIName API encountered an error. return code = returnCode reason text=reason
Explanation: The specified API encountered an error.
User response: Review the return code, and reason text along with any preceding messages. If you cannot resolve the issue, contact BMC Customer Support.
BMC348053E  The **APIName** API encountered an error. return code = `returnCode` reason code = `reasonCode`
Explanation:  The specified API encountered an error.
User response:  Review the return code, reason code, along with any preceding messages. If you cannot resolve the issue, contact BMC Customer Support.

BMC348054E  The **APIName** API requires a minimum **componentName** version of `versionNumber`. Version `versionNumber` was found.
Explanation:  The API requires the specified component with the specified version. However, a different version was found for the component.
User response:  Review the STEPLIBs that the job uses to ensure that you are using the appropriate BMC libraries.

BMC348055E  The **APIName** API encountered an error converting session option `optionName` from data type `dataType`, length `length`, to data type `dataType`, length `length`
Explanation:  The API encountered an error converting a session initialization option from one data type to another.
User response:  Contact BMC Customer Support.

BMC348056E  The **APIName** **functionName** function requires a minimum of 7 arguments. Only `numberArguments` arguments were given.
Explanation:  The API function did not receive the expected number of arguments.
User response:  Contact BMC Customer Support.

BMC348057E  The **APIName** **functionName** function is missing a parameter for parameter number `parameterNumber`.
Explanation:  The API function is missing a parameter value for the specified parameter number. Parameter numbers begin at 1 and the function code is always the first parameter.
User response:  Contact BMC Customer Support.

BMC348058E  The **APIName** API encountered an unknown object type argument.
Explanation:  The API did not recognize the input object type.
User response:  Contact BMC Customer Support.

BMC348059E  A **functionName** API function requires a minimum of 3 arguments. Only `numberArguments` arguments were given.
Explanation:  The API function did not receive the expected number of arguments.
User response:  Contact BMC Customer Support.
BMC348060E The APIName API functionName function supports a maximum of numberParameter parameters. The function was called with numberParameter.

Explanation: The API function did not receive the expected number of parameters.
User response: Contact BMC Customer Support.

BMC348061E The APIName API functionName function supports a minimum of numberParameter parameters. The function was called with numberParameter.

Explanation: The API function did not receive the expected number of parameters.
User response: Contact BMC Customer Support.

BMC348062E The APIName API functionName function does not support a call type of callType.

Explanation: The API function does not support the specified call type.
User response: Contact BMC Customer Support.

BMC348063E A functionName API function did not receive a communications area parameter: function code = functionCode communications area = communicationArea

Explanation: The API function did not receive a required communications area parameter.
User response: Contact BMC Customer Support.

BMC348064E A functionName API function did not receive a function code parameter: function code = functionCode communications area = communicationArea

Explanation: The API function did not receive a required function code parameter.
User response: Contact BMC Customer Support.

BMC348065E The APIName API functionName function requires a minimum of 4 arguments. Only numberArguments arguments were given.

Explanation: The API function did not receive the expected number of arguments.
User response: Contact BMC Customer Support.
**BMC348066E** A **APIName** API does not support the caller’s specified version of `versionNumber`. The **APIName** API supports a minimum version of `versionNumber` and a maximum version of `versionNumber`.

*Explanation:* The API does not support the requested caller version. The API supports the specified minimum and maximum version.

*User response:* Ensure that the installed versions of the STATS API and the calling product are supported. If they are, contact BMC Customer Support.

**BMC348068E** The **APIName** API encountered a zero length function table.

*Explanation:* The API did not have an API function table.

*User response:* Contact BMC Customer Support.

**BMC348069E** The **APIName** API does not support the caller’s specified function of `functionName`.

*Explanation:* The API did not support the specified caller’s function.

*User response:* Ensure that the installed versions of the STATS API and the calling product are supported. If they are, contact BMC Customer Support.

**BMC348070E** Encountered an error initializing `EDITPROC` on tablespace `databaseName.tableSpaceName table tableOwner.tableName return code = returnCode`

*Explanation:* The STATS API encountered an error initializing the specified EDITPROC on the specified table.

*User response:* Ensure that the specified EDITPROC is found within your STEPLIB for the product that is calling STATS API. Otherwise, contact BMC Customer Support.

**BMC348071E** Encountered an error terminating `EDITPROC` on tablespace `databaseName.tableSpaceName table tableOwner.tableName return code = returnCode`

*Explanation:* The STATS API encountered an error terminating the specified EDITPROC on the specified table.

*User response:* Ensure that the specified EDITPROC is found within your STEPLIB for the product that is calling STATS API. Otherwise, contact BMC Customer Support.

**BMC348072E** Index `indexOwner.indexName` could not find a matching table column number of `columnNumber` for its key column of `keySequenceNum`.

*Explanation:* The STATS API could not find a matching table column for the specified index’s key sequence number.

*User response:* Contact BMC Customer Support.
BMC348073E  objectType name objectOwner.objectName specified in syntax does not match objectType name objectOwner.objectName passed on API call.

Explanation: The specified table space, index, or index space object does not match the object passed to the STATS API.

User response: Contact BMC Customer Support.

BMC348074E  The APIName API could not terminate objectType objectOwner.objectName due to a matching profile not found in the global session list.

Explanation: The API could not terminate the specified table space, index, or index space because the API could not find the object’s matching profile object in the session list.

User response: Contact BMC Customer Support.

BMC348075E  The APIName API could not terminate objectType objectOwner.objectName due to the objectType not found in the global session list.

Explanation: The API could not terminate the specified table space, index, or index space because the API could not find the object in the session list.

User response: Contact BMC Customer Support.

BMC348076E  The STATS API functionName function encountered an invalid callLevel level call when the objectType was initialized for callLevel level collection. objectType is databaseName.tableSpaceName or indexOwner.indexName partition partitionNumber

Explanation: The STATS API function encountered an invalid ROW/PAGE level call when the table space or index was initialized for ROW/PAGE level collection.

User response: Contact BMC Customer Support.

BMC348077E  objectType name databaseName.tableSpaceName or indexOwner.indexName specified in syntax does not belong to the database name databaseName passed on API call.

Explanation: The specified object does not match the database name given to the API call for the object.

User response: Contact BMC Customer Support.

BMC348078E  The partitioned object token for objectType objectOwner.objectName was requested to initialize partition partitionNumber but the BMCSTATS command for the object did not specify partition partitionNumber.

Explanation: The partition for the specified object was not requested on the BMCSTATS syntax command for the object.

User response: Contact BMC Customer Support.
BMC348079E  The partitioned object token for objectType objectOwner.objectName did not have a dependent partition object matching partition partitionNumber.
Explanation:  The specified object partition was not found for the object.
User response:  Contact BMC Customer Support.

BMC348080E  The non-partitioned object token for objectOwner.objectName did not have any dependent partition objects.
Explanation:  The specified object did not have any partitions defined. An object should have at least one partition defined even if it is non-partitioned.
User response:  Contact BMC Customer Support.

BMC348081E  The objectType object token argument did have a valid objectType parent object.
Explanation:  The index partition or table space partition object token did not point to a valid index or table space object.
User response:  Contact BMC Customer Support.

BMC348082E  The APIName API encountered a partition token with an unknown object type.
Explanation:  The API encountered a partition token of an unknown object type. Supported types are index partition and table space partition.
User response:  Contact BMC Customer Support.

BMC348083E  The APIName encountered an error using the serviceName service, return code = returnCode sqlcode = sqlCode.
Explanation:  The API encountered the specified SQL error using the specified service.
User response:  Contact BMC Customer Support.

BMC348084E  Found existing objectType databaseName.tableSpaceName or indexOwner.indexName marked in error.
Explanation:  The product attempted to initialize a duplicate object from the STATS API. Another object was already initialized but marked in error. Therefore, the object was not available for processing.
User response:  Contact BMC Customer Support.

BMC348085E  Timed out waiting for existing objectType databaseName.tableSpaceName or indexOwner.indexName initialization to complete.
Explanation:  A timeout occurred waiting for the specified existing object to initialize. The STATS API uses an existing object for initialization if one is already complete.
User response:  Contact BMC Customer Support.
BMC348086E  

```
functionName bypassed for partition partitionNumber of objectType
databaseName.tableSpaceName or indexOwner.indexNameName because
objectNameState is condition.
```

Explanation: The API function is bypassed for the specified partition of an object index or table space because the object’s status is either “not required” or “in error”.

User response: Contact BMC Customer Support.

BMC348087E  

```
functionName bypassed for objectType databaseName.tableSpaceName or
indexOwner.indexNameName because condition.
```

Explanation: The API function is bypassed for the specified object index or table space because of the specified reason.

User response: Contact BMC Customer Support.

BMC348088E  

```
The object token argument was not a valid objectType object.
```

Explanation: The STATS API was passed an invalid object token. Valid object tokens can be table space, index, table space partition, or index partition.

User response: Contact BMC Customer Support.

BMC348089E  

```
functionName bypassed for objectType databaseName.tableSpaceName or
indexOwner.indexNameName because objectNameState state is condition.
```

Explanation: The STATS API function is bypassed for the object index or table space due to the object’s status.

User response: Contact BMC Customer Support.

BMC348090E  

```
The APIName API encountered an error on objectType
databaseName.tableSpaceName tableOwner.tableName partition
partitionNumber return code = returnCode.
```

Explanation: The API encountered an error on the specified object.

User response: Contact BMC Customer Support.

BMC348091E  

```
The APIName API encountered an error on objectType
databaseName.tableSpaceName tableOwner.tableName partition
partitionNumber page = pageNumber return code = returnCode.
```

Explanation: The API encountered an error on the specified object type, name, and partition.

User response: Contact BMC Customer Support.

BMC348092E  

```
The APIName API encountered an error on objectType
databaseName.tableSpaceName tableOwner.tableName return code = returnCode.
```

Explanation: The API encountered an error on the specified object.

User response: Contact BMC Customer Support.
BMC348093E  The APIName API encountered an error on objectType
databaseName.tableSpaceName tableOwner.tableName
dependentObjectName return code = returnCode.

Explanation: The API encountered an error on the specified object.
User response: Contact BMC Customer Support.

BMC348094E  The APIName API encountered an error on databaseName.tableSpaceName
tableOwner.tableName dependentObjectName dependentObjectColName
return code = returnCode.

Explanation: The API encountered an error on the specified object.
User response: Contact BMC Customer Support.

BMC348095E  The APIName functionName function encountered an invalid
combination of arguments for page = pageNum row buffer = rowBuffer, and
row length = rowLength parameters. Tablespace is
databaseName.tableSpaceName partition partitionNumber

Explanation: The API encountered an invalid combination of arguments.
User response: Contact BMC Customer Support.

BMC348096E  The APIName API encountered a row whose length exceeded the row
buffer length on tablespace databaseName.tableSpaceName partition
partitionNumber

Explanation: The API encountered a row during row level collection whose
length exceeded the input row buffer.
User response: Contact BMC Customer Support.

BMC348097E  Encountered an error re-initializing EDITPROC EDITPROC on tablespace
databaseName.tableSpaceName partition partitionNumber return code = returnCode.

Explanation: The STATS API encountered an error re-initializing the specified
EDITPROC on the specified table space and partition.
User response: Ensure that the specified EDITPROC is found within your
STEPLIB for the product that is calling STATS API. Otherwise, contact BMC
Customer Support.

BMC348098E  Tablespace collection found an alter added column colname which
requires a default value of type type for which BMCSTATS does not
support. A REORG of the tablespace is recommended.

Explanation: BMCSTATS encountered an ALTER-added column which requires
a default value type which is not supported. BMC18003I provides more details
about the table space, table, partition, page, and row information.
User response: Run a reorganization on the table space and retry the operation.
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 product for DB2, 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 errorError 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.

**BMCAPT0013U**  
*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.

**BMCAPT0014U**  
*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.

**BMCAPT0015U**  
*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.

**BMCAPT0016I**  
*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 BMCAPT0017W. 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.

**BMCAPT0017W**  
*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.

**BMCAPO0023W**

**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.

**BMCAPO0024E**

**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.

**BMCAPO0025I**

**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.

**BMCAPO0026W**

**File open failed**

Explanation: A failure occurred in an I/O open operation. Message BMCAPO0016I 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.

**BMCAPO0027W**

**File close failed**

Explanation: A failure occurred in an I/O close operation. Message BMCAPO0016I 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 date 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.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message Description</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMCAPT0045E</td>
<td>Invalid Logical Log control file - unknown column <code>columnName</code> for table <code>tableName</code></td>
<td>This message is for DB2 only. High-speed Apply cannot find the specified column in the specified table. Processing terminates.</td>
<td>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.</td>
</tr>
<tr>
<td>BMCAPT0046E</td>
<td>SQL Statement <code>statementNumber</code> exceeds maximum length of <code>length</code></td>
<td>The input SQL statement is too long. The <code>statementNumber</code> is the line number of the statement in the input file. Processing terminates.</td>
<td>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.</td>
</tr>
<tr>
<td>BMCAPT0047I</td>
<td>TABLE STATISTICS - <code>owner. tableName</code></td>
<td>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.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>BMCAPT0048I</td>
<td>PARTITION STATISTICS - <code>owner. tableName</code></td>
<td>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.</td>
<td>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.</td>
</tr>
</tbody>
</table>
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.
High-speed Apply Engine license will expire in \textit{nnnn} days

\textit{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.

\textit{User response}: To renew the permanent license, contact your BMC sales representative.

License has expired. High-speed Apply Engine is not licensed on this system

\textit{Explanation}: The permanent license for High-speed Apply has expired. You must renew the license with BMC. Processing terminates.

\textit{User response}: To renew the permanent license, contact your BMC sales representative.

High-speed Apply Engine is not licensed on this system

\textit{Explanation}: You tried to run High-speed Apply on a system that has not been licensed for it. Processing terminates.

\textit{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.

Agent: \textit{agentID} Statements \textit{nnnn} Tables \textit{nnnn} Indexes \textit{nnnn} Objects \textit{nnnn}

\textit{Explanation}: This message displays statistics for the apply request. Processing continues.

\textit{User response}: No action is required.

Configuration warning - Duplicate item \textit{parameterName} in section \textit{sectionName} value \textit{secondValue}, using first value found \textit{firstValue}

\textit{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.

\textit{User response}: No action is required. To prevent this message, remove one of the parameter specifications from the configuration file.

Configuration error - Invalid value \textit{value} for item \textit{parameterName} in section \textit{sectionName}

\textit{Explanation}: The \textit{value} displayed in the message is not valid for the specified \textit{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.

\textit{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.**  
**Group ID groupId**  
**Component ID componentID**  
**Instance agentID**

*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.**  
**Group ID groupId**  
**Component ID componentID**  
**Instance agentID**

*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 an 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.
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.

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.

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.

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.

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.
**BMCAPT0099E** 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.

---

**Messages BMCAPT0100 through BMCAPT0199**

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

**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.

**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.

**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.
<table>
<thead>
<tr>
<th>Code</th>
<th>Message Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMCAPT0103E</td>
<td>File setup failed - File fileName does not exist</td>
<td>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.</td>
</tr>
<tr>
<td>BMCAPT0104E</td>
<td>DB2 command failed - No output from command commandName</td>
<td>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.</td>
</tr>
<tr>
<td>BMCAPT0105I</td>
<td>Output from command commandName follows: text</td>
<td>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.</td>
</tr>
<tr>
<td>BMCAPT0106E</td>
<td>ObjectMap configuration error - Incompatible mapping from sourceObject to targetObject</td>
<td>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.</td>
</tr>
<tr>
<td>BMCAPT0107I</td>
<td>Mapping source object sourceObject to target object targetObject</td>
<td>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.</td>
</tr>
<tr>
<td>BMCAPT0108E</td>
<td>Object Mapping error - Unable to fully parse DML statement or DDL statement encountered</td>
<td>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:</td>
</tr>
</tbody>
</table>
- 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 nameTable: 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 matchTable: 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) definedTable: 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 valueTable: 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 keyTable: 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.
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.

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.

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.

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.

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 XYP record and the DLDS record did not occur in the proper order. Processing terminates.

*User response:* Contact BMC Customer Support.

**BMCAPT0145W**  
**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.

**BMCAPT0146W**  
**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.

**BMCAPT0148E**  
**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.

**BMCAPT0149E**  
**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: tableNameColumn: 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: tableNameColumn: 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, ccsid02 **Table:** 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, ccsid02 **Table:** 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.

**BMCA0177W** 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.

**BMCA0178W** 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.

**BMCA0179E** --#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.
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.

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.

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.

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.

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.
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.

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.

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.

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.
**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.

**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.

**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.

**BMCAPT0208I**  
**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.

**BMCAPT0209W**  
**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,
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 RIIClustering).

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 [DiagnosticOuput] 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.

**BMCAPT0231I**

<dataValue will be used for <columnType> column <columnName> due to no logging Table: <tableName> [Partition: <partitionNumber>]>

Explanation: This message is for DB2 only.

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.

**BMCAPT0232W**

LOB column not included in INSERT (for UNDO DELETE) due to LOB data not available on DELETE recordsTable: <tableName>

Explanation: This message is for DB2 only.

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.

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.

**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.

**BMCAPI0238I**  
**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.

**BMCAPI0239W**  
**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.

**BMCAPI0240I**  
**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.SYXMLSTRINGS.) 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: reasonCodeAny 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 $tableSpaceName$, 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.
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 errnojr= 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  
\[ \text{errno} = \text{errorNum} \]  
\[ \text{errnojr} = \text{errorNumJr} \]  
*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 *pathName* to *userId* *groupId* successful.  
*Explanation:* BMC ISR successfully set the specified path name.  
*User response:* No action is required.

**BMCBMR38E**  
Set UID/GID for *pathName* to *userId* *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 *fileSystem* on *pathName*  
*Explanation:* BMC ISR is attempting to mount the file system.  
*User response:* No action is required.

**BMCBMR40E**  
Mount failed  
\[ \text{errno} = \text{errorNum} \]  
\[ \text{errnojr} = \text{errorNumJr} \]  
*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 *pathName*.  
*Explanation:* BMC ISR is attempting to create the specified directory.  
*User response:* No action is required.

**BMCBMR43I**  
*DirectoryName* directory already exists in this file system. No action taken.  
*Explanation:* The specified directory already exists.  
*User response:* No action is required.
BMCBMR44E  Directory creation failed errno = errorNum errnoJr = errorNumJr
Explanation: BMC ISR could not create the new directory.
User response: Review the error number to determine the cause of this error.

BMCBMR45I  Directory creation was successful.
Explanation: BMC ISR successfully created the directory.
User response: No action is required.

BMCBMR46I  Set UID/GID for ISR directory pathName to userId groupId was successful.
Explanation: BMC ISR successfully set the specified path name.
User response: No action is required.

BMCBMR47E  Set UID/GID for ISR directory pathName to userId groupId was 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.

BMCBMR48E  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.
Explanation: To process this service request, you need an updated version of BMC ISR. The system terminates request processing.
User response: Download and install the latest version of BMC ISR from the ESD FTP site and try retrieving the service package again.

BMCBMR50E  Unable to read ddname.
Explanation: BMC ISR could not read the specified data set.
User response: Ensure that the specified data set is available for input.

BMCBMR51E  Unable to write to ddname.
Explanation: BMC ISR could not write to the specified data set.
User response: Ensure that the specified data set is available for output.

BMCBMR52E  Unable to allocate dataSet.
Explanation: BMC ISR could not allocate the specified data set.
User response: Ensure that the specified data set is available for processing.

BMCBMR53E  Unable to free dataSet.
Explanation: BMC ISR could not free the specified data set. Request processing continues.
User response: Issue a TSO FREE DS ('DataSet') command to free the data set.
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.
BMCBMR62E  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.

BMCBMR63E  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.

BMCBMR64E  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.

BMCBMR65E  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.

BMCBMR66E  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.

BMCBMR66E  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.

BMCBMR69E  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.

BMCBMR70E  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.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMCBMR71E</td>
<td><strong>SUFGBL value value is not alphanumeric.</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> 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.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Specify an alphanumeric SUFGBL value.</td>
</tr>
<tr>
<td>BMCBMR72E</td>
<td><strong>The length of the SUFGBL value value exceeds 44 characters.</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> 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.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Specify a valid SUFGBL value that does not exceed 44 characters.</td>
</tr>
<tr>
<td>BMCBMR73E</td>
<td><strong>Parms data set invalid. Must contain both SUFGBL and TGTZONE record</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> A parms data set, used for input processing, did not contain both a SUFGBL and a TGTZONE record.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Specify a valid parms data set for processing.</td>
</tr>
<tr>
<td>BMCBMR74E</td>
<td><strong>The PUT value value is not in the format PUT yy0rx (r=1 or 2, x=A or B)</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The specified value for the PUT parameter is invalid.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> 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.</td>
</tr>
<tr>
<td>BMCBMR75E</td>
<td><strong>The value r of PUT yy0rx in value must be 01 or 02.</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The specified value for the PUT parameter is invalid.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> 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.</td>
</tr>
<tr>
<td>BMCBMR76E</td>
<td><strong>The value x of PUT yy0rx in value must be A or B.</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> You specified an invalid value for the PUT parameter.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> 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.</td>
</tr>
<tr>
<td>BMCBMR77E</td>
<td><strong>Invalid comment format in line lineNumber</strong></td>
</tr>
<tr>
<td></td>
<td><em>Explanation:</em> The comment in the specified line is formatted incorrectly.</td>
</tr>
<tr>
<td></td>
<td><em>User response:</em> Use /* to begin the comment and */ to end it.</td>
</tr>
</tbody>
</table>
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.

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.

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

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.

‘=’ 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.

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.

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.

Keyword prodList not found in input file.
Explanation: The specified keyword was not found in the data set that was created in the stepxtrx 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).
**BMCBMRA8E**  
**Syscall environment error RC=returnCode**  
*Explanation:* The Syscall environment contains errors. See the return code for additional explanation.  
*User response:* Ensure that BMC ISR is running on a system that supports Syscall commands for UNIX System Services (USS).

**BMCBMRA9E**  
**Unable to open pathName**  
*Explanation:* BMC ISR could not read the specified path due to insufficient authority or because the HFS mount point for the path is incorrect.  
*User response:* Ensure that you have the proper authority to issue commands for Unix System Services (USS), including read and write access to the specified directory.

**BMCBMRAAE**  
**No files were found to zip**  
*Explanation:* Either BMC ISR could not find HLQ.TOBMC, or the file has an invalid format.  
*User response:* Ensure that the extract job completed successfully and that BMC ISR created HLQ.TOBMC. Also, ensure that HLQ.TOBMC contains member IPARMS.

**BMCBMRABE**  
**Unable to write SYSERR error records.**  
*Explanation:* BMC ISR was unable to write errors to DD SYSERR because DD SYSERR was unavailable.  
*User response:* Ensure that DD SYSERR is available during the BMRRSR12 and BMRRMKDR execution steps.
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 $SORTPARM 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 SYNSORT - jobName, stepName, procStepName, DIAG=hhhh,hhhh,...

Explanation: BMCSORT executed successfully. The hexadecimal information that follows the DIAG keyword in this message can differ for each execution of BMCSORT. 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 BMCSORT 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, ddNname, 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: BMCSORT 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 {= | < | >} 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**  
**Explanation:** The following table describes the variables in this message:

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ppp</strong></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 <strong>ppp</strong> variable might not represent all of the preallocated tracks available; BMCSORT might not have opened some preallocated SORTWK data sets.</td>
</tr>
<tr>
<td><strong>ddd</strong></td>
<td>This variable represents the number of tracks that BMCSORT dynamically allocated as primary space.</td>
</tr>
<tr>
<td><strong>sss</strong></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><strong>xxx</strong></td>
<td>This variable represents the total number of secondary extents.</td>
</tr>
<tr>
<td><strong>rrr</strong></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><strong>uuu</strong></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**  
**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><strong>www</strong></td>
<td>This variable represents the amount of virtual storage available (free) when BMCSORT received control.</td>
</tr>
<tr>
<td><strong>xxx</strong></td>
<td>This variable represents the amount of virtual storage requested for BMCSORT use.</td>
</tr>
</tbody>
</table>
### Variable Description

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<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 SORTWK
nn DD statements. (The DYNALLOC option may be used instead of SORTWK
nn DD statements.)

#### WER177I TURNAROUND SORT PERFORMED

**Explanation:** BMCSORT was able to sort the input file without using intermediate storage (SORTWK
nn). All input data was contained in virtual storage.

**User response:** No action is required.
**SORTWORK DATASET REQUIRED**

*Explanation:* If you specify INCORE=OFF as a PARM, you must include SORTWKnn data sets in this execution of BMCSORT.

*User response:* Specify SORTWK data sets in the JCL, or turn on dynamic allocation in BMCSORT or the product that invoked it.

**SVC nnn IS INCORRECT VERSION OR NON-SYNCSORT - SVC NOT USED - INEFFECTIVE SORT**

*Explanation:* Because the SVC did not return a code to indicate that it was at the correct version level, BMCSORT did not use SVC. The SVC is either at the wrong release of BMCSORT or its maintenance level, or it is not BMCSORT’s SVC. The problem can cause inefficient I/O.

*User response:* Contact BMC Customer Support.

---

**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>xxx</td>
<td>This variable represents the number of tracks that BMCSORT initially allocated.</td>
</tr>
<tr>
<td>yyy</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.

**WER210I**  
**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.

**WER217A**  
**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.

**WER218A**  
**DYNALLOC WORKFILE ASSIGNMENT ERROR**

*Explanation:* The product encountered an error during dynamic work file allocation.

*User response:* Contact BMC Customer Support.

**WER219A**  
**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.

**WER219I**  
**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.
Messages WER273 through WER289

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.


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>EXCPS=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=uuuuu</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=vvvvvvv</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>
<tr>
<td>Variable</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
</tr>
<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 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.