

BrightStor™ CA-Compress™ Data Compression

Messages Guide

5.2 SP04



Computer Associates™

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Contents

Chapter 1: Messages and Codes

User Abend Codes	1-1
System Abend Codes	1-4
DCA Prefix Messages	1-6
DEF Prefix Messages	1-36
IKJ Prefix Messages	1-49
SHR Prefix Messages, 3 Digits	1-50
SHR Prefix Messages, 4 Digits	1-65
VPE Prefix Messages	1-69
XP5 Prefix IUI Analysis Errors	1-72
ZSUR Prefix Messages	1-72
ZSURX Prefix Messages	1-118
ZSV Prefix Messages	1-121
Contacting Technical Support	1-128

Messages and Codes

This guide lists the messages and abend codes produced by BrightStor™ CA-Compress™ Data Compression, MVS Edition:

- Abend Codes are listed in ascending order by abend code number. User Abend Codes precede System Abend Codes.
- Messages are listed in ascending alphabetic order by prefix, and by numeric order within prefix.

User Abend Codes

99

Reason:

The allocation of a SYSOUT file failed. The IUI tried to generate a report on SYSOUT, but the dynamic allocation failed.

Action:

Contact Customer Support. Send the I/O report and dump if asked.

900

Reason:

Loading the ISPEXEC interface module failed.

Action:

Contact your systems programmer for ISPF support.

901

Reason:

Loading the ISPLINK interface module failed.

Action:

Contact your systems programmer for ISPF support.

902

Reason:

Opening the Analysis File failed.

Action:

Get a snap dump of the Analysis File control blocks and let your systems programmer for VSAM support diagnose the problem.

903

Reason:

Closing the Analysis File failed.

Action:

Obtain the snap dump of the Analysis File control blocks and take it to your systems programmer for VSAM support to determine the exact nature of the problem. Also, see the VSAM Administration Macro Instruction Reference Manual for VSAM return codes.

904

Reason:

Unable to allocate the snap dump data set.

Action:

Take the Allocation Failure report to your systems programmer for help. Also, refer to the MVS/ESA Systems Programming Library: Application Development Guide for SVC 99 return codes.

905**Reason:**

During Interactive User Interface initialization, the user's installation information record was not found in the Analysis File.

Action:

Make sure that the Interactive User Interface startup CLIST points to the Analysis File. If it does not, correct the CLIST and re-execute. If it does, get an IDCAMS dump print of the Analysis File, and contact Customer Support.

910**Reason:**

OPEN failed for the Analysis File. The reason code for the abend contains the hexadecimal error code from OPEN. Common reason codes are:

Code	Meaning
128	SFEANAL dd name missing
152	The user lacks UPDATE authority to the data set
188	The data set allocated by the clist is not VSAM

Action:

Refer to the OPEN error code in the IBM Manual, VSAM Administration: Macros for corrective action. If the cause is not evident, contact Customer Support.

912**Reason:**

DDname SFELIN has had its BLKSIZE overridden in the OPEN routine, which is likely to cause a linkedit failure. This abend is issued by program SFEMOBJR, ordinarily while trying to generate an FDT. This can only happen if OPEN is modified by the installation to override the BLKSIZE. The modified BLKSIZE is shown in the reason code.

Action:

Exempt DD name SFELIN from any vendor package that optimizes BLKSIZE for sequential data sets.

920

Reason:

SVC 26 was unable to get the SHARE OPTIONS information for the Analysis File. This abend follows the panel that says the SHARE OPTIONS were incorrect, and they were question marks. The last four digits of the reason code contain the return codes from the data and the index portion SVC 26 calls in the form ddi.

Action:

Contact Customer Support. Send the dump if requested.

System Abend Codes

S001 IEC020I

Reason:

An I/O request macro was executed and the access method interface found a condition it considered to be an error. If a message accompanies this ABEND and the error type is a wrong length record, it may be caused by the BLKSIZE and/or LRECL being set incorrectly or not being specified.

Action:

Correct the error indicated. If wrong length record, check the BLKSIZE and LRECL specified and correct if in error.

S013-BC IEC141I

Reason:

The program issued an OPEN for a DCB that specified a physical sequential BrightStor CA-Compress data set and the OPEN and/or the DCB specified invalid parameters, perhaps UPDAT or RDBACK. IBM SAM-SI does not support these options.

Action:

Correct the program so that it does not specify invalid parameters and rerun the job, or remove from compression.

S013-C0 IEC141I**Reason:**

The program issued an OPEN for a DCB that specified a BrightStor CA-Compress data set. BrightStor CA-Compress was unable to complete the OPEN for the data set, either because it was unable to allocate the real data set, or the OPEN for the real data set failed. IBM's Subsystem Interface may have recovered from an 0Cx or other abend.

Action:

BrightStor CA-Compress writes a message to the job's LOG in the case of an allocation error, and OPEN issues a message in the event of an OPEN failure. The system may have produced a SLIP trap dump for SLIP trap ID=SHK@. Correct the problem indicated by the message and rerun the job. If the cause is not obvious, set a SLIP trap for the possible abend. Contact Customer Support with the dump, if any.

S013-C8 IEC141I**Reason:**

An OPEN was issued for a BrightStor CA-Compress data set. The subsystem interface indicated that the subsystem was not active, or another abend was suppressed by SAM-SI and percolated to S013-C8.

Action:

To catch the originating abend, set the following SLIP trap:

```
SLIP SET,C=xxx,J=jobname,END
```

If the abend occurred in BrightStor CA-Compress code, contact Customer Support.

S806-04

Reason:

Module not found. If the missing module is ZSURSHRK or ZSURRLSE being loaded at started task initialization, the module is not present in the LINKLIST. The started task detects the condition at initialization to make sure it does not happen to user jobs when the started task is running.

Action:

To load ZSURSHRK into CSA from the started task instead of loading it into each user job from LINKLIST, specify the SHRKRES parm in the started task. If the failure is for ZSURRLSE and you definitely do not intend to use Space Release, specify NORLSE. Otherwise, include the modules are in LINKLIST. Issue FLLA,REFRESH before restarting BrightStor CA-Compress.

DCA Prefix Messages

DCA prefix messages are generated by the Test Compression Facility (TCF).

DCA0001 COMMAND ERROR - EXECUTION SUPPRESSED

Reason:

An error was detected by TCF's command processor while it was trying to process the input commands. A previous message details the exact nature of the error(s).

Action:

Correct the command specifications and resubmit the job.

DCA0002 UNABLE TO OPEN INPUT FILE

Reason:

TCF could not open the SYSIN dd statement that should contain command statements.

Action:

See other associated messages for reasons why the open failed.

DCA0003 CHECK FOR MISSING SYSIN DD STATEMENT**Reason:**

TCF could not find the SYSIN dd statement that should contain command statements.

Action:

Verify that command statements do exist. If this function is being invoked from a multi-step JCL procedure, make sure that the commands are being input to the correct step. This may require a dd statement to direct it to the proper step (for example, //TCF.SYSIN DD *).

DCA0004 COMMAND REJECTED: COMMAND NAME CONTAINS INVALID ALPHA CHARACTER (xxx)**Reason:**

A syntax error caused TCF to reject a command entered in the input stream (DDNAME = SYSIN). (xxx) is not a valid command name for the function being executed. Processing continues.

Action:

Correct the command error and rerun TCF. Check the following:
A valid command name was entered on the command.

- The command name is correctly spelled.
- The function and command are invoked correctly.
- No characters precede the command.

DCA0005 COMMAND REJECTED: CHARACTER (x) AT CARD COLUMN (nn) IS AN INVALID CHARACTER FOR COMMANDS**Reason:**

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error. The character (x) is not valid for command data.

Action:

Remove the character (x) from the command or replace it with a valid character. Processing continues. Correct the command in error and rerun TCF.

DCA0006 COMMAND REJECTED: TRAILING COMMA ON PREVIOUS COMMAND INDICATES CONTINUATION REQUIRED, BUT NO CONTINUATION CARD WAS FOUND

Reason:

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error.

Action:

Make sure that the commands are correctly continued. Processing continues. Correct the command in error and rerun TCF.

DCA0007 COMMAND REJECTED: DOES NOT ALLOW NON-BLANK CHARACTERS IN CARD COLUMN 72 OF COMMAND STATEMENTS

Reason:

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error. Column 72 must always be blank. Columns 73 through 80 are ignored. Processing continues.

Action:

Make sure that multi-line commands are correctly continued, and that each line ends before column 72.

DCA0008 COMMAND REJECTED: COMMAND NAME (nnn) IS LONGER THAN MAXIMUM NAME LENGTH OF (xxx)

Reason:

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error. Processing continues.

Action:

Check the following items, correct the command in error, and rerun TCF.

- Command names must be less than (xxx) characters.
- A valid command was entered on the command
- The command is spelled correctly.
- The command is the first item in the input stream record.

DCA0009 COMMAND REJECTED: ERROR IN PARAMETER AT CARD COLUMN (nn): NULL PARAMETERS ARE NOT ALLOWED, REPLACE WITH PROPER VALUE**Reason:**

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error. A command parameter that requires a value has not been supplied a valid value. Processing continues.

Action:

Check the following items, correct the command in error, and rerun TCF.

- The parameter name is spelled correctly.
- Multi-line commands are continued correctly.
- Spaces within the command are enclosed by quotes.
- The command name is the one you intended to execute.

DCA0010 PARAMETER DATA STARTING IN CARD COLUMN (nn) EXCEEDS MAXIMUM LENGTH FOR THIS PARAMETER (xx)**Reason:**

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error. (xx) indicates the column of the first character of the parameter in error or the column preceding the parameter in error. If more than one line was used for the command, the error pertains to the command statement printed just before this error message. The command entered contains an invalid parameter name. Processing continues.

Action:

Check the following items, correct the command in error, and rerun TCF.

- The parameter name is spelled correctly.
- Multi-line commands are continued correctly.
- Spaces within commands are enclosed by quotes.
- The command name is the one you intended to execute.

DCA0011 COMMAND REJECTED: SUPPLIED PARAMETER (nnn) IS NOT A VALID PARAMETER FOR THE COMMAND NAME SPECIFIED

Reason:

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error. Processing continues.

Action:

Check the following items, correct the command in error, and rerun TCF.

- The parameter name is spelled correctly
- Multi-line commands are continued correctly.
- Spaces within commands are enclosed by quotes.
- The command name is the one you intended to execute.

DCA0012 SYSTEM ERROR: ERROR IN DEFINITION OF COMMAND PROCESSOR CONTROL BLOCKS

Reason:

This is an internal processing error.

Action:

Collect the following items and contact Customer Support.

- JCL listing for the run that failed.
- Command statements entered.
- Generated output.
- SYSUDUMP dd output (if a dump was created).

DCA0013 COMMAND REJECTED: PARAMETER (nnn) HAS BEEN SPECIFIED MORE THAN ONCE**Reason:**

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error. The command entered contains the same parameter specified twice. Processing continues.

Action:

Check the following items, correct the command in error, and rerun TCF.

- The parameter name is spelled correctly.
- Multi-line commands are continued correctly.
- Spaces within the command are enclosed by quotes.

DCA0014 COMMAND REJECTED: KEYWORD PARAMETER (nnn) HAS BEEN SPECIFIED WITHOUT A VALUE**Reason:**

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error. A required command parameter has not been supplied a valid value. Processing continues.

Action:

Check the following items, correct the command in error, and rerun TCF.

- The parameter name is spelled correctly.
- Multi-line commands are continued correctly.
- Spaces within the command are enclosed by quotes.
- The command name is the one you intended to execute.

DCA0015 COMMAND REJECTED: KEYWORD PARAMETER (nnn) HAS VALUE LIST INCORRECTLY SPECIFIED: VALUES MUST BE SEPARATED BY COMMAS AND SEPARATED BY A RIGHT PARENTHESIS

Reason:

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error. A command parameter that requires a value was not been supplied a valid value. Processing continues.

Action:

Check the following items, correct the command in error, and rerun TCF.

- The parameter name is spelled correctly.
- Multi-line commands are continued correctly.
- Spaces within the command are enclosed by quotes.
- The command name is the one you intended to execute.

DCA0016 COMMAND REJECTED: KEYWORD PARAMETER (nnn) HAS MORE VALUES IN LIST THAN MAXIMUM ALLOWED OF (vvv)

Reason:

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error. TCF allows a value list with (vvv) entries for command parameter (nnn) but more than (vvv) entries have been supplied. Processing continues.

Action:

Reduce the number of entries to the allowed number. Check the following items, correct the command in error, and rerun TCF.

- The parameter name is spelled correctly.
- Multi-line commands are continued correctly.
- Spaces within the command are enclosed by quotes.
- The command name is the one you intended to execute.

DCA0017 COMMAND REJECTED: KEYWORD PARAMETER (nnn) CANNOT SPECIFY A LIST OF VALUES: SPECIFY ONLY ONE VALUE AND REMOVE PARENTHESES**Reason:**

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error. TCF only allows one specification of value data for this parameter. The parentheses imply that more than one value is supplied. Processing continues.

Action:

Remove the parentheses and specify only one value. Check the following items, correct the command in error, and rerun TCF.

- The parameter name is spelled correctly.
- Multi-line commands are continued correctly.
- Spaces within the command are enclosed by quotes.
- The command name is the one you intended to execute.

DCA0018 COMMAND REJECTED: KEYWORD PARAMETER (nnn) REQUIRES A NUMERIC VALUE; VALUE SPECIFIED IS NOT NUMERIC**Reason:**

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error. Command parameter (nnn) requires numeric data as values specified for it. One or more values are not numeric. Processing continues.

Action:

Check the following items, correct the command in error, and rerun TCF.

- The parameter name is spelled correctly.
- Multi-line commands are continued correctly.
- The command name is the one you intended to execute.

DCA0019 COMMAND REJECTED: SIMPLE PARAMETER (nnn) IS FOLLOWED BY OTHER THAN A COMMA OR A SPACE: NO VALUES CAN BE ASSOCIATED WITH THIS SIMPLE PARAMETER

Reason:

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error. A SIMPLE parameter has no values. The parameter (nnn) is a SIMPLE parameter but the user tried to enter a value for it. Either a comma or a space must follow the parameter name. Processing continues.

Action:

Check the following items, correct the command in error, and rerun TCF.

- The parameter name is spelled correctly.
- Multi-line commands are continued correctly.

DCA0020 COMMAND REJECTED: PARAMETER (nnn) HAS A NUMERIC FIELD VALUE GREATER THAN (vvv)

Reason:

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error. The parameter (nnn) accepts as input a numeric value. The value cannot be greater than (vvv). This value was specified incorrectly. Processing continues.

Action:

If the value (vvv) appears to be correct on the command, check the following items, correct the command in error, and rerun for it.

- The parameter name is spelled correctly.
- Multi-line commands are continued correctly.
- The command name is the one you intended to execute.

DCA0021 COMMAND REJECTED: KEYWORD PARAMETER (nnn) MUST BE A STRING OF (vvv) VALID HEX CHARACTERS**Reason:**

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error. The parameter (nnn) only accepts valid hexadecimal characters as input. The characters entered for it are not valid or an improper number of characters have been supplied. Valid hexadecimal characters are: 0 1 2 3 4 5 6 7 8 9 A B C D E F. Characters must be entered in pairs. Processing continues.

Action:

Correct the command in error and rerun TCF.

DCA0022 ASSOCIATION CONTROL INTERVAL NUMBER (nnn) NOT FOUND FOR DSN = (ddd)**Reason:**

This error occurred when trying to retrieve information associated with the specified data set (ddd). The cluster record indicated that an associated entry could be found at the specified control interval number (nnn). However, when trying to retrieve that control interval, catalog management returned an error code indicating that the control interval does not exist.

Action:

Attempt to list the specified data set with the IDCAMS LISTCAT command (use the ALL parameter). Check the output for a similar error. If one exists, follow IBM procedures for resolving the problem; otherwise, contact Customer Support.

DCA0023 THE FOLLOWING ASSOCIATION DATA SET NAME (aaa) WAS NOT FOUND FOR COMPONENT (bbb)

Reason:

TCF tried to retrieve information about an entry associated with data set (bbb). The cluster record was found for the component data set and the association information showed that the data set was associated with another data set name entity (aaa). However, when TCF tried to retrieve the associated data set, catalog management returned an error code indicating the data set does not exist.

Action:

Try to list the second data set named (bbb) in the message with IDCAMS LISTCAT command (use the ALL parameter). Check the output for a similar error. If one exists, follow IBM procedures for solving the problem; otherwise, contact Customer Support.

DCA0024 A DATA COMPONENT WAS NOT ASSOCIATED WITH THE FOLLOWING CLUSTER: (ddd)

Reason:

The cluster named in the text of the message (ddd) does not contain a data component association in the catalog.

Action:

List the indicated cluster with the IDCAMS LISTCAT command to determine the extent of the error. The entry is probably unusable and should be deleted from the catalog.

DCA0025 AN INDEX COMPONENT WAS NOT ASSOCIATED WITH THE FOLLOWING KSDS: (ddd)

Reason:

Cluster (ddd) does not have an index component association in the catalog, although it is marked as a KSDS.

Action:

List the indicated cluster with the IDCAMS LISTCAT command to determine the extent of the error. The entry is probably unusable and should be deleted from the catalog.

DCA0026 CATALOG ERROR FOR (ddd)**Reason:**

An error occurred during a call to catalog management. The error was detected for the data set (ddd). This message is followed by message DCA0029 detailing the nature of the error.

Action:

See DCA0029 for more information.

DCA0027 (xxx) IS A NON-UNIQUE NAME. IT MATCHES (yyy)**Reason:**

(xxx) was entered as a parameter and matches more than one parameter name. (yyy) are the various parameter names it matches.

Action:

Specify enough characters for a unique parameter name and resubmit the request.

DCA0028 variable text**Reason:**

An I/O error occurred reading the input data set, or an x13 abend occurred during OPEN.

Action:

If the problem cannot be resolved, contact Customer Support.

DCA0029 CATALOG RETURN CODE IS (nn) -REASON CODE IS (nn)

Reason:

TCF detected an error while processing a catalog management request. The error corresponds to the IBM message IDC3009I. TCF contains a list of common catalog management return codes. If the error code in the text is found in the table, subsequent message(s) will also be printed (with the same message number) explaining the error in greater detail.

Action:

If the problem cannot be resolved, contact Customer Support.

DCA0030 COMMAND REJECTED: (ccc) IS NOT A VALID COMMAND NAME

Reason:

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error. The command name (ccc) is not a valid command name for the function being executed. Processing continues.

Action:

Check the following items, correct the command in error, and rerun TCF.

- A valid command name was entered on the command.
- The command name is spelled correctly.
- The function associated with the command is being invoked properly.
- The command is the first item in the input stream record.

DCA0031 NO VALID COMMANDS WERE ENTERED

Reason:

The command processor has found no valid commands to return to processing routines. Either all commands were in error, or no commands were supplied through the SYSIN dd statement.

Action:

Supply at least one valid command and resubmit the job.

DCA0032 REMAINING COMMAND STATEMENTS BYPASSED DUE TO ERROR IN SET MODE= COMMAND**Reason:**

TCF previously detected an error in a SET MODE= command. Due to the nature of the function of SET MODE=, no additional commands will be processed.

Action:

Correct the error in the SET MODE= command and rerun the job.

DCA0033 COMMAND REJECTED: PARAMETER (ppp) IS NOT SPECIFIED AND IS REQUIRED FOR COMMAND (ccc)**Reason:**

TCF rejected a command entered in the input stream (DDNAME = SYSIN) because of a syntax error. The command name (ccc) has an associated required parameter (ppp), which is not specified. Processing continues.

Action:

Supply the (ppp) parameter if it is missing. Check the following items, correct the command in error, and rerun TCF.

- The spelling of parameter names.
- Multi-line commands are continued correctly.
- Spaces within the command are enclosed by quotes.
- The command name is the one you intended to execute.

DCA0034 ERROR IN INPUT COMMANDS-CORRECT ERROR AND RESUBMIT THE JOB**Reason:**

TCF found an error while trying to process the input commands. The preceding messages describe the nature of the error.

Action:

Correct the error and resubmit the job.

**DCA0035 AN SVC 99 DYNAMIC ALLOC/DEALLOC ERROR HAS OCCURRED -SVC 99 ERROR CODE =
xxxx INFO CODE = yyyy CONSULT IBM JOB MANAGEMENT MANUAL FOR DETAILED DESCRIPTION OF
SVC 99 ERROR AND INFO REASON CODES**

Reason:

SVC 99 is the MVS SVC used to dynamically allocate either data sets or volumes to an executing job task. The request for this service has failed.

BrightStor CA-Compress interprets many of the common error and info codes and prints a meaningful description of the error. Other less common codes must be found in the named IBM manual and corrective action taken.

Action:

Correct the error and resubmit the job.

DCA0036 DYNAMIC ALLOCATE SVC 99 MODULE CALLED IN NON-MVS ENVIRONMENT

Reason:

A BrightStor CA-Compress internal logic error has occurred. An MVS allocation service request has been made in what is thought to be a non-MVS operating system.

Action:

Contact Customer Support.

DCA0037 BAD RC FOR VOL = (vvv), (rrr), (ccc)

Reason:

BrightStor CA-Compress failed to locate a mass storage (MSS) volume. The following message fields help define the exact nature of the problem. They are from SVC126 (Mass Storage Access SVC).

- (vvv) = volume being located
- (rrr) = SVC 126 return code
- (ccc) = SVC 126 reason code

Action:

Correct the error and resubmit the job.

DCA0038 MSS IS NOT ACTIVE, REQVOL = (vvv)**Reason:**

BrightStor CA-Compress was requested to process a virtual volume (Mass Storage) but found the mass storage subsystem inactive. The command was bypassed. This message is also issued if the user requested access to a real volume that was not mounted on the system at the time of execution.

Action:

If the mass storage subsystem was not active, activate it and resubmit the request. If the volume was not mounted at execution time, mount it and rerun BrightStor CA-Compress. Check the spelling of the volume requested.

DCA0039 VOL = (vvv) IS NEITHER REAL OR ONLINE NOR IN MASS STORE**Reason:**

BrightStor CA-Compress could not locate volume (vvv) on the system.

Action:

Verify that the volume serial is correct and is available to BrightStor CA-Compress during execution. See associated messages to determine BrightStor CA-Compress action based on this error.

DCA0040 DATA SET FAILED SECURITY CHECK - WILL BE BYPASSED, DSN=(ddd)**Reason:**

A check was made to the security system specified with the SECURITY parameter in the command input stream. The return code from the security system indicated the user does not have sufficient access authority (read) to process the data set (ddd). Because of this return code, BrightStor CA-Compress will bypass the data set and continue processing with the next data set.

Action:

No user action is required.

DCA0041 NO REPORT RECORDS WRITTEN TO REPORTS DD DATA SET

Reason:

The commands entered did not generate report detail data.

Action:

Verify that all selection criteria are correct and valid. The selection qualification has caused all scanned entries to be rejected. Carefully check the data set name and volume parameters.

DCA0042 LOAD FOR MODULE = (mmm) FAILED.

Reason:

The load for module (mmm) did not complete successfully. The next displayed message describes the error.

Action:

See the following message.

DCA0043 ABEND CODE = (xx) REASON CODE = (yy)

Reason:

The load for module (mmm) indicated in a previous message did not complete successfully. The abend code (xx) and reason code (yy) are the IBM codes for an unsuccessful load. See the IBM publication Systems Codes.

Action:

Correct the JCL and resubmit.

**DCA0044 THE FOLLOWING ERROR WAS DETECTED DURING CATALOG SELECTION PROCESSING,
REASON CODE = (rr)****Reason:**

An error occurred when TCF tried to determine which user catalog(s) satisfied the pattern specified in the CATALOG= parameter of the SCAN command. The specific reason for the error is noted by the reason code (rr). A subsequent error message associated with each specific reason code (rr) is printed as follows:

8 NO USER CATALOGS WERE FOUND FOR THE PATTERN SPECIFIED.**Reason:**

None of the user catalogs defined in the master catalog matched the pattern specified in the CATALOG= parameter.

Action:

Check that the pattern was properly spelled and that the proper pattern was specified for the desired results. If the pattern appears to be valid, list the master catalog with IDCAMS to determine which user catalogs are defined in it.

16 MAXIMUM SIZE EXCEEDED FOR CATALOG WORK TABLE**Reason:**

The table required to hold all of the user catalog names is not large enough.

Action:

Specify a more specific catalog pattern name or divide the job into more catalog scan commands.

20 THE MASTER CATALOG NAME COULD NOT BE DETERMINED BY STANDARD CONVENTIONS.**Reason:**

The master catalog name could not be determined.

Action:

If running MVS, contact Customer Support.

24 NO USER CATALOGS WERE FOUND CONNECTED TO THE SYSTEM MASTER CATALOG.

Reason:

No user catalog records (type = U) were found in the master catalog.

Action:

Make sure that all user catalogs are properly connected to the master.

32 USER CATALOG NAME WAS NOT RETURNED BY CATALOG MANAGEMENT.

Reason:

This error is detected when catalog management returns a valid return code, but no catalog name is returned as requested.

Action:

Contact Customer Support.

36 AN ERROR WAS DETECTED BY CATALOG MANAGEMENT DURING RETRIEVAL OF USER CATALOG NAMES.

Reason:

BrightStor CA-Compress detected an error during a call to catalog management. The error condition is printed in a previous message.

Action:

If the problem cannot be resolved, contact Customer Support

40 NONE OF THE CATALOG PATTERNS SPECIFIED IN THE EXCLUSION LIST MATCHED ANY OF THE USER CATALOGS SELECTED BASED ON THE CATALOG PATTERN SPECIFIED.**Reason:**

This error is issued only when catalog name(s) or pattern(s) are specified in the EXCCATS parameter and no user catalog defined in the master catalog matches any of the exclusion patterns. A spelling error in the EXCCATS parameter is the usual cause. Processing is halted for correction.

Action:

If the exclusion pattern(s) will not match, remove the EXCCATS parameter from the command.

44 THE CATALOG PATTERN SPECIFIED IN THE EXCLUSION LIST CAUSED ALL CATALOGS TO BE EXCLUDED.**Reason:**

This error is issued only when catalog name(s) or pattern(s) specified in the EXCCATS parameter cause all user catalogs defined in the master catalog to be excluded from processing.

Action:

Correct the pattern specified in the EXCCATS parameter and resubmit the job.

48 THIS SCAN REQUEST CANNOT BE SERVICED DUE TO A PRIOR ERROR WHICH WAS DETECTED DURING IMPLICIT CATALOG SELECTION PROCESSING.**Reason:**

This message indicates that a previous error was detected during catalog selection processing. The previous error causes BrightStor CA-Compress to skip the current SCAN command for which this message is issued.

Action:

See Message number DCA9944 (with other than reason code 48).

**DCA0045 COULD NOT OBTAIN VTOC ENTRY FOR DATA SET, OBTAIN ERROR=(eee),
VOLUME=(vvvvvv), DATA SET NAME=(ddd) (rrrrrrrr)****Reason:**

TCF issued the OBTAIN macro to get the VTOC entry for the data set named (ddd) on DASD volume (vvvvvv). OBTAIN processing returned an error return code. The explanation of the error code (eee) is given by (rrrrrrrr).

TCF uses the OBTAIN to read data set information from volume VTOC entries. If the message issued contains DSNAME and VOLUME information, it pertains to the data set for which OBTAIN was trying to retrieve the entry.

The VTOC entries returned from OBTAIN are format-1 DSCBs. They contain information about where data sets exist on the volume, how many extents they use, and what type of data sets they are. OBTAIN commonly generates the following return codes. For a complete list of codes, see the IBM DASD Management for Systems Programmers manuals.

System OBTAIN Routine Return Codes

Code	Meaning
4	The volume for which OBTAIN was issued is not online to the system.
8	The format-1 DSCB to be obtained from the VTOC did not exist.
12	A permanent I/O error was found when processing the specified volume.
16	Invalid work area pointer. Contact Customer Support.

Action:

Correct the error and resubmit the job.

DCA0046 PROCESSING WILL NOT COMMENCE UNTIL A DSNAME GREATER THAN OR EQUAL TO THE FOLLOWING IS ENCOUNTERED: (ddd)**Reason:**

Test compressions will not begin until a data set name (ddd) of equal or greater value is returned from catalog management, because the BEGINDSN parameter was specified on the SCAN command.

Action:

No user action is required.

DCA0047 MORE SPACE REQUIRED FOR DATA STUMP**Reason:**

BrightStor CA-Compress failed to retrieve information about a cluster from a VSAM or ICF catalog. BrightStor CA-Compress dynamically acquires the storage required to hold this information, but this area was not large enough to hold the data.

Action:

Contact Customer Support.

DCA0048 SCAN COMMAND MUST BE SPECIFIED PRIOR TO ACTION COMMAND**Reason:**

An action command was specified (EXAMINE) before a SCAN command. At least one SCAN statement must be specified before EXAMINE.

Action:

Add the SCAN command and resubmit the job.

DCA0049 INVALID MODE SPECIFIED ON SET COMMAND: MUST BE LIVE OR SIMULATE**Reason:**

An invalid value was specified on the MODE parameter.

Action:

Correct the mode and resubmit the job.

DCA0050 ONLY ONE DATA SET NAME IS ALLOWED PER SCAN COMMAND**Reason:**

More than one data set name was specified on the DSNAME parameter.

Action:

Specify multiple data set names or patterns on separate SCAN statements.

DCA0051 EITHER THE CATALOG OR DSNAME PARAMETER IS REQUIRED ON THE SCAN COMMAND

Reason:

A SCAN command was specified without either the CATALOG or DSNAME parameter. One of these parameters is required to tell what you wish to scan.

Action:

Re-enter the SCAN command with a CATALOG or DSNAME parameter.

DCA0052 BOTH THE CATALOG AND DSNAME WERE SPECIFIED - ONLY ONE IS ALLOWED

Reason:

Both the DSNAME and CATALOG parameters were specified on a single SCAN command; this is not valid.

Action:

To direct a catalog search for a data set name pattern to a specific catalog, supply either a JOBCAT or STEPCAT dd statement.

DCA0053 INVALID SECURITY SYSTEM SPECIFIED - MUST BE RACF, ACF2 OR TOPSEC

Reason:

An invalid security system was specified.

Action:

Make certain you specified the security system name correctly. You may abbreviate to no fewer than three characters when specifying a security system.

DCA0054 PERCENT VALUE SPECIFIED (nn) IS INVALID - MUST BE BETWEEN 0 AND 100 INCLUSIVE

Reason:

You must specify a percentage in the range of 0 to 100, inclusively.

Action:

Correct the error and resubmit the job.

DCA0055 INVALID DSORG (xxx) REQUESTED - MUST BE VSAM, PS OR ALL**Reason:**

You requested an invalid data set organization.

Action:

Correct the error and resubmit the job.

DCA0056 NO SCAN COMMAND WAS SPECIFIED - JOB RUN TERMINATED**Reason:**

A SCAN command must be specified for all Test Compression Facility job runs. This command is used to supply the catalog name(s) to be scanned during the job run.

Action:

See TCF Command Language in the chapter "Test Compression Facility" for more information. Correct the error and resubmit the job.

DCA0057 PROCESSING STARTED FOR CATALOG = (ccc)**Reason:**

This informational message indicates that the processing requested by the user has begun on catalog (ccc).

Action:

No action is required by the user.

DCA0058 NO ACTION WAS SPECIFIED FOR SCAN OF CATALOG (ccc); SCAN OF CATALOG HAS BEEN BYPASSED**Reason:**

A SCAN of catalog (ccc) was specified, but no associated action (EXAMINE) was specified.

Action:

Add the appropriate action command and rerun the job.

DCA0059 SUPERLOCATE WORK AREA SIZE (xxx) TOO SMALL; NEED SIZE (yyy)

Reason:

The work area size (xxx) is not large enough to contain the catalog entries based on the SCAN DSNNAME= command. TCF cannot process the SCAN command.

Action:

If you specified a pattern name in your SCAN command (such as DSN=ABC.DEF/), specify one more complete qualifier in the data set name (such as DSN=ABC.DEF./ or DSN=ABC.DEF.G/). If you cannot specify a more complete name, you must use alternatives to the SCAN DSNNAME command.

DCA0060 INSUFFICIENT WORK AREA TO DO SUPER LOCATE ON DSN = (ddd) IN CATALOG = (ccc) SPECIFY A FURTHER QUALIFIED DATA SET NAME PATTERN

Reason:

The data set pattern (ddd) specified on the SCAN command is too general for BrightStor CA-Compress to issue a superlocate.

Action:

If you specified a pattern name in your SCAN command (such as DSN=ABC.DEF/), specify one more complete qualifier in the data set name (such as DSN=ABC.DEF./ or DSN=ABC.DEF.G/). If you cannot specify a more complete name, try another approach such as, SCAN CAT=x with a SELECT DSN= command.

DCA0061 NO CATALOG ENTRIES WERE FOUND TO MATCH DSN = (ddd) IN CATALOG = (ccc) SCAN COMMAND NOT PROCESSED

Reason:

The data set name or pattern (ddd) specified on the SCAN command had no matches, either in the normal catalog structure or in the indicated catalog (ccc), if the IN CATALOG = phrase is present in this message.

Action:

Verify that the data set name or pattern is correctly spelled. If you have specified a multiple-qualifier data set name or pattern and the high-level node of the pattern specified does not have an alias pointer in the master catalog, you must specify a STEPCAT or JOBCAT in the job's JCL.

DCA0062 DATA SET NAME NOT RETURNED DURING SCAN OF CATALOG (ccc) CATALOG SCAN IS TERMINATED**Reason:**

During GET NEXT processing of catalog scan for catalog (ccc), an entry was returned from catalog management, but no data set name associated with the entry was returned. Because BrightStor CA-Compress has no knowledge of what the entry might be, processing for that catalog is terminated.

Action:

Execute the IDCAMS LISTCAT procedure to verify that it does not have the same problem. If the problem also exists for the LISTCAT, follow IBM procedures for resolving the problem.

DCA0063 CATALOG INFORMATION NOT RETURNED FOR DSN (ddd) IN CATALOG (ccc) - DATA SET HAS BEEN BYPASSED**Reason:**

The catalog information requested for data set (ddd) could not be found by catalog management in catalog (ccc).

Action:

Verify that the data set entry exists in the catalog via IDCAMS LISTCAT procedure. If it does, contact Customer Support.

DCA0064 A CATALOG LOOP HAS BEEN DETECTED IN CATALOG (ccc). THE LAST ENTRY PROCESSED PRIOR TO THE LOOP WAS FOR DSN (ddd). THE CATALOG SCAN HAS BEEN TERMINATED**Reason:**

Catalog (ccc) was being scanned in ascending key sequence, but a descending key was returned. This can result in either an endless loop or other more unpredictable results. BrightStor CA-Compress processing for the catalog has been terminated. Data set (ddd) was the last entry processed prior to the out-of-sequence entry.

Action:

If possible, repair or recover the damaged catalog and resubmit the terminated BrightStor CA-Compress request.

DCA0065 UNABLE TO LOCATE CATALOG = (ccc) VERIFY THAT THE CATALOG NAME IS SPELLED CORRECTLY

Reason:

TCF could not retrieve information about catalog (ccc) from catalog management. One of the following conditions may be the reason:

- The catalog name requested on the SCAN command does not exist. Verify that the catalog name is spelled correctly.
- An alias name was specified instead of the catalog's real name. Because an alias was used, its entry was not found in the catalog.

Action:

Correct the spelling error and resubmit the job or specify the catalog's real name instead of an alias, and resubmit the job.

DCA0066 CATALOG ACB WAS NOT RETURNED FROM CATALOG MANAGEMENT FOR CATALOG (ccc)-CATALOG HAS BEEN BYPASSED FOR PROCESSING

Reason:

Catalog management just returned control to BrightStor CA-Compress. Although catalog (ccc), which was requested, was found, the catalog's ACB address was not returned by catalog management.

Action:

Contact Customer Support.

DCA0067 CATALOG ENTRY NOT FOUND FOR DSN = (ddd) RESULT=(nnn) REASON=(rrrr) ALL VOLUMES FOR THE DATA SET ARE ASSUMED TO BE ONLINE

Reason:

TCF issued a catalog locate to determine which volume(s) data set (ddd) resides on. If the result value (nnn) is 3, the data set is cataloged to more than 20 volumes. If the value (nnn) is 2, the data set is probably defined in the "wrong" catalog. This means that the cluster is not defined in the master catalog and either the first qualifier of the data set name is not an alias of a user catalog, or else the first qualifier has an alias pointing to a different user catalog. In either case, assumes that all of the data set's volumes are online and allows the data set to be processed.

Action:

This is an informational message. No user action is required.

DCA0068 DATA SET BYPASSED - VOLUME (vvv) NOT ONLINE. DSN (ddd)**Reason:**

Data set (ddd) resides on volume (vvv), which is off-line.

BrightStor CA-Compress bypassed the data set to avoid a mount of the DASD volume being requested.

Action:

To report on data set (ddd), rerun the job when volume (vvv) is online.

DCA0069 PROCESSING COMMENCING WITH DSN=(ddd)**Reason:**

BrightStor CA-Compress did not begin processing with the start of a catalog because the BEGINDSN parameter was coded on the SCAN command.

The data set name (ddd) in the message text was the first data set name returned by catalog management, which was greater than or equal to the value specified by the user in the BEGINDSN parameter.

Action:

This is an informational message. No user action is required.

DCA0070 \$ACFGCVT NOT LINK-EDITED TO DCAXP014 - SECURITY CHECK CANNOT BE PERFORMED SECURITY INTERFACE HAS BEEN DEACTIVATED FOR THIS JOB RUN**Reason:**

The required ACF2 CVT was not available to the security interface for ACF2. The interface was probably not installed correctly. Because the security interface could not access ACF2 directly, no checks were made with ACF2 to determine if the user had access authority to the data set. Because the Test Compression Facility goes through standard open to read data sets, no integrity exposure exists.

Action:

See Control File Maintenance Utility Security Interface in the chapter "Physical Sequential Transparency" for instructions for installing the ACF2 security interface. Follow the instructions for link-editing the ACF2 interface.

DCA0071 ACFINCVT DID NOT FIND THE ACF2 CVT, PROCEEDING TO USE \$ACFGCVT. PLEASE CONTACT SHRINK TECHNICAL SUPPORT

Reason:

Because the parameter SECURITY=ACF2 was coded on the SET command, the ACF2 interface module was called to determine if the user had access to a particular data set. To invoke ACF2 the caller must know the address of ACF2's CVT. The ACF2 interface module could not determine the address of this CVT.

Action:

Manually relink the security interface module GDAXP014 to include the ACF2 routine \$ACFGCVT.

DCA0072 DSN=(ddd) BYPASSED BECAUSE OF RETURN CODE SET BY PREEXIT (uuu)

Reason:

BrightStor CA-Compress bypassed processing data set name (ddd) because user exit (uuu) set a return code, which made the data set ineligible.

Action:

This is an informational message. No user action is required.

DCA0073 ERROR RETRIEVING AIX INFORMATION FOR AIX=(aaa) RELATED TO BASE CLUSTER=(bbb)

Reason:

To determine where BrightStor CA-Compress can begin compressing data for a cluster, it must determine all of the keys and their lengths, which are defined for all of the cluster's alternate indexes. In trying to retrieve the catalog information for alternate index name (aaa), an error was returned by catalog management. The nature of the error is detailed in a previous message. The base cluster, which was being processed at the time of the error is listed in the message text name (bbb).

Action:

See the previous message, which describes the error in detail.

DCA0074 NO RECORDS WERE SELECTED FOR TEST COMPRESSION FOR DSN=(ddd)**Reason:**

Based on the options specified to the TCF, no records were selected for test compression from the indicated data set name (ddd). Data cannot exist beyond the last key, so that compression is not possible, or the data set may be empty.

Action:

The data set will not be listed on the compression status report. To include records from the data set you must either change or remove the following parameters: EXTRACT, SKIP or BYPASS. You can also specify a non-zero value for the PERCENT parameter, which guarantees that a minimum of one record will be selected (if there are any compressible records in the data set).

DCA0075 DATA SET BYPASSED BECAUSE OF PASSWORD PROTECTION = (ddd)**Reason:**

Data set (ddd) was bypassed because its format-1 DSCB indicated it as password protected. If the data set were not bypassed, a prompt to the operator for the proper password would occur. If the password supplied by the operator was incorrect, the job would abend with a S913. TCF bypasses the data set to prevent this event.

Action:

This is an informational message. No user action is required.

DCA0076 SECURITY VERIFICATION FAILED, RC=56, DSN=(ddd)**Reason:**

During "get next" processing using the LISTCAT services of catalog management, a security violation was returned by catalog management for data set (ddd).

Action:

See the IBM message manual for IDC3018I for more details.

DCA0077 FORCING EOF FOR LARGE DATA SET=ddd

Reason:

In order to avoid overflow, TCF is forcing End Of File on data set (ddd) because it exceeds 2113929215 bytes.

Action:

None if the sample accurately represents the entire data set. To sample uniformly to the end of the data set, use the PERCENT= parameter.

DEF Prefix Messages

DEF prefix messages are generated by the Control File Maintenance Utility (CFMU).

DEF0001 NEITHER DATA SET NAME OR PATTERN NAME SPECIFIED ON "ADD" STATEMENT

Reason:

A data set name or pattern name is required when using the ADD command to update the Control File.

Action:

Correct the ADD statement by specifying a data set or pattern name.

DEF0002 (##) NAME MAY NOT BE SPECIFIED WITH A PATTERN FOR A (ccc) COMMAND

Reason:

A path name of DATA or PATH (ttt) was specified on an ADD command statement (ccc) for a pattern. A pattern does not have either a DATA name or PATH name.

Action:

Correct the ADD statement by removing the specification of the DATA or PATH name.

DEF0003 (ttt) (nnn) IS ALREADY DEFINED ON THE CONTROL FILE**Reason:**

The name (nnn) entry of type (ttt), cluster, data or path, being defined by an ADD statement already exists on the Control File.

Action:

Check that the type (ttt) and name (nnn) are correct. Fix the ADD statement by correcting the data set or pattern name or remove the incorrect definition from the Control File.

DEF0004 MUTUALLY EXCLUSIVE COMPRESSION TYPE KEYWORDS SPECIFIED ON THE (ccc) COMMAND**Reason:**

A data set name or pattern name is being added or altered and mutually exclusive keywords were specified. The mutually exclusive keywords may specify different compression techniques or Standard tables.

Action:

Correct command statement (ccc) by removing the incorrect compression specification.

DEF0005 DATA NAME MUST BE SPECIFIED WITH A DATA SET NAME FOR A (ccc) COMMAND**Reason:**

A data set name is being defined and the DATA component name was not specified on command (ccc).

Action:

Correct command statement (ccc) by specifying the DATA component name. The DATA name is required when defining a VSAM KSDS or ESDS.

DEF0006 SUBSYSTEM NAME AND DDNAME ARE MUTUALLY EXCLUSIVE ON THE SET COMMAND

Reason:

A SET statement was issued with both a DDNAME and a Subsystem name specified. Only one is allowed.

Action:

Correct the SET statement by removing one of the specifications for DDNAME or Subsystem name.

DEF0007 (vvv) IS AN INVALID VALUE FOR THE ABEND PARAMETER

Reason:

A SET statement tried to set value (vvv) for the abend parameter but YES or NO was expected.

Action:

Correct the ABEND parameter of the SET statement by specifying a value of YES or NO.

DEF0008 (ttt) (nnn) IS NOT DEFINED

Reason:

A SET statement tried to set the location of Control File type (ttt), DDNAME or SUBSYSTEM, and name (nnn) was not defined in the system.

Action:

Correct the SET statement by specifying the correct (ttt) and (nnn).

DEF0009 SUBSYSTEM (nnn) IS NOT ACTIVE

Reason:

A SET statement was setting a Subsystem value of name (nnn) and the requested Subsystem is defined in the system but is currently not active.

Action:

Correct the SET statement by specifying an active BrightStor CA-Compress Subsystem name or start the BrightStor CA-Compress Subsystem.

DEF0010 SUBSYSTEM (nnn) IS NOT A SHRINK SUBSYSTEM**Reason:**

SET statement was setting a Subsystem value of (nnn) and the requested Subsystem is defined and active but is not a BrightStor CA-Compress Subsystem.

Action:

Correct the SET statement by specifying an active BrightStor CA-Compress Subsystem name.

DEF0011 (ttt) (nnn) IS NOW BEING USED**Reason:**

A SET statement (or an implicit SET) was completed and the utility is now using the Control File type (ttt), SUBSYSTEM or DDNAME, name (nnn) for processing.

Action:

None. This is an informational message.

DEF0012 A SHRINK SUBSYSTEM IS NOT ACTIVE**Reason:**

A SET statement (or an implicit SET) tried to use the BrightStor CA-Compress Subsystem, but no subsystems are active.

Action:

Correct the SET statement by specifying a BrightStor CA-Compress data set DDNAME or start up the BrightStor CA-Compress Subsystem.

DEF0013 PATH NAME (nnn) CURRENTLY EXISTS - (ccc) IGNORED**Reason:**

Command statement (ccc) was trying to add PATH name (nnn), which is already defined on the Control File.

Action:

Correct command statement (ccc) by specifying a correct PATH name, removing the PATH name from the statement, or removing the currently defined name from the Control File.

DEF0014 (ccc) (sss) FOR (ttt) (nnn) or (ccc) (sss)

Reason:

Command statement (ccc) completed with status (sss), FAILED or COMPLETED, for entry type (ttt) and name (nnn).

Action:

None. This is a status message.

DEF0016 PATH NAME (nnn) ON THE (ccc) COMMAND IS A DUPLICATE-DUPLICATE PATH IS IGNORED

Reason:

Command statement (ccc) had duplicate names specified in the PATH parameter (nnn). The duplicate specification is ignored.

Action:

None if no additional path name was desired. If the duplicate is the result of a misspelling and an additional path name is desired, use the ALTER command to add the desired path name.

DEF0017 (ttt) SUCCESSFULLY DELETED FROM (ccc)

Reason:

An entry of (ttt), DATA or PATH, was removed from a cluster record of name (ccc).

Action:

None. This is a status message.

DEF0018 PATH (nnn) WAS ALREADY DEFINED FOR CLUSTER (ccc) - ADD IGNORED**Reason:**

A PATH of (nnn) was to be added to the record for cluster (ccc) but (nnn) was already associated with (ccc).

Action:

None if no additional path name was desired. If the duplicate is the result of a misspelling and an additional path name is desired, use the ALTER command to add the desired path name.

DEF0019 PATH (nnn) WASN'T DEFINED FOR CLUSTER (ccc) - IGNORED**Reason:**

PATH name (nnn) was to be removed from the record for data set (ccc) but (nnn) was not associated with the cluster.

Action:

None if the specification of (nnn) was correct. Use the ALTER command to delete the path name if it was not removed due to misspelling.

DEF0020 DATA (nnn) IS NOT DELETEDABLE**Reason:**

An attempt was made to delete name (nnn) of type DATA (data component). The entry for the data component cannot be deleted without deleting the entire record.

Action:

None if the specification of name (nnn) was made in error. You can delete the entire cluster record, or you can rename (nnn) by using the ALTER command with the NEWNAME parameter.

DEF0021 (ccc) REQUIRES THE (ppp) PARAMETER

Reason:

Command statement (ccc) was specified without parameter (ppp) being specified.

Action:

Correct the command statement by specifying the (ppp) parameter.

DEF0022 LOAD FOR FDT (nnn) FAILED WITH A RETURN CODE=(rr)

Reason:

An MVS LOAD macro was issued for FDT name (nnn) and failed with a return code of (rr).

Action:

Determine the cause of the LOAD failure and correct it. The FDT should be a load module in either the STEPLIB/JOBLIB or the system LINKLIB.

DEF0023 (ppp) PARAMETER ON THE (ccc) IGNORED

Reason:

Command statement (ccc) was specified with parameter (ppp), but that parameter was not allowed.

Action:

If the command is ALTER, the parameters were ignored because the statement was specified for a Path or Data name and only NEWNAME is allowed in those circumstances.

DEF0024 (ppp) PARAMETER ON THE (ccc) IGNORED - DATA SET ALREADY COMPRESSED

Reason:

Parameter (ppp) on command (ccc) was not allowed because the data set is already compressed, and changing the parameter would alter the compression type or scheduled attribute.

Action:

None. If either must be changed, the data set must be recompressed.

DEF0025 THE (p1) PARAMETER ON THE (ccc) COMMAND IS MUTUALLY EXCLUSIVE WITH THE (p2) PARAMETER**Reason:**

On command statement (ccc) both parameters (p1 and p2) were specified but they are not allowed together.

Action:

Correct the command statement by removing the incorrect parameter specification.

DEF0026 THE VALUE (vvv) FOR THE (ppp) PARAMETER IS INVALID**Reason:**

The parameter (ppp) was specified with value (vvv), which is not recognized as a valid value.

Action: Specify a valid value for the parameter (ppp).

DEF0027 NO (ttt) RECORDS EXIST ON THE CONTROL FILE**Reason:**

A REPORT of record type (ttt) was requested, but no records of that type were defined.

Action:

Verify that records of that type are defined on the Control File. Contact Customer Support if this message was received in error.

DEF0028 DATA SET NAME CONFLICT ON ADD COMMAND - (nnn) IS (sss)

Reason:

An ADD command statement was trying to replace an entry in the Control File that was originally defined as EXCLUDED but the names associated with the entry do not match the original definitions. If the entry (nnn) has a status (sss) of DEFINED, the entry was specified originally but not in the redefinition; UNDEFINED means that the entry was not defined originally but is in the redefinition.

Action:

Correct the ADD statement by specifying the PATH and DATA names that were originally defined.

DEF0029 FDTs ARE NOT ALLOWED TO BE DELETED

Reason:

An attempt was made to delete an FDT from the Control File. To maintain data integrity, FDTs cannot be deleted.

Action:

None. The DELETE will not be allowed.

DEF0030 ELEMENT TO BE DELETED MISSING ON THE "DELETE" COMMAND

Reason:

A DELETE command was tried without the type of element to be deleted being specified.

Action:

Specify the type and name of the element to be deleted (DSNAME, PSDSNAME, PATTERN, PSPATTERN, or SYSTEM), and run the job again.

DEF0031 COMPRESSION TYPE KEYWORD NOT SPECIFIED ON THE (ccc) COMMAND**Reason:**

A data set or pattern is being defined by command (ccc) but a compression type was not specified.

Action:

Correct the command (ccc) by specifying a compression type or EXCLUDE.

DEF0032 (ttt) (nnn) DOESN'T EXIST-(ccc) IGNORED**Reason:**

A command (ccc) tried to process a name (nnn) of type (ttt), DSNAME, PSDSNAME, PATTERN, PSPATTERN, or SYSTEM, and the entry does not exist.

Action:

None necessary unless (nnn) is not the desired entry.

DEF0033 (ttt) (nnn) DOESN'T EXIST**Reason:**

The type (ttt), DATA or PATH, entry of name (nnn) was to be deleted but was not defined on the Control File.

Action:

None necessary unless (nnn) is not the desired entry. All other PATHs specified on the command will be processed.

DEF0034 LOAD MODULE (nnn) IS NOT A FDT - (ccc) REQUEST IGNORED**Reason:**

A command (ccc) tried to use load module (nnn) as an FDT but it was not a BrightStor CA-Compress FDT.

Action:

Check for possible misspellings of (nnn), or duplicate modules in the JOBLIB data sets. Contact Customer Support if neither of these conditions is present.

DEF0035 OPEN FAILED FOR DDNAME FDTLIB

Reason:

OPEN failed for the library defined by ddname FDTLIB while processing an FDT control statement.

Action:

The FDT is not added or replaced and the Utility continues processing the next control statement. Errors are likely when processing data sets defined to use this FDT. Make sure the FDTLIB specifies the correct load module library and that the data set name is spelled correctly.

DEF0036 LRECL=xxxxx,BLKSIZE=yyyyy,RECFM=zzz MISSING OR INCOMPATIBLE - REJECTED

Reason:

A PST data set is being ADDED or ALTERed and DCB attributes are missing or incompatible. Asterisks indicate missing values.

Action:

The data set is not ADDED or ALTERed and the Utility continues processing the next control statement. Supply the correct attributes and rerun the job.

DEF0037 DCBMODEL DATA SET IS COMPRESSED BUT NOT IMPLEMENTED - UNCOMPRESSED ATTRIBUTES UNAVAILABLE

Reason:

DCB attributes are being supplied from a DCBMODEL data set, but the Utility has found that the data set is compressed, but not defined to the Control File. The data set label has the compressed attributes, so the uncompressed attributes are unavailable.

Action:

The data set is not ADDED or ALTERed and the Utility continues processing the next control statement. Define the DCBMODEL data set to PST, specify another data set with the proper attributes, or supply the DCB attributes using the RECFM, LRECL, and BLKSIZE keywords.

DEF0097 ACCESS AUTHORITY EXCEEDED BY (ccc) FOR (ddd)**Reason:**

The command (ccc) tried to access data set (ddd) for which the user had insufficient access authority. The access is disallowed.

Action:

Check with your security administrator if you believe you should have access to the data set. Contact Customer Support if this message has been issued erroneously.

DEF0098 COMMAND REJECTED-CONTROL FILE NOT AVAILABLE**Reason:**

A command was tried but the Control File is not available for one of the following reasons:

- A SET command was not issued and a BrightStor CA-Compress Subsystem is not active.
- A SET command was issued with SUBSYS= or DDNAME= but the requested subsystem or dd name was not found.
- A SET command was issued with DDNAME= but the OPEN for the VSAM data set failed for some reason.

Action:

Determine the cause of the failure and correct it as follows:

- Start a BrightStor CA-Compress Subsystem or issue a SET command with a dd name.
- Specify the correct Subsystem name or dd name.
- Correct the problem that caused the VSAM OPEN to fail.

DEF0099 I/O ERROR ON CONTROL FILE, RC=(rr), FEEDBACK=(ffffff), REQUEST=(xx), NAME=(nnn)

Reason:

An Input/Output request was failed with return code of (rr), VSAM feedback of (ffffff). The request type of (xx) was for a record name (nnn). All numbers are in hexadecimal.

Action:

Contact Customer Support. This message may indicate a Control File error or a program logic error in the Control File Maintenance Utility.

DEF0103 FDT (nnn) ALREADY ON CONTROL FILE - AND DIFFERENT!

Reason:

FDT having name (nnn) already exists on the Control File and is not equal to the FDT to be added. Replacing it could cause data loss.

Action:

The FDT is not replaced and condition code 10 is set. You should ordinarily add the new FDT under a different name. If you replace the FDT in the Control File, be sure to first uncompress and reimplement any data sets which use it, or they may be lost.

DEF9999 DEFINE UTILITY COMPLETE-HIGHEST RETURN CODE = (rrr)

Reason:

The Control File Maintenance Utility processed the last statement and is terminating the run with return code (rrr).

Action:

None. This is a normal termination message.

IKJ Prefix Messages

IKJ562xx Dynamic allocation error message

Reason:

BrightStor CA-Compress found an error while trying to dynamically allocate a data set. To inform the user of the problem, BrightStor CA-Compress has invoked a routine to analyze the failure and inform the user.

Action:

Correct the problem described by the messages. When BrightStor CA-Compress is invoked using dynamic allocation, certain errors would otherwise cause JCL error messages now result in dynamic allocation error and information codes. The relation of the combination of error and information codes is as follows:

Error Code	Info Code	Message ID
03A0	0004	ZSUR011I
03A0	0008	ZSUR012I
0250	000C	ZSUR013I
03A0	0010	ZSUR014I
03A0	0014	ZSUR015I
03A0	0018	ZSUR016I
03A0	001C	ZSUR017I
03A0	0020	ZSUR018I
03A0	0024	ZSUR019I

SHR Prefix Messages, 3 Digits

SHR prefix messages with 3 digits are generated by BrightStor CA-Compress/2 (Shrink/2).

SHR002I INVALID FILE DESCRIPTOR TABLE

Reason:

The data set defined by a TABLxx DD statement or the PDS member indicated by an SCB is not a File Descriptor Table. The job will abend with a user code of 2, and a dump will be produced.

Action:

Correct the TABLxx DD statement and resubmit the job.

SHR004I SHRINK RECORD DEFINITIONS TOO LONG

Reason:

Record definitions exceed the FDT capacity. The job will abend with a user code of 4, and a dump will be produced.

Action:

Consolidate field definitions and resubmit the job.

SHR005I INVALID SHRINK PARM

Reason:

PARM value for the Compression utility is invalid. The job will abend with a user code of 5, but no dump will be produced. The preceding can occur when calling CA-Compress/2 using the DYNAM option in COBOL. The cause of the problem is that the SHRINK entry point must be statically called. DYNAM causes control to be passed to the SHRINK load module instead.

Action:

Correct the PARM value and resubmit the job. When using CA-Compress/2, do not use DYNAM.

SHR006I CANNOT OPEN (ddd)**Reason:**

No DD statement was found for the specified DDNAME (ddd). Probably a spelling error. The job will abend with a user code of 6, and a dump will be produced.

Action:

Correct the JCL or program as appropriate and resubmit the job.

SHR008I ERROR IN RECORD DEFINITIONS**Reason:**

At least one error was detected by the Prepass utility in user-coded RDL specifications. A message accompanies each error and appears in the RDL listing. The job will abend with a user code of 8, but no dump will be produced.

Action:

Correct RDL specifications and resubmit the job.

SHR010I (fff) CHECK BYTE MISMATCH**Reason:**

The expansion routine has verified the check byte and found that expansion was not done correctly. The CA-Compress/2 utilities abend with a user code of 10 and produce a dump. Callers of the expand routines that provide a return code parameter do not abend but receive a failing return code, which they must not ignore. The CA-Compress transparency raises a physical I/O error to the application. Several conditions may cause this problem:

- The FDT (fff) that is used to expand the data set was not used to compress it.
- The record area address passed to the EXPAND subroutine was not the first byte of the data portion of the record.
- The compressed record was modified by the user before expansion. This can happen when OCCURS DEPENDING is used incorrectly in COBOL programs calling the expansion subroutines directly.
- The RDL Position Function was used incorrectly.
- A Super Express compressed record does not end where expected.
- A compressed record was damaged or truncated when written. This can happen when OCCURS DEPENDING is used incorrectly in COBOL programs calling the compression subroutines directly.

Action:

Correct the error and resubmit the job.

SHR013I FN AND P PARMS MUTUALLY EXCLUSIVE. FN IGNORED.

Reason:

This message is issued by the Prepass utility program. It indicates that an FDT in load module format is incompatible with execution of the Prepass utility, because it is the Prepass utility that creates the FDT, which are always created in sequential data set format.

Action:

Correct the error and, resubmit the job. For Prepass, remove the FN parm. For COMPRESS, remove the P parm.

SHR014I (fff) EXPAND AREA EXCEEDED

Reason:

The length of the data expanded using FDT (fff) is greater than what should be expected using this FDT.

Action:

Make sure that the right FDT is being used.

SHR015I (fff) REC DEFS IMPLY WRONG LENGTH

Reason:

FDT name (fff) has RDL specifications that do not completely define the record, or the Position Function is used improperly. The job will abend with a user code of 15, and a dump will be produced.

Action:

Correct RDL specifications and resubmit the job.

SHR016I (nnn) ICB MISMATCH -RECORD ICB = (rrr), FDT ICB = (fff)**Reason:**

For FDT name (nnn), during the EXPAND process, BrightStor CA-Compress found that a record was compressed by an FDT other than the current one. The value (rrr) is the FDT number from the record, and (fff) is the current FDT's number. The record is not expanded. An ABEND USER 16 can result.

Action:

Use the FDT Services of the Interactive User Interface to determine the FDT name for the FDT numbers in question.

SHR020 (fff) INVALID TYPE VP OR VZ FIELD**Reason:**

For FDT (fff), a field defined as type VP does not contain packed decimal data, or a field defined as VZ does not contain zoned decimal data. The job will abend with a user code of 20, and a dump will be produced.

Action:

Make sure that the RDL specification is correct, and that all user records are valid.

SHR025I "fdt" D FIELD > 128 BYTES**Reason:**

For FDT (fff), a field whose field length descriptor is coded in the "Dc" form does not contain the delimiter character within the first 128 bytes. The job will abend with a user code of 25, and a dump will be produced.

Action:

Use a different field length descriptor and resubmit the job.

SHR031I INFILE/OUTFILE DD CARD INVALID

Reason:

Self-explanatory. The job will abend with a user code of 31, but no dump will be produced.

Action:

Resubmit the job with the correct DD statement.

SHR032I INFILE/OUTFILE PDS MEMBERNAME NOT SPECIFIED

Reason:

The INFILE or OUTFILE data set is a PDS, but the member name is not coded on the DD statement as required. The job will abend with a user code of 32, but no dump will be produced.

Action:

Code the member name and resubmit the job.

SHR033I INFILE/OUTFILE DSCB NOT FOUND

Reason:

JCL parameters UNIT and VOL are coded, but the data set is not contained on the specified volume. The job will abend with a user code of 33, but no dump will be produced.

Action:

Provide the correct UNIT and VOL parameters and resubmit the job.

SHR034I INFILE/OUTFILE BLKSIZE NOT A MULTIPLE OF LRECL

Reason:

Self-explanatory. Applies to fixed-length records only. The job will abend with a user code of 34, but no dump will be produced.

Action:

Correct the JCL and resubmit the job.

SHR035I INFILE/OUTFILE BLKSIZE TOO SMALL**Reason:**

The value of the data set's BLKSIZE attribute is less than the value of the data set's LRECL attribute. The job will abend with a user code of 35, but no dump will be produced.

Action:

Correct the JCL and resubmit the job.

SHR036I OUTFILE RECFM DIFFERS FROM RECFM BEFORE COMPRESSION**Reason:**

The RECFM attribute of an expanded data set must be identical to the RECFM attribute of the original uncompressed data set. The job will abend with a user code of 36, but no dump will be produced.

Action:

Correct the OUTFILE DD statement and resubmit the job.

SHR037I OUTFILE LRECL LESS THAN LRECL BEFORE COMPRESSION**Reason:**

The LRECL attribute of an expanded data set must be at least equal to the LRECL attribute of the original uncompressed data set. The job will abend with a user code of 37, but no dump will be produced.

Action:

Correct the OUTFILE DD statement and resubmit the job.

SHR038I OUTFILE KEYLEN ABSENT. NO DEFAULT TAKEN.

Reason:

The data set defined by the INFILE DD statement has physical sequential organization. The data set defined by the OUTFILE DD statement has indexed sequential organization but the KEYLEN attribute is not specified. The job will abend with a user code of 38, but no dump will be produced.

Action:

Correct the OUTFILE DD statement specifying the KEYLEN attribute and resubmit the job.

SHR039I OUTFILE KEY NOT WITHIN TYPE N DEFINITIONS

Reason:

The ISAM/VSAM key for the compressed data set is not exempted from compression. The job will abend with a user code of 39, but no dump will be produced.

Action:

Correct user-coded RDL specifications, exempting the key from compression, and resubmit the job.

SHR040I OUTFILE RKP INVALID FOR RECFM=V.

Reason:

The value of the OUTFILE data set RKP attribute is less than 4. For ISAM data sets, this is invalid for RECFM=V., because the first 4 bytes contain the RDW. The job will abend with a user code of 40, but no dump will be produced.

Action:

Correct the OUTFILE DD statement, specifying a value greater than 3, and resubmit the job.

SHR041I (ooo) (dd) IS OUTFILE NOT SUPPORTED FOR EXPRESS**Reason:**

For OUTFILE (ooo) DD (dd), only VSAM or PS data sets may be created from Express compressed data sets.

Action:

Correct the OUTFILE DD statement specifying one of the above data set DSORG types.

SHR042I OUTFILE RECFM MUST BE SPECIFIED FOR EXPRESS OUTFILE**Reason:**

The RECFM parameter is required for OUTFILE DD when expanding to a PS data set.

Action:

Add the RECFM parameter to the OUTFILE DD statement.

SHR043I OUTFILE LRECL MUST BE SPECIFIED FOR EXPRESS OUTFILE**Reason:**

The LRECL parameter is required for OUTFILE DD when expanding to a PS data set.

Action:

Add the LRECL parameter to the OUTFILE DD statement.

SHR050I INVALID PARM PASSED TO EXPAND

Reason:

PARM value for the Expansion utility is invalid. The job will abend with a user code of 50, but no dump will be produced. The preceding can occur when calling BrightStor CA-Compress/2 using the DYNAM option in COBOL because the EXPAND entry point must be statically called. DYNAM causes control to be passed to the EXPAND utility instead.

Action:

Correct the PARM value and resubmit the job. Do not compile COBOL programs containing Compress/2 calls using the DYNAM option.

SHR101I INFILE KEY IS SCRAMBLED ON OUTFILE

Reason:

Issued from the Compression utility. All or part of the key, as indicated by the INFILE data set's RKP and KEYLEN attributes, is compressed according to RDL specifications.

Action:

Correct the error and resubmit the job.

SHR102I OUTFILE ISAM/VSAM BUT UNCOMPRESSED WAS SEQUENTIAL

Reason:

Issued from Compression and Expansion utilities. The DSORG attribute is expected to remain the same for the expanded and compressed versions of the data set, but this is acceptable if the RDL does not expect an RDW, which is incompatible with VSAM records.

Action:

Correct the error and resubmit the job.

SHR103I OUTFILE KEYLEN NOT EQ KEYLEN BEFORE COMPRESSION**Reason:**

Issued from Compression and Expansion utilities. The KEYLEN attribute is expected to remain the same for the expanded and compressed versions of the data set. This message may be issued in error, if the FDT was built using a PS data set.

Action:

Correct the error and resubmit the job. If the FDT was created using a PS data set, verify that the RDL does not expect an RDW, which is incompatible with VSAM records.

SHR104I OUTFILE LRECL LARGER THAN BEFORE COMPRESSION**Reason:**

Issued from the Expansion utility. The expanded data set's LRECL is expected to be identical to the LRECL of the data set before compression.

Action:

Correct the error and resubmit the job.

SHR105I OUTFILE LRECL NOT 8 LONGER THAN INFILE LRECL**Reason:**

Issued from the Compression utility. The compressed output data set's LRECL should be at least 8 bytes greater than the uncompressed data set's LRECL in case a particular compressed record is longer than the uncompressed record from which it is created.

Action:

Define the compressed output data set to include the additional 8 bytes in the record length. Then resubmit the job.

SHR106I OUTFILE RECFM (Fxx) USUALLY INVALID

Reason:

Issued from the Compression utility. Compressed output is usually defined as RECFM=Vxx, or RECFM=U. Unless the user specifically intends RECFM=Fxx, this message denotes an error which must be corrected.

Action:

Specify RECFM=Vxx on the OUTFILE DD statement.

SHR107I OUTFILE RKP NOT EQ RKP BEFORE COMPRESSION

Reason:

Issued from the Expansion utility. The expanded data set's RKP is expected to be identical to the RKP of the data set before compression. This message can be issued in error, if the FDT was built using a PS data set.

Action:

Correct the error and resubmit the job. If the FDT was created using a PS data set, verify that the RDL does not expect an RDW, which is incompatible with VSAM records.

SHR108I OUTFILE RKP PROBABLY SHOULD BE (nnnn)

Reason:

Issued from the Compression utility for ISAM only. According to RDL specifications, the key is placed at offset (nnnn) in the compressed record, but the OUTFILE data set RKP indicates another location.

Action:

Correct the error and resubmit the job.

SHR109I OUTFILE RKP VALUE PREVENTS RECORD DELETION**Reason:**

Issued from the Compression utility for ISAM only. The RKP value is 0 for fixed-length records, or less than 5 for variable-length records. This RKP value prevents deletion by the DCB parameter OPTCD=L.

Action:

Correct the error and resubmit the job.

SHR110I OUTFILE IS SUBSYSTEM DATA SET**Reason:**

This warning message indicates that the OUTFILE data set is allocated to a JES or a BrightStor CA-Compress data set. OUTFILE will be a compressed data set. If OUTFILE is a BrightStor CA-Compress data set, the data will be compressed twice. If OUTFILE is a JES data set, JES will try to print/punch compressed data.

Action:

Check the JCL.

SHR201I "P" USED BUT NO PRIOR POSITION FUNCTION.

SHR202I FIXED FIELD LENGTH EXCEEDS 16K.

SHR203I FIXED FIELD LENGTH IS ZERO.

SHR204I ILLEGAL 00 IN TYPE S OR TYPE X.

SHR205I INVALID CHARACTER IN HEX STRING.

SHR206I INVALID FIELD LENGTH DESCRIPTOR.

SHR207I INVALID OPERAND IN POSITION FUNCTION.

SHR208I INVALID VARIABLE DEFINITION LENGTH.

SHR209I MISSING QUOTE AFTER REPETITION FACTOR.

SHR210I MORE THAN 15 NESTED QUOTES.

SHR211I MORE THAN 16 CONDITIONS IN GROUP.

SHR212I MORE THAN 16 VALUES IN TYPE S OR X FLD.

SHR213I NESTED PARENTHESES ILLEGAL.

SHR214I NUMBER CANNOT EXCEED 32767.

SHR215I NUMBER EXCEEDS 8 DIGITS.

SHR216I PD FIELD EXCEEDS 8 BYTES.

SHR217I RECORD DEFS EXCEED MAX SIZE.

SHR218I RECORD DEFS WILL IMPLY WRONG LENGTH.

SHR219I TOTAL TYPE N LENGTHS EXCEED 4095.

SHR220I TYPE M NOT ALLOWED IN CONDITION GROUP.

SHR221I TYPE M NOT ALLOWED IN VS"... " REP GROUP.

SHR222I TYPE N NOT ALLOWED IN REP OR CONDIT GROUP.

SHR223I TYPE N PRECEDED BY VARIABLE LEN FLD.

SHR224I UNEXPECTED CHARACTER ENCOUNTERED.

SHR225I UNPAIRED LEFT PARENTHESIS.

SHR226I UNPAIRED LEFT QUOTE.

SHR227I UNPAIRED QUOTE.

SHR228I UNPAIRED QUOTE WITHIN PARENTHESES.

SHR229I UNPAIRED RT PARENTHESIS.

SHR230I VAR LEN ALLOWED FOR C, GA & UN FLDS ONLY.

SHR231I VS USED WITHOUT PRIOR TYPE V DEFINITION.

SHR232I ZERO REPETITION FACTOR.

SHR233I (ccc) IS AN INVALID COMPRESSION TYPE CODE.

SHR234I A REPETITION FACTOR MUST BE A 2-DIGIT NUMBER FROM 02 THROUGH 99.

SHR235I DATA REQUIRED TO BE NUMERIC CONTAINS NON-NUMERIC CHARACTERS.

SHR236I S/X FIELD LENGTH MUST BE A 2-DIGIT NUMBER.

SHR237I CONDITIONAL FIELD LENGTH MUST BE A 2-DIGIT NUMBER.

SHR238I S/X TABLE ENTRIES MUST BE A 2-DIGIT NUMBER.

SHR239I DATA LENGTH (xxxxxxx) DEFINED BY RDL IS SMALLER THAN RECORD LENGTH.

SHR240I DATA LENGTH (xxxxxxx) DEFINED BY RDL IS LARGER THAN RECORD LENGTH.

SHR241I LENGTH OF ENTRY VALUES FOR S OR X TABLE IS TOO SHORT.

SHR242I LENGTH OF ENTRY VALUES FOR S OR X TABLE IS TOO LONG.

SHR243I A CONDITION VALUE MUST HAVE THE LENGTH SPECIFIED FOLLOWED BY A COMMA.

SHR244I A CONDITION VALUE MUST HAVE THE LENGTH SPECIFIED FOLLOWED BY A COMMA.

SHR300A IBM HARDWARE COMPRESSION UNAVAILABLE

Reason:

The CVT indicates that IBM Hardware Compression is unavailable on this machine.

Action:

Compression or expansion fails with user abend 300 or return code 300, depending on whether the RC parameter was supplied in the call. You cannot use Hardware Compression on this machine.

SHR316A "module" DICTIONARY xxxxxxxx ERROR**Reason:**

An invalid dictionary name was specified, an invalid size or ICB was specified, or the dictionary load module does not appear to be a hardware compression dictionary.

Action:

Compression or expansion fails with user abend 316 or return code 316, depending on whether the RC parameter was supplied in the call. Be sure that the dictionary name is valid (HC#STDnn where nn is 01 through 99, or HC#USRnn where nn is 00 through 27). Set the size and ICB to zero for the first call and do not alter them again. Be sure the dictionary load module consists of the compression dictionary immediately followed by the expansion dictionary, and that it has the page-aligned attribute.

SHR317A "module" CSRCMPSC FAILED, RC=YY**Reason:**

An unexpected return code was issued by the IBM Hardware Compression macro, CSRCMPSC.

Action:

Compression or expansion fails with user abend 317 or return code 317, depending on whether the RC parameter was supplied in the call. Contact Customer Support.

SHR Prefix Messages, 4 Digits

SHR prefix messages with 4 digits are generated by the Interactive User Interface.

SHR0101 COMPANY CONTROL CARD NOT FIRST CARD READ**Reason:**

The first control card read was not the company "C" card.

Action:

Correct the order of the cards and rerun the job.

SHR0102 AUTHORITY CARD NOT SECOND CARD READ

Reason:

The second control card read was not the authority "A" card.

Action:

Correct the order of the cards and rerun the job.

SHR0103E ANALYSIS FILE DOES NOT HAVE SHARE OPTIONS (4,3). WITHOUT THESE SHARE OPTIONS, THE ANALYSIS FILE WOULD BE DESTROYED WHEN SHARED BETWEEN MULTIPLE USERS. CURRENT DATA SHARE OPTION IS (x,x). CURRENT INDEX SHARE OPTION IS (x,x).

Reason:

If a question mark appears in either or both share options, SVC 26 was unable to get the share options for that component-in which case, the above message is preceded by one or both of the following, as appropriate:

SVC 26 FAILED TO GET DATA PORTION SHAREOPTIONS, R15=xx

SVC 26 FAILED TO GET INDEX PORTION SHAREOPTIONS, R15=xx

SHAREOPTIONS defaulted or incorrectly specified on DEFINE for Analysis File.

Action:

Redefine Analysis File specifying SHR (4,3) at the cluster level, or ALTER any DATA or INDEX component in error. If SVC 26 failed, contact Customer Support. Send all output and the dump if requested.

SHR0104 END OF CONTROL CARDS BEFORE COMPANY AND AUTHORITY CARDS WERE READ

Reason:

Neither the company nor the authority cards were found.

Action:

Supply the needed control cards and rerun the job.

SHR0105E SFEANAL OPEN ERROR, ERROR = (nnn)**Reason:**

OPEN failed with an error code of (nnn). Error code 128 means the DD card is missing or misspelled. This message should be preceded by IEC130I. Error code 188 means the data set is not VSAM.

Action:

Be sure SFEANAL DD card is present and describes the Analysis File. If unable to resolve problem, contact Customer Support.

SHR0106E SFEANAL CLOSE ERROR, ERROR = (nnn)**Reason:**

CLOSE failed with an error code of (nnn). Error code 004 means the file is already closed. Other conditions probably indicate damage to the catalog or the device.

Action:

For error code 004, contact Customer Support. For other conditions, contact your systems programmer.

SHR0107E WRONG KEYLEN nnn - MAY NOT BE ANALYSIS FILE**Reason:**

The Analysis File initialization program has discovered an invalid key length of *nnn* in the Analysis File being initialized. You are probably trying to initialize the wrong data set. A key length of 46 probably means you inadvertently specified the Control File instead of the Analysis File.

Action:

The initialization program issues a user 107 abend and stops without changing the data set. Correct the JCL, specifying the Analysis File, and rerun the job.

SHR0115E SFEFILE OPEN ERROR, ERROR = (nnn)BE SURE FILE IS NOT EMPTY

Reason:

OPEN failed with an error code of (nnn). Error code 160 means that the file is empty.

Action:

Be sure that the SFEFILE has data in it. If unable to resolve problem, contact Customer Support.

SHR0800E LOGICAL VSAM ERROR ON THE SHRINK DIALOG ANALYSIS FILE DASD PHYSICAL ERROR ON THE SHRINK DIALOG ANALYSIS FILE

Reason:

A LOGICAL VSAM error or a DASD PHYSICAL error has occurred while the Analysis File was being processed.

Action:

Obtain the I/O error report and the SYSUDUMP. If the error is a LOGICAL VSAM error, contact Customer Support. If the error is a DASD PHYSICAL error, contact your own operations area for help.

SHR0801E SHRINK DIALOG QSAM/BPAM I/O ERROR

Reason:

A DASD PHYSICAL error has occurred while one of the Interactive User Interface programs was processing a physical sequential data set or a partitioned data set.

Action:

Obtain the I/O error report and the SYSUDUMP and contact your own operations area for assistance.

VPE Prefix Messages

This section describes the format of the VPE messages, and lists common messages.

VPE Message Format—The following format is used for all messages issued by VPE:

```
ddname .data set name
VPEc-snnnn ttt
```

The first line is present only when the message refers to a specific data set. The rest of the message is defined as:

VPEc	VPE module issuing the message
s	Severity code
n	Message number
t	Message text

Severity Codes—The following describes the associated severity codes.

- **Information (I)**-Information messages provide information about the operation of VPE code (that is, what type of optimization was performed). No action other than review is required for these messages.
- **Warning Messages (W)**-Warning messages advise you of potential problems and conditions that can negatively affect performance. Potential corrections should be discussed with a programmer familiar with VSAM and/or the application.
- **Error Messages (E)**-Error messages advise you of errors encountered during processing. These errors do not affect data integrity, but do affect performance (that is, insufficient region space to allocate LSR buffers). Whenever possible, VPE recovers from an error and allows your application to continue. However, in the process it may have to disable some or all of its performance enhancement features. Some E-severity messages are written to the console as well as to the log. All E-severity messages should be reviewed and corrective action taken.

- **Fatal Error Messages (F)**—Fatal error messages are accompanied by an abend User Code 9999. VPE is designed to provide maximum availability and always attempts to recover or disable itself without abending. However, when no recovery is possible, or when recovery may compromise data integrity, VPE issues an F-severity message. An E-severity message usually proceeds an F-severity message and indicates the means to correct the error. For example, a broken catalog can have part of a VSAM data set cataloged and part of it missing. This will result in both E- and F-severity messages because it may be a true error or a change in DFP control block structure. If the fix will be time consuming, VPE can be disabled using the VPEIGNR DD DUMMY statement.

System ABENDS—Whenever a job using VPE abends and the reason is not obviously a fault of the application, include the VPEIGNR DD statement and run the job again.

Note: System error code 0C4 can be caused by 24-bit mode programs using Get Locate mode on VSAM data sets, which VPE has placed in a 31-bit address LSR pool. This is corrected by using LSR below the line. Coding //VPELSRPB DD DUMMY in the job step to force the LSR pool below the line should correct the problem.

Message Examples—The following are examples of VPE messages.

Example 1:

```
VPEVCAT-I1010 LSR TGT POOL SIZE IS nn K.  
SEQUENTIAL BUFFER LIMIT IS nnnnnn.  
VPEVCAT-I1010 BUFR MULTIPLIER (POWER FACT) IS nnnn.  
USE REGION/MINRESRV/TGTBUF/POWER/ VPEBUF TO ALTER)
```

The 1010 message indicates the size of the LSR buffer pool VPE has created for data sets using LSR and how much space it has calculated to be available for sequential buffer optimization. The buffer multiplier or power factor is the number of buffers to be allocated to each VSAM component specified in the step JCL. The calculation is:

space available for LSR

minimum LSRpool size

Values between 5 and 50 are desirable. The actual buffer counts and percent buffer hit ratio are given in other messages. If enough region is available, the actual target pool size will usually be equal to the TGTBUF default or specific RULE or the TGTBUF DD. These are used to limit the size of the LSR pool by setting a target maximum. The sequential buffer limit is equal to the below the line region minus the MINRESERV minus the LSR pool (if using LSR below the line) divided by 2. In the case of below the line LSR, half of the MINRESRV is also considered available for sequential buffer optimization. MINRESRV defaults to 300K.

Example 2:

VPEVSMX-W0530 VSAM SHARE OPTION 4 SPECIFIED ON FILE - EXCLUDED

Because LSR is incompatible with SHAREOPTIONS 4, VPE has excluded the data set from LSR optimization.

VPEVSMX-E0543 INVALID SYSTEM SAVE AREA CHAINING - LSR STATS NOT AVAILABLE. BAD SAVE AREA AT xxxxxxxx

Reason:

The forward pointer of the TCB first save area does not point to a save area which points back to the TCB first save area. VPE cannot produce statistics at end of step, but otherwise should function correctly.

Action:

This message is of no concern if it results from certain products such as PL/1 destroying the forward pointer in the TCB first save area. Be sure that you are using the current release of VPE. If not, upgrade VPE. If the problem persists and PL/1 is not involved, contact Customer Support.

VPEVSMX-E0544 INVALID SAVE AREA: (xxx)

Reason:

This message accompanies VPEVSMX-E0543 and shows the beginning of the TCB first save area. The third set of 8 hexadecimal digits in hexadecimal string (xxx) is the forward pointer to the next save area, and it has probably been destroyed.

Action:

As indicated for VPEVSMX-E0543.

XP5 Prefix IUI Analysis Errors

XP5 prefix errors are returned to the IUI worklist by module SUIGXP05.

XP5Annnn

Reason:

Dynamic allocation failed with error code nnnn.

Action:

Analysis fails for the data set, but the IUI continues. The easiest way to diagnose this condition is to issue a TSO PRINT IDS against the data set with COUNT(0), and use the diagnostic messages from TSO to help you understand what happened. Volume @ZSAM@ indicates that the Safeguards volume is on an unimplemented data set, perhaps because you deleted its entry from the Control file before deleting the data set. Use ALTER RVOL to remove the @ZSAM@ volume, allowing you to delete the data set.

ZSUR Prefix Messages

ZSUR prefix messages are generated by the BrightStor CA-Compress subsystem.

ZSUR000I (xxxx) NOW (yyyyy)

Reason:

BrightStor CA-Compress has either started up if (yyyyy) is ACTIVE, or terminated if (yyyyy) is INACTIVE, or abended if (yyyyy) is INACTIVE DUE TO ABEND.

Action:

None, unless BrightStor CA-Compress was not supposed to change status at this time. If the status was abended, a record describing the error will be written out to the LOGREC data set.

ZSUR001I (yyyyy) FAILED**Reason:**

BrightStor CA-Compress was either opening, closing or requesting status on a data set and the function (yyyyy) failed. The value (yyyyy) may be DYNALLOC or DYNUNALLOC.

Action:

If (yyyyy) is DYNALLOC, check your JCL because the allocation may have failed due to a DATA SET NOT FOUND condition. If all parameters check out properly, run a GTF trace with DCB=DIAGNS=TRACE on the DD that is failing and contact Customer Support.

ZSUR002I DDNAME (yyyyy) NOT FOUND**Reason:**

BrightStor CA-Compress was opening a data set for the first time and the user had supplied an "addname" parameter rather than using dynamic allocation. BrightStor CA-Compress was trying to determine the DSORG of the data set, but the information retrieval call indicated that there was not a data set with the specified DDNAME.

Action:

Make sure that (yyyyy) is the correct DDNAME. If so and the error persists, contact Customer Support.

ZSUR003I RECURSIVE OPEN ON DDNAME (yyyyy)**Reason:**

BrightStor CA-Compress was opening a data set with DD name (yyyyy) that used DD name redirection (the addname field) and tried to open a subsystem data set that was already being opened. If this were allowed, the job would loop until the available memory was used up, and then it would abend. Instead, BrightStor CA-Compress will fail the second OPEN of DD name (yyyyy).

Action:

Make sure (yyyyy) has the SUBSYS parameters coded correctly and any redirection has a VSAM or sequential data set as its objective. If the error persists, contact Customer Support.

ZSUR004I WORK AREA POINTER MISSING IN CLOSE ROUTINE

Reason:

BrightStor CA-Compress was to CLOSE a data set; however, the pointer to the work area was zero.

Action:

Contact Customer Support. There may be an internal error.

ZSUR005I CLOSE FAILED

Reason:

BrightStor CA-Compress was closing a data set; however, the data set associated with the subsystem data set failed to CLOSE properly.

Action:

Check any messages that MVS may have issued during the failed CLOSE. Correct any problems found by these messages. If the problem persists, contact Customer Support. There may be an internal error.

ZSUR006I WORK AREA POINTER MISSING IN AM ROUTINE

Reason:

BrightStor CA-Compress was to process a request macro for the data set; however, the pointer to the work area was zero.

Action:

Contact Customer Support. There may be an internal error.

ZSUR007I ACB OVERLAID PRIOR TO CLOSE PROCESSING

Reason:

BrightStor CA-Compress was called to close a user's ACB, but the ACB does not pass the validity checks.

Action:

CLOSE continues to process the data set.

ZSUR008I (dd)-ACB SPECIFIES MACRF=(aaa)**Reason:**

For DD statement (dd), (aaa) can be either CNV or ICI. Explanations for each are as follows:

- CNV-During OPEN, BrightStor CA-Compress determined Control Interval access was requested for DD statement (ddd), for which compression and expansion was requested, but CNV is not supported.
- ICI-During OPEN, BrightStor CA-Compress determined Improved Control Interval access (ICI) was requested for DD statement (ddd), for which compression and expansion was requested, but ICI is not supported.

Action:

The action for CNV or ICI is as follows:

- CNV-The OPEN is allowed to complete, and any requests for records are processed by BrightStor CA-Compress. However, requests for CNV will not be compressed or expanded.
- ICI-The OPEN is terminated for this data set. Either correct the program so it no longer requests ICI, or remove compression from the data set.

ZSUR009I SEQUENTIAL DATA SET PROCESSING NOT AVAILABLE WITH NATIVE ACB**Reason:**

BrightStor CA-Compress was to OPEN a data set using an ACB (Access Method Control Block - used for VSAM); however, the data set associated with the subsystem data set was not a VSAM data set.

Action:

Make sure the program does not try to OPEN a sequential data set using an ACB, or contact Customer Support.

ZSUR010I AREWORK AT xxxxxxxx ALREADY ACTIVE

Reason:

BrightStor CA-Compress Record Management found that the AREWORK (a control block internal to BrightStor CA-Compress) at xxxxxxxx had its active flag on when it should have been off. I/O was not properly serialized, or a preceding abend or other problem prevented the previous request from completing.

Action:

BrightStor CA-Compress issues ENDREQ against the RPL before continuing in order to prevent a hang. Especially if this is an OS/390 system, be sure maintenance is current. Any preceding abend should be researched. Unless it is clearly not due to a problem in BrightStor CA-Compress, contact Customer Support.

ZSUR011I MISSING PARAMETERS IN SUBSYS KEYWORD

Reason:

BrightStor CA-Compress issues this message when the JCL parameter SUBSYS= has fewer than three subparameters specified.

Action:

See SUBSYS Syntax for the BrightStor CA-Compress Subsystem in the chapter "SUBSYS DD Parameter" for the format of the subparameters.

ZSUR012I TOO MANY PARAMETERS IN SUBSYS KEYWORD

Reason:

BrightStor CA-Compress issues this message when the JCL parameter SUBSYS= has more than four positional subparameters specified.

Action:

See the BrightStor CA-Compress Subsystem in the chapter "SUBSYS DD Parameter" for the format of the subparameters.

ZSUR013I INSUFFICIENT REGION TO PROCESS REQUEST**Reason:**

BrightStor CA-Compress was getting storage for a control block and the GETMAIN indicated that there was no more storage available.

Action:

Increase the REGION size. If the problem persists and it is a dynamic allocation of a BrightStor CA-Compress data set, make sure that your program is not acquiring all available memory before invoking BrightStor CA-Compress. If it is not a dynamic allocation and your program is not acquiring all available memory, contact Customer Support.

ZSUR014I INVALID SUBTYPE IN SUBSYS KEYWORD**Reason:**

BrightStor CA-Compress was checking the JCL parameters and the SUBTYPE (second parameter) was null or invalid.

Action:

See the BrightStor CA-Compress Subsystem in the chapter "SUBSYS DD Parameter" for the format of the subparameters.

ZSUR015I FDT PARAMETER NOT SPECIFIED**Reason:**

BrightStor CA-Compress was checking the JCL parameters and the FDT (third parameter) was null.

Action:

See the BrightStor CA-Compress Subsystem in the chapter "SUBSYS DD Parameter" for the format of the subparameters.

ZSUR016I FDT PARAMETER TOO LONG

Reason:

BrightStor CA-Compress was checking the JCL parameters and the FDT (third parameter) was greater than 8 characters.

Action:

See the SUBSYS Syntax for the BrightStor CA-Compress Subsystem for the format of the subparameters.

ZSUR017I FDT PARAMETER INVALID

Reason:

BrightStor CA-Compress was checking the JCL parameters and the FDT (third parameter) was either 2 numeric characters with a value greater than 31 or the first character was not alphabetic.

Action:

See the BrightStor CA-Compress Subsystem in the chapter "SUBSYS DD Parameter" for the format of the subparameters.

ZSUR018I DDNAME PARAMETER TOO LONG

Reason:

BrightStor CA-Compress was checking the JCL parameters and the DDNAME (fourth parameter) was greater than 8 characters.

Action:

See the BrightStor CA-Compress Subsystem in the chapter "SUBSYS DD Parameter" for the format of the subparameters.

ZSUR019I DDNAME PARAMETER INVALID**Reason:**

BrightStor CA-Compress was checking the JCL parameters and the first character of the DDNAME (fourth parameter) was not alphabetic.

Action:

See the BrightStor CA-Compress Subsystem in the chapter "SUBSYS DD Parameter" for the format of the subparameters.

ZSUR020I PARAMETER IN ERROR - (ppp)**Reason:**

During JCL conversion or allocation processing, BrightStor CA-Compress found that parm value (ppp) for SUBSYS was in error.

Action:

Parm value (ppp) may be too large (if numeric) or not numeric and numerics are required, or a parameter may require a keyword value that was not specified. Correct the value in error.

ZSUR021I PARAMETER INVALID - (ppp)**Reason:**

During JCL conversion or allocation processing, BrightStor CA-Compress found that parm value (ppp) for SUBSYS was specified as a keyword, yet was not recognized by BrightStor CA-Compress.

Action:

Correct parm value (ppp).

ZSUR022I SEQUENTIAL FDTs ARE NO LONGER SUPPORTED**Reason:**

As of Release 2.0, BrightStor CA-Compress does not support sequential FDTs.

Action:

Convert your sequential FDT to load module format and change your JCL.

ZSUR030I (ddd) TEST MODE PROCESSING SPECIFIED

Reason:

When the data set (ddd) specified on DD statement was defined to BrightStor CA-Compress, it was defined as being in "test mode."

Action:

This is an informational message only.

ZSUR031I (ddd) MACRF=CNV PROCESSING SPECIFIED

Reason:

During OPEN, BrightStor CA-Compress determined that the data set for DD statement (ddd) was compressed by the Transparency, but was being processed in control interval mode, which is not supported.

Action:

The OPEN is allowed to complete, but the data will not be expanded as it is read. This can happen if a DASD backup package reads the data set using CI access, which is normally acceptable.

ZSUR032I (ddd) CONTROL BLOCKS IN COMMON PROCESSING SPECIFIED

Reason:

During OPEN for the data set specified by DD statement (ddd), BrightStor CA-Compress determined that the program opening the ACB specified that the VSAM control blocks be in common storage for a data set that is compressed by the Transparency. This is not supported.

Action:

Either change the program so that it no longer specifies CBIC, or uncompress the data set.

ZSUR033I (ddd) MACRF=ICI PROCESSING SPECIFIED**Reason:**

During OPEN, BrightStor CA-Compress determined that the data set for DD statement (ddd) was compressed by the Transparency, but Improved Control Interval access (ICI) is requested yet not supported.

Action:

The OPEN is allowed to complete but the data will not be expanded as it is read. Programs that use ICI are allowed only control interval Input/Output.

ZSUR040I (ddd) DEBCHK HAD NON-ZERO RETURN CODE**Reason:**

During OPEN for the data set specified by DD statement (ddd), BrightStor CA-Compress issued a DEBCHK macro to add the newly created DEB to the DEB table. The macro had a non-zero return code.

Action:

Rerun the job. If the error persists, contact Customer Support.

ZSUR041I (ddd) ARWORK POINTER WAS ZERO AFTER OPEN**Reason:**

During OPEN for the data set specified by DD statement (ddd), BrightStor CA-Compress found that the anchor for the ARWORK control block was zero. This is an internal error.

Action:

Contact Customer Support.

ZSUR042I (ddd) ARWORK POINTER DIDN'T POINT TO ARWORK

Reason:

During OPEN for the data set specified by DD statement (ddd), BrightStor CA-Compress found that the anchor for the ARWORK control block pointed to a location that failed the validity check for the ARWORK. This is an internal error.

Action:

Contact Customer Support.

ZSUR043I (ddd) SCHEDULED DATA SET IS RRDS OR LINEAR DATA SET

Reason:

BrightStor CA-Compress found the data set associated with DD statement (ddd) was scheduled but was an RRDS (NUMBERED VSAM option) or a VSAM LINEAR data set. These VSAM data organizations are not supported due to their internal structures.

Action:

None. This message indicates that a requested data set is not of the proper organization and that it will be excluded from compression.

ZSUR044I (ddd) SCHEDULED DATA SET HAS NON-ICB FDT

Reason:

During the OPEN for the data set specified by DD statement (ddd), BrightStor CA-Compress found the data set was to be compressed by using next-open or next-load scheduling and the data set's FDT was not produced by the Interactive User Interface, Version 1.2 or above.

Action:

The OPEN is allowed to continue without BrightStor CA-Compress intervention. The data set is not compressed now. The message is reissued on each subsequent OPEN meeting the specified criteria.

ZSUR045I (ddd) SCHEDULED DATA SET WOULD HAVE KEY MOVEMENT**Reason:**

During the OPEN for the data set specified by DD statement (ddd), BrightStor CA-Compress found the data set was to be compressed using next-open or next-load scheduling and the data set's FDT would cause compression of either the primary or secondary keys. No key movement is allowed for a scheduled data set.

Action:

The OPEN is allowed to continue without BrightStor CA-Compress intervention. The data set is not compressed now. The message is reissued on each subsequent OPEN that meets the specified criteria.

ZSUR046I (ddd) ERROR RETURN CODE FROM CATALOG ANALYSIS**Reason:**

During the OPEN for the data set specified by DD statement (ddd), BrightStor CA-Compress was analyzing the structure of the VSAM data set associated with the DD statement and received a return code that indicated an error occurred during the analysis.

Action:

Contact Customer Support.

ZSUR047I (ddd) SCHEDULED DATA SET MUST HAVE CONTROLLED FDT**Reason:**

During the OPEN for the data set specified by DD statement (ddd), BrightStor CA-Compress determined that the FDT requested was not in the Control File. The FDT must be in the Control File for a data set defined for next-open or next-load processing.

Action:

The OPEN is allowed to continue without BrightStor CA-Compress intervention. The data set is not compressed now. The message is reissued on each subsequent OPEN that meets the specified criteria.

ZSUR049I (ddd) FDT NOT CONTROLLED

Reason:

During OPEN for the data set specified by DD statement (ddd), BrightStor CA-Compress did not find the FDT for the data set in the Control File.

Action:

BrightStor CA-Compress assumes that the FDT is in load module format, and continues to OPEN the data set. It will attempt to load the FDT from a JOBLIB/STEPLIB or LINKLIB data set. If the FDT cannot be located in any of these data sets, the step may abend with a system 806 abend. A system 306 abend can occur if using the IDCAMS utility and the load module FDT resides in an unauthorized library, because IDCAMS is an authorized program.

ZSUR050I SHRINK ABEND DURING OPEN/CLOSE; ARWORK=xxxxxxxx

Reason:

BrightStor CA-Compress was processing either an OPEN or CLOSE request when an abend occurred. The abend continues.

Action:

This message can occur due to JCL or program problems. Correct any errors that messages can indicate and rerun. If the error persists, contact Customer Support.

ZSUR064I (sss) EXCLUSION TABLE TYPE NOT RECOGNIZED

Reason:

During initialization of the BrightStor CA-Compress address space, it was determined that the exclusion table data set had input statements (sss) that specified an exclusion table type that was not recognized.

Action:

The BrightStor CA-Compress address space continues to process the following exclusion table input, but will ignore this request and the input cards for this table type.

ZSUR065I (sss) EXCLUSION TABLE TYPE ALREADY USED**Reason:**

During initialization of the BrightStor CA-Compress address space, it was determined that the exclusion table specified had already been specified. An exclusion table may be specified only once.

Action:

The BrightStor CA-Compress address space continues to process the following exclusion table input, but will ignore this request and the input cards for this table type. Correct the problem in the exclusion table data set. Then issue the command F ZSAMT,REFRESH,EXCLUSION to refresh the tables in common storage.

ZSUR066I (sss) EXCLUSION TABLE TYPE NOT SELECTED**Reason:**

During initialization of the BrightStor CA-Compress address space, it was determined that an exclusion table had not been specified before specifying job, program or module names. The type of exclusion table must be specified before defining the names.

Action:

The BrightStor CA-Compress address space continues to process the following exclusion table input, but will ignore the input cards prior to the first exclusion table specification. Correct the problem in the exclusion table data set. Then issue the command F ZSAMT,REFRESH,EXCLUSION to refresh tht tables in common storage.

ZSUR067I (ddd) EXCLUDED DUE TO (##)

Reason:

During execution of an OPEN macro for DDNAME (ddd), BrightStor CA-Compress determined that the request was for a data set defined to the Transparency; but the job name, program name or module name (ttt) was found in the exclusion table.

Action:

The OPEN macro continues as if the data set were not defined to the Transparency, meaning that the job, program or module (ttt) so defined will be reading compressed data, and will not be compressing data written to the data set defined by DDNAME (ddd). This should be used only if you want to process the compressed data.

ZSUR068I (ddd) MACRF=CNV EXCLUDED DUE TO (##)

Reason:

During execution of an OPEN macro for DDNAME (ddd), BrightStor CA-Compress found that the request was for a data set defined to the Transparency; but it was being opened for MACRF=CNV (control interval processing), and the program name or module name (ttt) had been defined in the SORT exclusion table.

Action:

The OPEN macro for the ACB associated with DDNAME (ddd) has failed with a return code of 8, and an error flag of 152 in the ACB. Exclusion processing does this to induce the program to open the associated data set for record-level rather than control interval processing.

ZSUR069I (ddd) FETCH FOR FDT (fff) FAILED, NOT ON CONTROL FILE RC=(rrr), REASON=(xxx)**Reason:**

During OPEN for DD statement (ddd), BrightStor CA-Compress tried to fetch FDT (fff) from the Control File. The FDT is not on the Control File, or the request failed unexpectedly with return code (rrr) and reason code (xxx). OPEN Processing continues and tries to load the FDT from STEPLIB or the linklist.

Common Return Codes for Unexpected Failures

Code	Meaning
004	Lack of main storage or internal errors in the FDT.
008	VSAM I/O error. The REASON code is RPLFDBK.
014	Not enough storage for the fetch work area.

Action:

If the FDT is not on the Control File, add it from the FDT load library or the Analysis File, as appropriate. Handle VSAM I/O errors as documented for the feedback code. If the file was damaged, make sure that improper GRS or MIM specifications have not compromised serialization. Be sure you have supplied adequate REGION. If the solution is still not evident, contact Customer Support.

ZSUR070I (ddd) (ttt) COMPRESSION NOT SUPPORTED**Reason:**

BrightStor CA-Compress found the data set for DDNAME (ddd) requested (ttt) type compression. That type is not supported by the version of BrightStor CA-Compress currently executing. The valid values for (ttt) are SUPEREXP, HUFFMAN and STANDARD. OPEN processing continues, but the data set for the DD statement is processed in "passthru" mode. No expansion or compression takes place.

Action:

Be sure you are not using a release before 5.2 to process a data set implemented with IBM Hardware Compression.

ZSUR071I (ddd) MATCHED PATTERN (ppp)

Reason:

BrightStor CA-Compress found during OPEN processing that the data set referenced by DDNAME (ddd) matched the pattern (ppp). It will begin to compress and expand all records written to and read from the data set associated with DDNAME (ddd).

Action:

No action required unless the data set should remain uncompressed. In that case, if compression has taken place, unload the data set, ALTER the Control File entry specifying EXCLUDE=YES, and then reload the data set.

ZSUR078A (xxxx) SVC (yyy) UNABLE TO FIND INTERCEPT

Reason:

BrightStor CA-Compress was removing SVC intercepts during termination and found that the address of the intercept did not point to the BrightStor CA-Compress SVC intercept module. This condition should not occur, and indicates an error in BrightStor CA-Compress or another system, which modifies SVC entries. BrightStor CA-Compress does not change the SVC entry or remove the module from storage.

Action:

Contact Customer Support.

ZSUR079I (xxxx) SVC (yyy) INTERCEPT DISABLED ONLY

Reason:

BrightStor CA-Compress was removing SVC intercepts during termination and found that the entry point for SVC (yyy) was not the entry point of the BrightStor CA-Compress SVC intercept. This condition can occur if another system that starts after BrightStor CA-Compress intercepts the same SVC and BrightStor CA-Compress is terminated first. The BrightStor CA-Compress intercept module is not deleted from storage, but it is modified to immediately give control to the routine that it intercepted.

Action:

None.

ZSUR081A (sss) ZSURGDSN I/O ERROR, RC=(rr), FDBK=(ffff), OFFSET=(oooooo)**Reason:**

BrightStor CA-Compress subsystem name (sss) found a VSAM error while accessing the Control File. An error in the Control File caused this condition, most likely the absence of a control record in a non-empty Control File. The VSAM return code (rr), the feedback code (ffff), and the offset into module ZSURGDSN are displayed to describe the nature of the error, and to help Customer Support diagnose the problem.

Action:

Contact Customer Support.

ZSUR082A (sss) (ttt) UNABLE TO LOCATE SSCT**Reason:**

Module (ttt) could not locate the SSCT for the active subsystem (sss).

Action:

Contact Customer Support. This message may indicate an internal error.

ZSUR083A (sss) CONFIRM RESET ON SYSTEM (xxxx)**Reason:**

BrightStor CA-Compress subsystem name (sss) was initializing the Control File and found an active System entry with a time older than two minutes ago for the active system (xxxx).

Action:

Confirm that System (xxxx) is not active using the Control File. Reply "Y" if BrightStor CA-Compress is to use the Control File and continue processing, or "N" if BrightStor CA-Compress is not to use the Control File and is to terminate processing.

ZSUR084A (sss) TOO MANY ACTIVE SYSTEMS

Reason:

BrightStor CA-Compress subsystem name (sss) was initializing the Control File and determined that there were 8 active systems using the Control File and that it was unable to assign an identifier to the current system.

Action:

Use the Control File Maintenance Utility to REPORT on the active systems and determine which, if any, are not used or are not active. Then DELETE the unused or inactive SYSTEM entry and restart the BrightStor CA-Compress Subsystem.

ZSUR085A (sss) (###) FAILED, RC=(rrr)or(sss) (###) ABENDED, SYS=(xxx), USER=(uuuu)

Reason:

The module (ttt) failed during processing by either returning outside of BrightStor CA-Compress subsystem name (sss) termination (format-1) or by abending with system code (xxx) and/or user code (uuuu) (format-2). BrightStor CA-Compress will re-attach the failing program.

Action:

Contact Customer Support. This message may indicate an internal error.

ZSUR086A (sss) ZSURFILE DATA SET INITIALIZATION FAILED

Reason:

BrightStor CA-Compress subsystem name (sss) had opened the ZSURFILE data set and determined that it was empty. BrightStor CA-Compress tried to load a dummy record into the data set but the PUT macro failed. Initialization terminates.

Action:

Be sure the Control File was correctly defined. If the problem persists, contact Customer Support.

ZSUR087I (sss) ZSURFILE DATA SET INITIALIZED**Reason:**

BrightStor CA-Compress subsystem name (sss) had opened the ZSURFILE data set and determined that it was empty. BrightStor CA-Compress loads a dummy record into the data set and continues initialization.

Action:

None.

ZSUR089I (sss) SVC (yyy) ALREADY INTERCEPTED AT (zzzzzzzz)**Reason:**

BrightStor CA-Compress subsystem name (sss) was installing SVC intercepts in preparation for execution, but found that SVC (yyy) had already been intercepted by BrightStor CA-Compress at location (zzzzzzzz). This condition may occur if more than one copy of BrightStor CA-Compress is started. BrightStor CA-Compress does not change the SVC entry to execute the intercept code.

Action:

Run only one copy of BrightStor CA-Compress.

ZSUR090A (sss) DEQ FAILED WITH RC=(rrr)**Reason:**

BrightStor CA-Compress subsystem name (sss) had issued a DEQ macro to release the RESERVE against the ZSURFILE volume. The return code from DEQ was (rrr).

Action:

Create a dump of the BrightStor CA-Compress address space. Contact Customer Support. This message may indicate an internal logic error.

ZSUR091A (sss) MODULE ZSURSVC RESIDENT IN LPALIB

Reason:

When BrightStor CA-Compress subsystem name (sss) loaded the ZSURSVC module, its attributes indicated that it is resident in the SYS1.LPALIB data set. This module must reside in a member of the LINKLIB concatenation, and may not reside in SYS1.LPALIB.

Action:

Remove module ZSURSVC from SYS1.LPALIB and re-IPL with the CLPA parameter.

ZSUR092I (sss) ASID 2 NOT PCAUTH-ABEND MAY OCCUR

Reason:

During initialization, BrightStor CA-Compress subsystem name (sss) determined that the second address space in the system was not for PCAUTH. This can cause problems because BrightStor CA-Compress uses cross-memory and the dual address space feature. Initialization continues. BrightStor CA-Compress does not support MSP or VOS/3.

Action:

On MSP or VOS/3 operating systems, run CA-Compress for MSP or CA-Compress for VOS/3, as appropriate.

ZSUR093I (sss) PARAMETER SPECIFIED WAS INVALID

Reason:

BrightStor CA-Compress subsystem name (sss) was scanning the PARM information specified in the EXEC statement for the BrightStor CA-Compress JCL and found an invalid parameter. Scanning of the parm field terminates but initialization continues. BrightStor CA-Compress may not initialize properly if a needed parameter following the one in error is not processed.

Action:

Make sure that needed maintenance is applied and that all the parm values are spelled correctly.

ZSUR094A (sss) OPEN FOR ZSURFILE FAILED**Reason:**

During initialization, when BrightStor CA-Compress subsystem name (sss) opened the ZSUR Control File, the OPEN macro failed. A message numbered IEC161I probably accompanies this message.

Action:

Make sure that:

- The ZSURFILE DD statement is in the procedure correctly.
- Problems identified by accompanying messages are corrected.
- ZSURFILE is correctly initialized.

ZSUR095A (sss) SQA NOT AVAILABLE FOR SSVT**Reason:**

BrightStor CA-Compress subsystem name (sss) tried to acquire approximately 1K of storage in SQA and was unable to do so.

Action:

Contact your systems programmer for assistance. This message may indicate a need to increase the amount of SQA allocated at IPL time or an error in some other component of the system.

ZSUR096A (sss) UNABLE TO INITIALIZE RECOVERY ENVIRONMENT, RC=yy**Reason:**

BrightStor CA-Compress subsystem name (sss) was started, and was issuing an ESTAE macro to intercept operator CANCEL commands, but the macro returned a non-zero return code.

Action:

Contact Customer Support. This message may indicate an internal error.

ZSUR097A (sss) SUBSYSTEM UNABLE TO FIND INTERFACE MODULE (mmm)

Reason:

BrightStor CA-Compress subsystem name (sss) was started and module (mmm) was loaded, but the control blocks for (mmm) could not be found.

Action:

Contact Customer Support. This message may indicate an internal error.

ZSUR098I (sss) SUBSYSTEM INTERFACE NOT DORMANT

Reason:

BrightStor CA-Compress subsystem name (sss) was started up with a name that was being used by another subsystem.

Action:

Make sure that the same subsystem name defined at install time is being used to start up BrightStor CA-Compress. If the name is right, make sure that the name is not being used by another subsystem, or that another copy of BrightStor CA-Compress is not running. Then issue the command `START ZSAM,SPARM='RESET'`

ZSUR099A (sss) SUBSYSTEM NOT DEFINED TO SYSTEM

Reason:

BrightStor CA-Compress subsystem name (sss) was started up with a name that was not defined at SYSGEN or IPL time. SUBSYS and PST processing will not be supported.

Action:

See the *BrightStor CA-Compress User Guide* for more information about defining the subsystem name.

ZSUR100A "xxxxxxx ??????" INCOMPATIBLE VERSION**Reason:**

Module xxxxxxx, release ????? is incompatible with the releases of the other modules it interacts with. If processing were allowed to continue, unpredictable results would occur. Processing ends with userabend 100.

Action:

Make sure that the started task STEPLIB is correct and that other releases of BrightStor CA-Compress have not been merged into BrightStor CA-Compress production libraries. Verify that modules have been correctly propagated into linklist libraries. Confirm that no linklist libraries contain modules from a previous release of BrightStor CA-Compress. Finally, make sure LLA was REFRESHed after the BrightStor CA-Compress installation process.

ZSUR102A NOT ENOUGH REGION TO UPDATE PATTERN TABLE SHRINK SHOULD BE RESTARTED WITH LARGER REGION**Reason:**

BrightStor CA-Compress was unable to GETMAIN the storage required to read the patterns on the Control File into its internal tables.

Action:

BrightStor CA-Compress continues, but updates of patterns may not be recognized, especially when the Control File is shared among systems. Increase the REGION parameter on the BrightStor CA-Compress startup JCL and restart BrightStor CA-Compress.

ZSUR104I xxxx WAITING BEFORE DELETING MODULES**Reason:**

BrightStor CA-Compress is terminating as a result of the STOP command being issued. Having disabled itself, the started task is waiting for outstanding requests to complete in order to avoid deleting modules while they are still being executed.

Action:

After waiting, the started task completes the termination process normally. Do not cancel the started task during the wait, because interrupting the termination can damage the system and force an IPL.

ZSUR110I xxxx GETMAIN FAILED FOR UPDATE LIST, USING CONTROL FILE I/O

Reason:

A GETMAIN failed for internal table entries, probably due to insufficient REGION, for BrightStor CA-Compress subsystem name xxxx.

Action:

The started task will access the Control File directly instead of using the internal tables. Significant performance degradation and S075 abends are likely, and other errors are possible. Increase the REGION parameter and restart BrightStor CA-Compress as soon as possible.

ZSUR120I (jjj) IGG0CLxx,rrr-ccc CATALOG SVC ERROR RETURN CODE

Reason:

During processing of a request to release VSAM disk storage, BrightStor CA-Compress received an error return code from the catalog SVC. The xx is the two character suffix of the module discovering the error, and the rrr-ccc is the return code. See message IDC3009I in MVS System Product: System Messages published by IBM.

Action:

Follow the action indicated under IDC3009I.

ZSUR121I STORAGE NOT AVAILABLE FOR WORK AREA

Reason:

During processing of a request to release VSAM disk storage, BrightStor CA-Compress could not gain enough main storage for a work area. BrightStor CA-Compress terminates processing of the release request, but continues JOB processing. There is no abend.

Action:

Increase the storage available to the step, or, in the case of SORT, reduce the program's storage requirements.

ZSUR122I (jjj) DYNALLOC FAILED, RC=(rrr), EC=(eeee), IC=(iiii), DSNAME=(ddd)**Reason:**

BrightStor CA-Compress was unable to allocate the data set (ddd), the data or index component name of a VSAM cluster. Job request (jjj) failed with a return code of (rrr), an error code of (eeee) and an information code of (iiii).

Action:

Look up the various codes in the IBM Manual, System Programming Library: Application Development Guide.

ZSUR123I (jjj) SPACE RELEASED FOR DSN=(ddd)(jjj) SPACE NOT RELEASED FOR DSN=(ddd), RC=(rrr)**Reason:**

BrightStor CA-Compress did or did not release space for data set (ddd).

Action:

The return code (rrr) indicates why the release request failed. Return codes 84, 92, 96, and 98 are normal indications that there is no space to release.

Return Codes for ZSUR123I

Return Code	Meaning
4	NO STORAGE FOR WORK AREA
8, 24, 48, 60	NON-ZERO CATALOG RETURN CODE. The catalog SVC (26) returned a non-zero code. Also issued is message ZSUR120, which documents in detail the failure in SVC 26.
12	NON-ICF DATA SET Release of space was tried on a non-ICF data set. Non-ICF catalogs are not supported.
16, 20	For KSDS defined with IMBED, DATA and INDEX extents data in catalog are not identical.
28	CTGFL TEST FAILED TRYING TO UPDATE
32	RDJFCB FAILED TRYING TO RELEASE SPACE FROM DATA SET ON VOLUME WITH NON-INDEXED VTOC
36	OPEN TYPE=J FAILED TRYING TO RELEASE SPACE FROM DATA SET ON VOLUME WITH NON-INDEXED VTOC
40	CTG FLDNO-0 FOR ENTYPE DATA FOR CLUSTER

Return Code	Meaning
44	DATA SET NOT FOUND The data set was not found in the catalog.
52	ENTITY IS NOT A CLUSTER OR ALTERNATE INDEX.
56	DATA OR INDEX NAME NOT FOUND FOR CLUSTER
64	AMDSB IS NOT RETRIEVED
68	RRDS OR KEY RANGE KSDS The data set specified was either a Relative record data set or key ranges were specified when the KSDS was defined. Neither is supported.
72	ENTVOL DATA NOT RETREIVED
76	GETMAIN TO STORE ENTVOL INFORMATION FAILED
80	DATA SET IS EMPTY The data set has a high-used RBA of zero, indicating the data set has not been used. The space can only be released after data has been loaded into the cluster.
84	HI-USED RBA IS GREATER THAN HI-ALLOCATED RBA VSAM space release calculated a high-used RBA based on the current high-used RBA and the percentage specified by the user (default is 10%) and the amount calculated was greater than the amount of space currently allocated. The request is ignored.
88	UNABLE TO FIND LAST PRIME EXTENT
92	HIGH USED RBA GREATER THAN HIGH ALLOCATED RBA
96	NUMBER OF CAs TO KEEP GE NUMBER ALLOCATED Requested space release percentage would retain more space than the data set now occupies.
98	HARBA < HURBA
100	DYNAMIC ALLOCATION FAILED The dynamic allocation for the component name failed. Message ZSUR122I is issued with the return codes from SVC 99.
104	An abend was intercepted by the space release ESTAE environment. Further diagnostic information is supplied by the messages that follow.
108	DYNAMIC ALLOCATION FAILED Message ZSUR122I gives further information.

Return Code	Meaning
112	EXCLUDED BY RLSEIGNR DDNAME The job step had a DD statement (DDname RLSEIGNR), which turns off the step's VSAM space release. For space release, remove the DD statement.
116	CVAF NOT ACTIVE ON SYSTEM SPACE RELEASE REQUIRES CVAF TO PERFORM ITS FUNCTIONS
120	UNABLE TO LOCATE UCB FOR DATA OR INDEX COMPONENT
124	NON-ZERO RETURN CODE FROM A CVAF FUNCTION
128	DEVTYPE MACRO FAILED
132	MORE THAN 12 EXTENTS ON VOLUME Correct update of catalog extents information cannot be assured, so space release is not done.
136	INDETERMINATE ERROR PROCESSING VSAM DATA SET Make sure data set is correctly cataloged and that all volumes are available.

ZSUR124I (jjj) ZSURLSE ESTAE FAILED, RC=(rrr)**Reason:**

During processing of a request to release VSAM disk storage for JOB (jjj), BrightStor CA-Compress was unable to initialize the recovery environment.

Action:

BrightStor CA-Compress terminates processing of the release request, but continues JOB processing. There is no abend. The (rrr) value is the return code from the ESTAE macro.

ZSUR125I (jjj) ZSURRLSE ABEND EC=(eee), SYSTEM=(sss), USER=(uuuu)

Reason:

During processing of a request to release VSAM disk storage, ZSURRLSE abended with either a system (sss) or a user (uuuu) code. Messages ZSUR126I and ZSUR127I are also issued. ZSURRLSE attempts to clean up and terminate normally, after (optionally) taking a dump at the point of error. Processing continues unless a recursive abend occurs, at which point the job is abnormally terminated.

Action:

Unless the abend is clearly not due to a CA-Compress problem, contact Customer Support.

ZSUR126I (jjj) ZSURRLSE EC PSW=1111 2222, IC=(xx), EP=(eee)

Reason:

This message provides the PSW (1111 and 2222), the instruction length code (xx) and the entry point of ZSURRLSE (eee) at the time of abend.

Action:

Use the contents of this message and ZSUR127I to determine the cause of the abend.

ZSUR127I jjj Rx-y r0 r1 r2 r3|r4 r5 r6 r7

Reason:

This message provides the contents of registers 0 through 7 (first occurrence) and registers 8 through 15 (second occurrence) for the abend as described in the prior ZSUR125I message.

Action:

Use the contents of this message and ZSUR127I to determine the cause of the abend.

ZSUR128I PARTIAL UPDATE AT ABEND FOR DATA SET (ddd)**Reason:**

BrightStor CA-Compress had updated the catalog for data set (ddd) and was in the process of updating the VTOC when an abend occurred.

Action:

The data set should be backed up, deleted, redefined and restored before being used again. The catalog and the VTOC no longer agree as to the data set's (ddd) position and size on the volume.

ZSUR129I SPACE RELEASED FOR (ddd)**Reason:**

BrightStor CA-Compress released excess space from data set (ddd) back to the system.

Action:

None. Informational Message.

ZSUR202I (sss) ZSUOPER MODIFY PROCESSING NOW ACTIVE**Reason:**

The MODIFY command processing routines of BrightStor CA-Compress are now available. (sss) is the name of the BrightStor CA-Compress Subsystem displaying the message.

Action:

None.

ZSUR203I (ssss) ZSUOPER MUST REISSUE STOP TO FORCE SHRINK TERMINATION

Reason:

BrightStor CA-Compress subsystem (ssss) termination was requested with a STOP command while compressed data sets were being accessed. Because of the potentially serious data integrity consequences of BrightStor CA-Compress being terminated in this state, BrightStor CA-Compress will not terminate unless the STOP command is reissued within one minute of this message being issued. BrightStor CA-Compress processing continues.

Action:

Use the MODIFY command to determine which compressed data sets are currently being accessed, and the names of the jobs accessing them. Take appropriate action to conclude compressed data set access, and then reissue the STOP command. If necessary, reissue the STOP command immediately to force BrightStor CA-Compress to terminate processing.

ZSUR204I (ssss) ZSUOPER TERMINATION FORCED WHILE ACTIVELY PROCESSING

Reason:

The STOP command was reissued within one minute of receiving message ZSUR203I indicating that BrightStor CA-Compress subsystem (ssss) termination was desired when compressed data sets were currently being accessed. BrightStor CA-Compress processing terminates.

Action:

None.

ZSUR205I (ssss) ZSUOPER MODIFY COMMAND (xxxxxxx) UNKNOWN

Reason:

The MODIFY command (xxxxxxx) issued to BrightStor CA-Compress subsystem (ssss) is an unknown command. BrightStor CA-Compress processing continues.

Action:

Reissue the MODIFY command correctly. If it is correct, be sure needed maintenance is applied.

ZSUR210I (ssss) ZSUOPER ACTIVE SHRINK DATA SETS=(nnnn)**Reason:**

The name of the BrightStor CA-Compress subsystem is (ssss) and the number of compressed data sets currently being accessed is (nnnn).
BrightStor CA-Compress Processing continues.

Action:

None.

ZSUR211I (ssss) ZSUOPER SHRINK PROCESSING DATA SETS: (ddd)**Reason:**

BrightStor CA-Compress subsystem (ssss) is processing a list of data set names for the list of job names that follow this message (ddd). BrightStor CA-Compress lists the data set names and the job names of each compressed data set currently being accessed.

Action:

None.

ZSUR212I ZSUOPER DSN=(ddd)**Reason:**

(ddd) is the name of a compressed data set being accessed.

Action:

None.

ZSUR213I ZSUOPER JOB=(jjj)**Reason:**

(jjj) is the name of the job that is accessing the data set listed in message ZSUR212I that immediately precedes this message. Multiple jobs may be accessing the same data set.

Action:

None.

ZSUR214I ZSUOPER NO ACTIVE SHRINK DATA SETS

Reason:

No compressed data sets were currently being accessed when the MODIFY LIST command was issued.

Action:

None.

ZSUR295I ZSUR295I CA SPLIT FORCED BECAUSE SEQUENCE SET RECORD CANNOT ADDRESS ENTIRE CONTROL AREA

ZSUR295I DATASET SHOULD BE REDEFINED WITH LARGER INDEX CI SIZE TO AVOID BAD PERFORMANCE AND WASTED SPACE

Reason:

Because compressed records are smaller than VSAM expects, the default CI size for the index is too small for sequence set record to address all the CIs in the CA. This causes needless CA splits and wasted space.

Action:

Redefine the dataset, specifying a larger CI size for the index component.

ZSUR296I TRANSPARENCY USER EXIT UNAVAILABLE

Reason:

The Transparency User Exit has been specified in the Control File entry for the data set being opened, but it could not be loaded successfully. A preceding CSV message issued by the failing LOAD macro further explains why. BrightStor CA-Compress turns on tracing for the failing data set, which will show the failing ddname and other information to help you decide what to do.

Action:

Processing continues normally without using the User Exit. Make sure that the User Exit is in your STEPLIB concatenation. If the User Exit should not process this data set, run the Control File Maintenance Utility and specify UEXIT=NO on the ALTER statement.

ZSUR297I EXPANDED RECORD EXCEEDS MAXIMUM RECORD LENGTH FEEDBACK 44 WILL BE FORCED IN MOVE MODE**Reason:**

The expanded record length exceeds the VSAM data set's maximum record length. Perhaps this compressed data set was formerly processed by explicit calls to CA-Compress/2 by the user program, so that the maximum record length only had to handle the largest possible compressed record, but the Transparency must be aware of the original uncompressed length. For Scheduled data sets, which can include uncompressed records, the maximum record length must be defined as though BrightStor CA-Compress were not involved.

Action:

In locate mode, the record address is made available to the user program, and if the entire record is accounted for in the record description, the record will be successfully processed. In move mode, there is no room to put the entire record where the user program expects to find it, so BrightStor CA-Compress fails the GET with RC=8, feedback=44. Redefine the VSAM data set with the maximum record length the VSAM Transparency expects.

ZSUR298A EXPANDED RECORD EXCEEDS BUFFER LENGTH - OVERLAY! FORCING I/O ERROR, OVERLAY MAY CAUSE OTHER ERRORS**Reason:**

The expanded record overflowed the buffer because it exceeds the VSAM data set's maximum record length by over 300. Depending on what was destroyed beyond the buffer, abends and other unpredictable results are possible, including errors processing unrelated data sets. Perhaps this compressed data set was formerly processed by explicit calls to CA-Compress/2 by the user program, so that the maximum record length only had to handle the largest possible compressed record, but the Transparency must be aware of the original uncompressed length. For Scheduled data sets, which can include uncompressed records, the maximum record length must be defined as though BrightStor CA-Compress were not involved.

Action:

BrightStor CA-Compress forces a physical error to make sure that the overflow does not go unnoticed and because the portion of the record beyond the buffer could be destroyed by some other operation. Redefine the VSAM data set with the maximum record length the VSAM Transparency expects.

ZSUR299A DDNAME=xxxxxxx, DSN=(ddd)**Reason:**

A checkbyte mismatch or other base code error occurred on (ddd) referenced by (xxxxxxx) resulting in message SHRxxxI being issued, or the Transparency issued either ZSUR295I, ZSUR297I or ZSUR298A.

Action:

Correct condition described in the preceding message.

ZSUR401I ddname[+concat#] MODIFIED ATTRIBUTES => UNCOMPRESSED**Reason:**

For ddname (+concat# if not the first data set in the concatenation), the data set is defined to PST as compressed, but the Control File entry was marked INHIBITed as a result of a previous error. The probable causes are:

- The data set was recreated when BrightStor CA-Compress was inactive
- The data set was defined to PST as already compressed without compressing it before OPENing it for input
- An uncompressed data set was renamed without informing BrightStor CA-Compress

Action:

Processing continues, treating the data set as uncompressed. If the data set is compressed, OPEN or I/O failures are likely. If the data set is really uncompressed, use the Control File Utility to delete the entry or redefine it as not yet compressed. If the data set is compressed, insure that the Control File entry is correct and not marked INHIBITed, and that the data set was created with the proper attributes.

ZSUR402I <ddname> DATA SET IS OPEN - UNAVAILABLE TO COMPRESS <dsn>**Reason:**

For <ddname>, the data set defined to BrightStor CA-Compress but not yet compressed is being OPENed for output. Ordinarily compression should take place, but the ddname is already OPEN for input with a different DCB.

Action:

Compression will not be attempted for this OPEN request, and any record written will be uncompressed. This is a normal condition with certain programs.

ZSUR403I <ddname> EXTENDING UNCOMPRESSED**Reason:**

Data Definition <ddname>, is defined to BrightStor CA-Compress but not yet compressed. It is being OPENed EXTEND or with DISP=MOD in order to add records to the end of the data set.

Action:

The new records will be added uncompressed.

ZSUR404I INVALID POINT TOKEN**Reason:**

POINT token is not valid. The usual cause is that the user program issued POINT with a token not returned from a previous NOTE. BrightStor CA-Compress does not recognize it. In most cases, this is an acceptable condition and processing continues normally.

Action:

If errors in positioning cause processing problems, contact Customer Support.

ZSUR405I <dsn> INVALID DCB ATTRIBUTES**Reason:**

For dsn, OPEN for input, the DCB attributes of the data set appear invalid. The probable causes are that the data set was defined to PST specifying incorrect DCB attributes to the CFMU, or that the data set is uncompressed although the Control File entry says that it is compressed.

Action:

Processing continues, treating the data set as uncompressed. The Control File entry is marked INHIBITED. If you rerun the job, message ZSUR401I will be issued. Make sure that the data set was created with the correct attributes. Delete its entry from the Control File, and if it should be compressed, re-ADD the entry with the correct attributes.

ZSUR406I <dsn> NOT IN CONTROL FILE

Reason:

The Control File entry for <dsn> found during OPEN was missing or marked EXCLUDE from compression. The Control File entry was deleted or ALTER EXCLUDE=YES was specified while OPEN was in progress.

Action:

The data set is treated as uncompressed. The Control File entry is marked INHIBITED. If this was intended, no further action is required. Otherwise, correct the Control File.

ZSUR407I ddname[+concat#] UNRECOGNIZED UNIT TYPE - NOT SUPPORTED BY BrightStor CA-Compress

Reason:

For ddname (+concat# if not the first data set in the concatenation), one or more data sets were found to be subsystem or SYSIN data sets, or for some other reason the unit type could not be recognized.

Action:

Processing continues without compression or expansion. If ddname is a concatenation, the entire concatenation is excluded from PST processing. I/O errors or other unexpected results are likely if a PST data set was supposed to be compressed or expanded. Change your JCL to avoid using SYSIN or other subsystem data sets, including BrightStor CA-Compress using the SUBSYS JCL parameter, or use the SUBSYS JCL parameter to process the PST data sets.

ZSUR408I ddname[+concat#] OPEN EXCP - NOT SUPPORTED BY BrightStor CA-Compress

Reason:

For ddname (+concat# if not the first data set in the concatenation), the DCB indicates EXCP processing, which is not supported by PST.

Action:

Processing continues without compression or expansion. If this is a concatenation, the entire concatenation is excluded from BrightStor CA-Compress processing. If the user program is a SORT or other program, which will switch to BSAM or QSAM when it recognizes a subsystem data set, adding it to the EXCLUDE-PGM-SORT exclusion table should cure the problem. Otherwise, BrightStor CA-Compress cannot support compression and expansion when processing with this program.

ZSUR409I ddname REPLACING UNCOMPRESSED**Reason:**

ddname is an existing uncompressed data set to be newly compressed as a result of a pattern match. BrightStor CA-Compress was unable to be sure at reallocation time that OPEN would be for output and that compression could begin.

Action:

The data set is replaced with uncompressed data. Compression will begin the next time the data set is OPENed for output (not EXTEND) unless some other condition makes that impossible.

ZSUR410I ddname LRECL TOO BIG => UNCOMPRESSED**Reason:**

For ddname LRECL exceeds 32748 for RECFM=V or 32744 for RECFM=F. BrightStor CA-Compress is unable to add 8 or 12 bytes as appropriate to the compressed LRECL because LRECL may not exceed 32756.

Action:

The data set is not compressed. If LRECL exceeds the possible length of the records, reduce LRECL. Otherwise this data set cannot be compressed.

ZSUR442I ZSURSRTF FRONT-END PROCESSOR UNAVAILABLE - SORT PREPROCESSING NOT PERFORMED**Reason:**

The BrightStor CA-Compress ATTACH intercept tried to invoke preprocessing for SORT or some other program, which might need it. BLDL could not locate the SORT preprocessing module ZSURSRTF.

Action:

Processing continues without preprocessing for the program, and in most cases will be successful. In certain cases, DFSORT can fail with an 0C4 abend, and other errors are possible, especially when concatenating multivolume PST data sets. Make sure that module ZSURSRTF has been copied into your linklist concatenation and that an LLA,REFRESH or IPL was performed after the copy.

ZSUR446I <SVC 64> EXIT LIST ENTRY x 'xx' UNUSABLE

Reason:

If xx is an entry type, the address pointed to by the entry is invalid. If xx is ??, the entry itself is at an invalid address. The most common reason is that the x '80' end of list entry was not provided and BrightStor CA-Compress scanned past the intended end of the exit list.

Action:

If the entry itself is invalid, BrightStor CA-Compress assumes this is the end of the list, and processing should be as expected. If the address in the entry is invalid, BrightStor CA-Compress keeps scanning the list if no JFCB entries have been encountered. If any have been processed, BrightStor CA-Compress assumes that the end of the list has been reached. Contact the application to correct the exit list, because failing to mark the end of the exit list is an error and could lead to unpredictable results.

ZSUR447I ddname <SVC64> PST COULD NOT PROCESS RDJFCB

Reason:

The BrightStor CA-Compress RDJFCB intercept found no JFCB entry in the DCB exit list. If this message is preceded by ZSUR448I, BrightStor CA-Compress stopped before the end of the list at an apparently invalid entry.

Action:

The RDJFCB is performed with no PST processing by BrightStor CA-Compress. If this is an error in BrightStor CA-Compress, failure to do required processing for a PST data set might lead to unpredictable results. Otherwise, correct any error in the application's DCB exit list and contact Customer Support if the problem persists.

ZSUR448I ddname <SVC64> EXIT LIST ENTRY X 'xx' IGNORED**Reason:**

While searching the DCB exit list for JFCB entries (type x'07' or x'13'), the BrightStor CA-Compress RDJFCB intercept encountered an invalid entry. Unless xx is a valid entry type, BrightStor CA-Compress has probably gone beyond the intended end of the list because the application failed to mark the end of the list with x'80'. If xx is '07' or '13', the address is invalid or the ARL points to an invalid area. If xx is greater than x'80' it is the last entry; subtract x'80' for the actual entry type.

Action:

The failing entry and the remainder of the list are ignored. If this message is followed by ZSUR447I, BrightStor CA-Compress has found no JFCB entries (x'07' or x'13') to this point, and this is probably an error in BrightStor CA-Compress. Otherwise, the list was probably intended to end before this point. In that case, processing will almost always be correct, but an apparent JFCB entry beyond the intended end of the list could lead to unpredictable results. Report this condition to Customer Support and the application issuing the RDJFCB macro so that the error causing the message can be corrected.

ZSUR449I jobname <SVCnn> PARAMETER LIST ERROR - BYPASSED, RC=xx**Reason:**

The user program passed to the SVC intercept a parameter list with an invalid address. Abend S0C4 may follow or be trapped by a recovery routine. Serious user errors have been known to raise this condition, including a CLOSE error in IRLM (IBM APAR PN50644), so they should be researched and corrected before suppressing the message.

The return codes and their meanings are as follows:

Return Code	Meaning
04	The parameter list address is invalid. Perhaps R1 was invalid on entry to the SVC, or the x'80' end of list indicator was not set so that Compress tried to verify past the intended end of the list.
08	One of the entries contains an invalid address, probably because of a missing end of list indicator.
12	The address refers to protected storage.
16	The user program probably used register 1 for the DCB or ACB address. The parameter address points to itself.

Action:

Because BrightStor CA-Compress will not process the data set, errors are likely for compressed data sets, but other data sets will be processed as expected. However, if the error occurs on CLOSE, it is likely that the CLOSE never actually completes, which can lead to other errors including C03 abends. To research the failing requestor, add //@PSTD449 DD DUMMY to the job and take an SVC dump. R10 will point to the failing entry, and using IPCS 2.4, you can find the location of the request and have the owner of the failing program correct it. To suppress the message, code //@PSTN449 DD DUMMY. For further assistance, call Technical Support. Be sure to include the SVC number and return code.

ZSUR450A variable text

Reason:

Control blocks have been overlaid, storage was not successfully acquired, or some other abnormal condition occurred while processing a PST data set. The message text explains the problem.

Action:

Processing may continue successfully if the failing function was not required. This should not occur, and results may be unpredictable. Contact Customer Support.

ZSUR451A NCTABLE ALLOCATION ERROR NCTABLE MISSING

Reason:

An internal table to control positioning for a PST data set could not be allocated or was missing.

Action:

Processing may continue successfully, but errors in positioning are likely. If the problem is due to insufficient region, increase the region and re-try the operation. Otherwise, contact Customer Support.

ZSUR453A ddname[+concat#] INVALID DCB EXIT LIST (OPENJ)**Reason:**

JFCB found by BrightStor CA-Compress for PST data set was not valid for ddname, and concat# if not first in the concatenation.

Action:

This is an internal BrightStor CA-Compress error. Contact Customer Support.

ZSUR454A ddname[+concat#] variable text**Reason:**

One of a variety of internal errors occurred during OPEN of the PST data set identified by ddname, and concat# if not first in the concatenation. If the error occurred while accessing the Control File (CF), RC= identifies the return code from the failing function. The actual error may be described by preceding IBM system messages. Abend 013-BC probably results from OPEN option UPDAT, which is not supported for subsystem data sets.

Action:

Correct any conditions described by preceding IBM or BrightStor CA-Compress messages. If your program uses UPDAT, add logic to recognize subsystem data sets or a DCB ABEND exit to enable you to recover and retry the OPEN with options supported for subsystem data sets. If the problem persists, contact Customer Support.

ZSUR455A ddname[+concat#] DYNAMIC INFO RETRIEVAL ERROR**Reason:**

SVC 99 failed for information retrieval on the PST data set identified by ddname, and concat# if not first in the concatenation. This message is preceded by ZSUR469A, which further explains the failure.

Action:

The "Requesting Dynamic Allocation Functions" chapter of System Programming Library: Applications explains the failing error and reason codes. If you are unable to correct the problem, contact Customer Support.

ZSUR456A ddname[+concat#] ASSOCIATED DD ALLOCATION ERROR

Reason:

PST failed to allocate the associated ddname for the PST data set identified by ddname, and concat# if not first in the concatenation. This message is preceded by ZSUR469A, which further explains the failure.

Action:

The "Requesting Dynamic Allocation Functions" chapter of System Programming Library: Applications explains the failing error and reason codes. If you are unable to correct the problem, contact Customer Support.

ZSUR457A ddname[+concat#] USER DD UNALLOCATION ERROR

Reason:

PST failed to unallocate the original user ddname for the PST data set identified by ddname, and concat# if not first in the concatenation. This message is preceded by ZSUR469A, which further explains the failure.

Action:

The "Requesting Dynamic Allocation Functions" chapter of System Programming Library: Applications explains the failing error and reason codes. If you are unable to correct the problem, contact Customer Support.

ZSUR458A ddname[+concat#] SUBSYSTEM DD ALLOCATION ERROR

Reason:

PST failed to allocate the original ddname using the SUBSYS parameter for the PST data set identified by ddname, and concat# if not first in the concatenation. This message is preceded by ZSUR469A, which further explains the failure.

Action:

The "Requesting Dynamic Allocation Functions" chapter of System Programming Library: Applications explains the failing error and reason codes. If you are unable to correct the problem, contact Customer Support.

ZSUR459A ddname[+concat#] DYNAMIC CONCATENATION ERROR**Reason:**

PST failed to reconcatenate reallocated data sets for ddname. concat# is the number of data sets which were to be concatenated. This message is preceded by ZSUR469A, which further explains the failure.

Action:

The "Requesting Dynamic Allocation Functions" chapter of System Programming Library: Applications explains the failing error and reason codes. If you are unable to correct the problem, contact Customer Support.

ZSUR460A ddname[+concat#] SWAREQ(JFCB) RC=xx**Reason:**

SWAREQ was issued to access the JFCB for the PST data set identified by ddname, and concat# if not first in the concatenation. SWAREQ failed with RC=xx. Region is insufficient for the request.

Action:

Insure the REGION parameter is adequate. If problem persists, contact Customer Support.

ZSUR461A INVALID DCB ADDRESS**Reason:**

DCB or ACB address is invalid. Probable user error.

Action:

Insure that user program issued OPEN correctly and did not overlay the OPEN parameter list. Be sure the VL bit is set on the last entry. If the VL bit setting is correct, contact Customer Support.

ZSUR462A GETMAIN FAILED (function) FOR SVC 64 WORKAREA

Reason:

Probably insufficient region, either in RDJFCB or OPEN processing, for a work area to issue SVC 64 (RDJFCB).

Action:

Processing continues without intended modifications and may be successful, but errors are likely. If region is adequate, contact Customer Support.

ZSUR463A STORAGE UNAVAILABLE FOR SWAREQ (function)

Reason:

SWAREQ was issued in the RDJFCB or OBTAIN intercept but failed for lack of region.

Action:

Processing continues with no modifications to the JFCB (if function is RDJFCB) or the Format-1 DSCB returned to OBTAIN (if function is OBTAIN), which may result in further errors. Increase the REGION parameter or reduce the main storage required by SORT in order to make more region available for this and other functions. If problem persists, contact Customer Support.

ZSUR464A GETMAIN FAILED FOR SVC 27 WORKAREA

Reason:

GETMAIN failed for the work area used by the SVC 27 intercept (OBTAIN).

Action:

Processing continues with no modifications to the DCB parameters in the Format-1 DSCB returned to OBTAIN, which may result in further errors. Increase the REGION parameter in order to make more region available for this and other functions. If problem persists, contact Customer Support.

ZSUR465A NO COMPRESS SUPPLIED DCB FOR PS-DSN = dsn**Reason:**

One or more DCB parameters is missing in the Control File record for PST data set dsn.

Action:

Processing continues with no modifications to the DCB parameters in the Format-1 DSCB returned to OBTAIN. Processing should be successful, if the data set is not yet compressed, and the condition will correct itself when the data set is loaded. However, because it is already compressed, if the data set was defined using ANYDATE, errors are likely until it is re-loaded. To correct this condition, use the CFMU ALTER statement to supply any missing or invalid DCB parameters.

ZSUR466A variable text**Reason:**

The ARWORK control block is invalid or the ZSAMD control block cannot be located. This is a serious internal error.

Action:

Contact Customer Support.

ZSUR468A MAJOR ZSAMD NOT FOUND**Reason:**

Unable to find ZSAMD control block. This is a serious internal error.

Action:

Contact customer support.

ZSUR469A SVC-99 * V=vv F=f1_f2 RC=rc_err_rsn EC=xxxx_yyyy**Reason:**

SVC 99 failed. This message accompanies and explains some other message from BrightStor CA-Compress reporting a failure in an SVC 99 function. The IBM field name for each variable follows:

SVC99 Field Names and Their Descriptions

Field Name	Description
vv (S99VERB)	Verb code
f1 (S99FLG11)	Flag byte
f2 (S99FLG21)	Flag byte
rc	Return code in R15
err (S99ERROR)	Error code
rsn (S99INFO)	Reason code
EC=xxxx_yyyy	Information retrieval codes (if present)

Action:

Respond as indicated for the values returned by SVC 99. If the reason for the failure is still unclear, contact Customer Support.

ZSURX Prefix Messages

ZSURX prefix messages are generated by the Safeguards Batch utility.

ZSURX00I PARM NOT RECOGNIZED**Reason:**

The PARM on the execute statement was neither "ON" nor "OFF."

Action:

Correct the parameter and resubmit.

ZSURX01I (ddd) DIDN'T OPEN**Reason:**

The DD statement for DD name (ddd) was missing.

Action:

If the DD name was SYSIN, correct it and resubmit the job. If the DD was specified in the JCL, correct it and resubmit the job.

ZSURX03I NO PATTERN MATCHES DATA SET: (ddd)**Reason:**

The data set name (ddd) from the VSAMFILE data set did not match any of the specified patterns. The data set is not processed.

Action:

Correct data set name (ddd) and resubmit.

ZSURX04I DATA SET NOT CATALOGED. DSNAME=(ddd)**Reason:**

The data set name (ddd) was to be processed by utility, but was not found in the catalog. The data set is not processed.

Action:

Correct data set name (ddd) and resubmit.

ZSURX05I SAFEGUARDS SUCCESSFULLY ADDED TO: (ddd)**Reason:**

The data set (ddd) did not have one or more Safeguards and the utility added them.

Action:

None.

ZSURX06I SAFEGUARDS NOT SUCCESSFULLY ADDED TO: (ddd)

Reason:

The data set (ddd) did not have one or more Safeguards and the utility tried to add them, but was not successful.

Action:

Correct data set name (ddd) and resubmit.

ZSURX07I SAFEGUARDS SUCCESSFULLY REMOVED FROM: (ddd)

Reason:

The data set (ddd) had one or more Safeguards and the utility was able to remove them.

Action:

None.

ZSURX08I SAFEGUARDS NOT SUCCESSFULLY REMOVED FROM: (ddd)

Reason:

The data set (ddd) had one or more Safeguards and the utility tried to remove them, but was not successful.

Action: Correct the data set and resubmit.

ZSURX09I SAFEGUARDS ALREADY EXIST ON: (ddd)

Reason:

The utility was to add Safeguards to data set (ddd), but they were already in place.

Action:

None.

ZSURX10I SAFEGUARDS ALREADY REMOVED FROM: (ddd)**Reason:**

The utility was to remove Safeguards from data set (ddd), but there were none to remove.

Action:

None.

ZSURX11I NOT A VSAM DATA SET: (ddd)**Reason:**

Data set (ddd) was not a VSAM cluster and so ineligible for Safeguards.

Action:

None.

ZSV Prefix Messages

ZSV prefix messages are generated by Safeguards.

ZSV001I ZSVC IS MARKED DISABLED**Reason:**

ZSVC001 has detected that it was marked disabled by diagnostic routines. Processing by Safeguards is bypassed. Processing continues with the original request.

Action:

Terminate and restart BrightStor CA-Compress to activate Safeguards again.

ZSV002I ALL ZSVC FUNCTIONS DISABLED FOR THIS REQUEST

Reason:

See message ZSV001I.

Action:

None.

ZSV003I REQUESTOR IS EXEMPT FROM ZSVC PROCESSING

Reason:

ZSVC001 detected that a request for catalog management processing was made by a program that was defined by the user as exempt from Safeguards processing. Safeguards processing is bypassed for this request.

Action:

None.

ZSV004I CTGFL BUILD AREA NOT LARGE ENOUGH - CALL CUSTOMER SUPPORT

Reason:

An internal routine detected a "should not occur" condition. Safeguards processing for this request is bypassed.

Action:

Notify the appropriate support personnel, and contact Customer Support.

ZSV005I SHRINK SAFEGUARDS VOLUME SEARCH VSAM ERROR DETECTED**Reason:**

An error was detected in the search routines of Safeguards while looking for @ZSAM@ volume records. Safeguards processing for this request is bypassed. Message ZSV006I follows.

Action:

If message ZSV006I reports return code 8 and reason code 42, the Safeguards volume is missing, usually because the data set was archived, in which case this message is harmless. For other error codes, notify the appropriate support personnel. Contact Customer Support with the information from message ZSV006I.

ZSV006I RETURN CODE=(nn), REASON=(nn), DSN=(sss)**Reason:**

This information is provided for certain Safeguards messages.

Action:

For return code 8, reason 42, no action is required if received after message ZSV005I, otherwise, note the relevant information and forward it to the appropriate support personnel. The Return Code and Reason Code description can be found in the IBM message manual under message IDC3009I. Other messages, which describe the activity being performed by BrightStor CA-Compress and the data set being accessed, will accompany this message.

ZSV008I SHRINK SAFEGUARDS ADDED**Reason:**

Safeguards has detected that a BrightStor CA-Compress data set did not contain the required information and is in the process of adding it. Processing is undertaken to add Safeguards information to the catalog records of the data set (ddd).

Action:

None.

ZSV009I CMS ERROR OCCURRED DURING ADDITION OF SHRINK SAFEGUARDS, ADDITION BYPASSED

Reason:

BrightStor CA-Compress detected a CMS error when it was trying to add Safeguards information to the catalog entries of the data set described in message ZSV008I, which precedes this message. Processing of the original CMS request continues.

Action:

Inform the appropriate support personnel. Determine if there is a reason for the return codes provided with this message by ZSV006I. If no apparent reason for the failure is found, contact Customer Support.

ZSV017I CMS ERROR OCCURRED DURING ADDITION OF SHRINK SAFEGUARDS LOCATE-ALTER ATTEMPTED

Reason:

BrightStor CA-Compress has received an error indication from Catalog Management while trying to locate information about a data set. Processing of the original Catalog Management Request continues normally.

Action:

None.

ZSV100I CATALOG MANAGEMENT ADDRESS NOT AVAILABLE

Reason:

Safeguards cannot find the original Catalog Management Address. Processing control is returned to the caller of Catalog Management services with a return code of 999.

Action:

Restart BrightStor CA-Compress as soon as possible. Contact Customer Support.

ZSV101A GETMAIN FAILED FOR WORKAREA**Reason:**

BrightStor CA-Compress was unable to GETMAIN a workarea for Safeguards processing. The function is passed unchanged to Catalog Management.

Action:

The function may well be handled correctly. To relieve the problem, the address space experiencing the failure must free some storage so that Subpool 230 can provide enough free storage for a work area. You may need to increase the REGION parameter for this job step. There is no need to restart BrightStor CA-Compress.

ZSV201I DIAGNOSTIC MESSAGES CANNOT BE ISSUED BECAUSE I/O ROUTINE COULD NOT BE LOADED**Reason:**

Diagnostics were requested and the I/O routine that prints out the messages could not be found or loaded. Diagnostics are bypassed.

Action:

If diagnostics are needed to correct this problem, contact Customer Support.

ZSV202I IC=(nnn), TRAN=,**Reason:**

This message is printed by the ESTAE exit. It accompanies message ZSV208I.

Action:

None.

ZSV203I ESTAE EXIT ENTERED, SYSTEM CODE=(sss), USER CODE=(uuu)

Reason:

An exception condition occurred during processing of Catalog Management requests by Safeguards. The ESTAE exit has been entered in an attempt to isolate the effects of the abnormal condition. The actual error is indicated by the abend code. Processing will continue if possible. Additional messages are issued as appropriate.

Action:

If the error conditions persist, try to discover what job is causing the failures and contact the appropriate support personnel. If you do not find the cause but find severe impact on the system, restart the started task with PARM='NOGUARD' and contact Customer Support.

ZSV204I ENTRY POINT=(nnn)

Reason:

This message is printed by the ESTAE exit.

Action:

None.

ZSV205I SDWA COULD NOT BE OBTAINED - NO FURTHER INFORMATION AVAILABLE

Reason:

This message is printed by the ESTAE exit when an SDWA is not available. ESTAE processing continues.

Action:

None.

ZSV206I EC PSW AT TIME OF ABEND=(nnn)

Reason:

This message is printed by the ESTAE exit.

Action:

None.

ZSV207I ENTRY POINT=(nnn)**Reason:**

This message is printed by the ESTAE exit.

Action:

None.

ZSV208I GENERAL PURPOSE REGISTERS AT TIME OF ABEND:**Reason:**

This message is printed by the ESTAE exit. The GPRs follow it.

Action:

None.

ZSV209I DUMP ADDRESSES REQUESTED:**Reason:**

This message is printed by the ESTAE exit, and is followed by the addresses to be dumped.

Action:

None.

ZSV210I ERROR RECOVERY TO BE ATTEMPTED, ADDRESS=(nnn), FUNCTION=(sss)**Reason:**

The ESTAE exit has determined that it could isolate the routine that caused the error and is trying to recover.

Action:

None.

ZSV211I CRITICAL ZSVC ERROR DURING POST PROCESSING - RETURNING CONTROL TO INVOKER OF SVC 26

Reason:

The ESTAE exit was unable to recover from an error condition during Safeguards post processing of a successful catalog management request. Control is returned immediately to the caller of SVC 26. Processing by the application program can continue normally or may fail.

Action:

Monitor the job requesting the Catalog Management service to make sure that processing proceeds normally. If it does not, contact the appropriate support personnel. If the application program fails, try to determine the cause of the failure from other messages issued by the system. If you cannot determine the cause of the failure, contact Customer Support.

ZSV212I CRITICAL ZSVC ERROR DURING PRE-CMS PROCESSING - PASSING CONTROL TO CATALOG MANAGEMENT

Reason:

The ESTAE exit was unable to recover from an error condition during Safeguards preprocessing. Control is passed to Catalog Management. Catalog Management should be able to process the request properly for the application program. Processing by the application program can proceed normally or may fail.

Action:

Monitor the job requesting the Catalog Management service to make sure that processing proceeds normally. If it does not, contact the appropriate support personnel. If the application program fails, try to determine the cause from other messages issued by the system. Even when there seems to be no harm done, there may be an error in BrightStor CA-Compress, so if you cannot determine the cause of the failure, contact Customer Support.

Contacting Technical Support

You can contact us with any questions or problems you have. For technical support, visit the website: <http://esupport.ca.com>.

