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Message Manual

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Table of Contents

Preface **v**

General Information v

Chapter 1. Message Descriptions **1**

Chapter 2. Dynamic Interface Manager **379**

Chapter 3. Program Event Tracing **387**

Chapter 4. System Abend Codes **391**

Chapter 5. User Abend Codes **393**

Appendix A. Common Return Codes **395**

Allocate Error Codes 395
Catalog Management Return Codes 396
Scratch Return Codes 397
SAMS:Disk EXCP Access Method Return Codes 398
Dynamic Allocate Return Codes 399
Dynamic Allocate Error Reason Codes 400
ISAM EXCD1 Byte Explanations 401
Obtain Return Codes 402
User-specified Condition Codes 403

List of Tables

Table 1-1. Return Code Definitions for M3790 367
Table 4-1. System Abend Codes 391
Table 5-1. User Abend Codes 393
Table A-1. Allocation Error codes 395
Table A-2. Catalog Management Return Codes 396
Table A-3. Scratch Return Codes 397
Table A-4. EXCP Access Method Return Codes 398
Table A-5. Dynamic Allocation Return Codes 399
Table A-6. Dynamic Allocation Error Reason Codes 400
Table A-7. ISAM EXCD1 Byte Explanations 401
Table A-8. Obtain Return Codes 402
Table A-9. User-specified Condition Codes 403

Preface

General Information

This document provides a detailed description of conditions which cause messages to be printed by SAMS:Disk modules. A narrative explanation is included below each message identifier line.

The identifier line which precedes the explanation is segmented into two parts. The first segment is the 4- or 6-character message identifier, followed by the text of the message.

The text of each message generated by SAMS:Disk may contain variable values. These values contain information that will be useful in determining the exact cause of the problem or situation. The message texts shown in this manual show these variable fields as one repetitive character. To provide uniqueness, when more than one variable is contained in a message, different characters are used. These symbols are then referenced in the message description to indicate what variable data items are being discussed. Any extra spaces contained in a variable data item are removed prior to the message being printed.

This manual is divided into the following chapters:

Chapter 1
Contains the messages for traditional SAMS:Disk processing. The message identifiers are 4-characters in length.

Chapter 2
Contains the messages issued by the Test Auto-Restore Interface. The message identifiers are 4-characters in length, the first three characters being DIM.

Chapter 3
Contains the messages issued by PET. The message identifiers are 3-characters in length, the first three characters being either MTF (Module Trace Facility) or PET (Program Event Tracing).

Chapter 4
Contains System ABEND CODES.

Chapter 5
Contains User ABEND CODES.

Appendix A
Contains Common RETURN CODES.

Chapter 1. Message Descriptions

0001 **(ddd) ARCHIVED AS (ddd) FROM (vvv)**

Explanation: The data set having the first data set name was archived from the specified volume(s) and was given a new name of the second data set name. The archived data set is entered in the DSNINDEX under the second data set name.

0003 **NO DD STATEMENT FOUND FOR VOLUME (vvv)**

Explanation: A SAMS:Disk module requiring a DD statement in order to perform an operation on the specified volume was unable to complete its function. The run must be resubmitted with the appropriate DD statement for the request to be performed successfully.

0007 **(ddd) NOT ALLOCATED, POOL (ccc) NOT DEFINED**

Explanation: SAMS:Disk could not allocate data set (ddd) because the DASD pool name (ccc) was not defined to SAMS:Disk. The DASD pool name (ccc) was passed to SAMS:Disk through a command parameter or through PARMLIB member DASDPOOL.

If the DASD pool name is blanks, SAMS:Disk tried to allocate to, but was unable to find, a default DASD pool specified in PARMLIB member DASDPOOL. In this situation, SAMS:Disk tried to allocate to the default DASD pool because all other eligible volumes were disqualified (that is, not enough space on the volume).

0008 **(ddd) NOT PLACED IN RESTORE QUEUE: NO INDEX RECORD**

Explanation: An archive index record could not be found for the specified data set name. The request to place the name in the queue of data sets to be restored was therefore bypassed.

Verify that the data set name was spelled correctly and resubmit the deferred restore request.

0009 ****WARNING** (ddd) TO BE ALLOCATED ON (vvv) HAS BLKSIZE = (xxx) GT TRKSIZE = (ttt): DATA MAY NOT LOAD**

Explanation: The data set will be allocated on the indicated volume, but because the blocksize in the format-1 DSCB of the data set is greater than track capacity of the device, the data may not be loaded. This message may appear more than once if the data set needs to be scratched before doing the allocation.

0011 **(ddd) NOT RESTORED: ARCHIVE CONTROL RECORD MISSING**

Explanation: After the tape was positioned with the BSAM CNTRL macro, it was determined that the archive control record did not begin the first physical block which the archived data set was supposed to occupy. This condition may be the result of a tape unit positioning error, or because another data set with the same name was created on the tape. If a tape drive failure is suspected, the restore run should be resubmitted.

0012 **(ddd) NOT RESTORED: ARCHIVE FORMAT-1 DSCB MISSING**

Explanation: The format-1 DSCB was not found after the archive control record was retrieved from the archive tape. Report this condition to the SAMS:Disk Technical Support Center.

0013 **(ddd) NOT RESTORED: ALLOCATED TO ANOTHER TASK**

Explanation: The data set was not restored because an exclusive enqueue for the data set was attempted and failed.

0014 ****WARNING** (ddd) IS CURRENTLY CATALOGED TO VOL=(vvv) WHICH IS A NON-DASD DEVICE TYPE OF (xx)**

Explanation: The catalog entry for the named data set (ddd) was retrieved in order to find a volume to which the data should be restored. The catalog entry contained a device type code for the volume which is non-DASD and hence cannot be used for the restore. The restore continued, selecting either the original volume or a volume from a specified DASD pool to be used.

0015 **(ddd) NOT CATALOGED TO (vvv), RETURN CODE (xxx)**

Explanation: The attempt to catalog the restored data set to the specified volume failed. The CATALOG macro return code is displayed in hexadecimal and is explained in the Hitachi Data Management Systems Programming Library manual.

0016 **(ddd) NOT RECATALOGED FROM (vvv) TO (vvv) RETURN CODE (xxx)**

Explanation: SAMS:Disk attempted to recatalog a data set for the reason given in the preceding message. The attempt to recatalog the volume failed with the displayed CATALOG macro return code. Refer to the Hitachi Data Management Systems Programming Library manual for an explanation of the return codes.

0017 **(ddd) NOT RESTORED TO POOL (ppp): ALLOCATION FAILED**

Explanation: No volume in the named pool could be found upon which to allocate the data set for restore processing. This message is usually preceded by one or more messages issued by module ADSDM102 when it fails in allocating to specific volumes in trying to request this service.

0022 **(ddd) NOT UNCATALOGED: RETURN CODE (xxx)**

Explanation: The attempt to uncatalog the data set failed. The return code for the CATALOG macro is displayed in hexadecimal format. An explanation of the return code may be found in the Hitachi Data Management System Programming Library manual.

0023 **(ddd) ON (vvv): CATALOG CONFLICT**

Explanation: The system catalog entry for the data set found on the designated volume has a different volume. This copy is regarded as a disconnected data set.

0024 **GETMAIN FAILED: REQUESTED (xxx)**

Explanation: Execution is terminated when a request for subpool zero memory failed. The number of bytes requested is displayed as four hexadecimal digits. The region size must be increased before resubmitting the job.

0026 **(ddd) NOT UNCATALOGED: CATALOG VOLUME (vvv)**

Explanation: The specified disposition of UNCATALOG was not taken for the data set because the system catalog entry for the data set name contained a volume different from that of the data set for which disposition is in progress.

0027 **USER EXIT MODULE (mmm) RETURNED INVALID CODE OF (xxx)**

Explanation: An invalid return code was passed by the designated user exit module after it was invoked. An abnormal termination with a dump is initiated.

0028 **SYSTEM LEVEL RETENTION CONTROL SPECIFIED: NO ENTRY FOUND IN (ttt) TABLE FOR SYSTEM CONTROL**

Explanation: The RETAIN command contained the system parameter but no entry was found in the designated RETVOLSPEC table with (xxxxxx) in the volume portion of the table entry.

0030 **SIMULATION MODE SPECIFIED**

Explanation: This message appears when the SIMULATE keyword has been included in the command being executed. It is printed as assurance that no data set or catalog action will be taken.

0031 **RETENTION TYPE (xxx) INVALID FOR VOLUME (vvv)**

Explanation: An entry in the RETVOLSPEC table, used for retention control, has an error. The retention control type field in an entry for volume (vvv) is not valid. There is no type of (xxx).

See *Chapter 5, BACKUP/ARCHIVE,* beginning on page 165 in the *User's Guide* for valid retention control type codes. Correct the entry and resubmit the job.

0035 **(ddd) ON (vvv) NOT ARCHIVED - DATA SET IS ALLOCATED TO ANOTHER TASK**

Explanation: SAMS:Disk attempted to get a shared or an exclusive enqueue on the data set indicated (shared for a backup, exclusive for an archive). The attempt failed. This means that some other task already had the data set enqueued upon (exclusive for a backup, shared or exclusive for an archive). The data set is not backed up or archived.

SAMS:Disk continues on with the next data set. Wait until the data set is not in use and retry the backup or archive.

0036 **(ddd) ON (vvv) NOT ARCHIVED - BLKSIZE ZERO**

Explanation: Archive processing encountered a data set with a zero blocksize, and sysparm ARCBLKSIn specified. The data set was bypassed because ARCBLKSIn indicates that SAMS:Disk should bypass processing for data sets with zero blocksize.

0037 **DSN ON VOLUME NOT ARCHIVED - MARKED UNMOVABLE**

Explanation: The data set has been marked unmovable. Check the system parameter UNMOVEARN for processing of unmovable data sets. SAMS:Disk does not support the movement of truly unmovable data sets.

0038 **(ddd) ON (vvv) NOT ARCHIVED: DSORG (xxx) IS AN INVALID DATA SET ORGANIZATION FOR DMS PROCESSING**

Explanation: SAMS:Disk processes data sets based on their organization. In this case SAMS:Disk cannot determine how the data set is organized and thus cannot process it. If the DSORG field (xxx) contains “0000", the data set has probably been allocated but never opened for output and contains no data. To archive this type of data set as if it were DSORG=PS, specify sysparm ARCDSORGY as well as ARCMODELY.

(xxx) is the hexadecimal DSORG value for the data set. To determine the character DSORG value, see the Hitachi Data Areas manual in the section on format-1 DSCBs.

0040 **(rrr) REPORT FOR (ddd): VOLUME (vvv) NOT AVAILABLE**

Explanation: The requested report for the individual data set cannot be produced because the volume on which the data set resides is not online.

0041 **(rrr) REPORT: (ddd) NOT FOUND**

Explanation: The requested report for the individual data set cannot be produced because the volume on which the data set is supposed to reside does not contain the format-1 DSCB.

0042 **(rrr) REPORT: (ddd) NOT CATALOGED**

Explanation: The requested report for the individual data set cannot be produced because the data set name which was entered without the VOLUME parameter is not in the system catalog.

0044 **THE FILES DATA SET IS FULL: UNLOAD, INCREASE THE SPACE ALLOCATION, AND RELOAD ALL ENTRIES FROM THE FILES**

Explanation: An attempt was made to add an entry to one of the logical files in the files data set. However, the block pointed to by the index was full and insufficient DASD space was available for the required block split.

0045 **INVALID FILE NAME PASSED TO FILE HANDLER: (fff)**

Explanation: The displayed character field passed to the common file handler interface as a file name did not match any of the entries in the internal control table constructed from the FILEDEFN table at the time of the last file initialization or reorganization.

0046 **INVALID FUNCTION PASSED TO FILE HANDLER: (fff)**

Explanation: The displayed two-character field passed to the file handler interface as a function code was invalid. The set of valid codes is documented in Chapter 1 of the Systems Guide.

0048 **RETPD FOUND IN TABLE NAME (ttt) IS NOT NUMERIC, VALUE 30 ASSUMED. ENTRY IN ERROR IS (eee)**

Explanation: The table name (ttt) has an entry in it that is invalid. The (eee) is the invalid entry. Correct the entry and resubmit the job.

0049 **INSUFFICIENT BUFFER SIZE FOR (ttt) TABLE: INCREASE THE VALUE OF SYSPARM (ssssssss) AND RESUBMIT**

Explanation: Either the default value or the previously specified sysparm memory value for the designated table did not provide enough memory for the number of entries in the PARMLIB data set. Respecify the sysparm with a larger value.

0051 **UNLOAD OF SELECTED FILE(S) SUCCESSFULLY COMPLETED**

Explanation: Upon completion of writing to a sequential data set all files explicitly designated by the FILE parameter, this message is issued.

0052 **FILE (fff) NOT PRESENT IN FILES DATA SET**

Explanation: The eight-character field was not found in the internal files data set control block containing all valid file names.

0053 **ALL FILES SUCCESSFULLY UNLOADED**

Explanation: This message is issued after all logical files contained in the files data set have been unloaded successfully to a sequential data set.

0054 **SUBFILE (fff) BYPASSED DURING RELOAD**

Explanation: The indicated subfile was encountered during a files data set reload execution but was bypassed either because of a reason explained in a previous message or because it was not included in the list specified with the FILES parameter.

0055 **TEMPORARY RESTRICTION IN EFFECT FOR (ccc)**

Explanation: The designated function, which is documented in the SAMS:Disk User's Guide, is currently not available.

0056 **END-OF-FILE RECORD NOT IN LAST BLOCK OF FILE (fff)**

Explanation: The file handler did not find the expected internally generated end-of-file record in the last block of the designated logical file. The file should be reorganized with the REORG procedure documented in Section 1, Files Data Set Management, in the Systems Guide.

0057 **(nnn) RECORDS UNLOADED FROM FILE (fff)**

Explanation: The number of records counted during the UNLOAD of the designated file is displayed at the time the end-of-file record is encountered.

0059 **CHAIN FIELD OF ZERO ENCOUNTERED BEFORE EOF FOR FILE c8**

Explanation: During unload processing of a logical file in the files data set, a zero chain field was encountered before an internal end-of-file record was found. Consult Section 1, Files Data Set Management, in the Systems Guide for instructions concerning the REORG procedure for the files data set.

0060 **DATA BLOCK ENCOUNTERED WITH NO RECORDS FOR FILE (fff)**

Explanation: An invalid condition was encountered where a data block for the indicated file contained no records. The files data set needs reorganization. Follow the REORG procedure documented in Section 1, Files Data Set Management, in the Systems Guide.

0061 **(ddd) NOT SCRATCHED FROM (vvv) TYPE (ttt): ALLOCATED**

Explanation: The data set could not be scratched during retention control processing because it was determined to be allocated to another task.

0062 **(nnn) RECORDS RELOADED TO FILE (fff)**

Explanation: The designated number of records were successfully loaded to the specified logical file in the files data set.

0063 **(ddd) ON (vvv) IS DISCONNECTED FROM THE CATALOG: THE CURRENT CATALOG ENTRY FOR THIS DATA SET POINTS TO (www): THE UNCAT/RECATALOG ACTION WAS SUPPRESSED**

Explanation: The data set was not uncataloged or recataloged as requested because the volume in the system catalog was not the same as that on which the data set was found.

0068 **(ddd) NOT RESTORED: TIMEDATE PARAMETER (ttt) INVALID**

Explanation: The data set could not be restored because the nine-character field entered as the value of the TIMEDATE parameter did not match the corresponding value for any index entry for the specified data set.

0070 **(ddd) NOT MIGRATED FROM (vvv): DCB ABEND WORD (xxx)**

Explanation: A DCB abend exit was entered in the attempt to migrate the specified sequential data set from DASD to tape. Displayed in hexadecimal format are the first four bytes of the DCB abend parameter area (GPR 1 PTR).

0071 **(nnn) DATA SETS MIGRATED TO TAPE**

Explanation: Upon completion of a sequential data set migration run, the total number of data sets successfully moved from DASD to tape is displayed.

0072 **(ddd) NOT MIGRATED FROM (vvv): ALLOCATED**

Explanation: The data set selected could not be migrated because it was allocated to another task.

0073 **(ddd) NOT MIGRATED FROM (vvv): DSORG NOT PS**

Explanation: The explicitly designated data set was rejected for migration from DASD to tape because it did not have physical sequential data set organization.

0074 **(ddd) NOT MIGRATED: NO VOLUME SERIAL**

Explanation: The data set explicitly designated for sequential migration from DASD to tape could not be moved because it was not cataloged and no VOLUME parameter was supplied.

0075 **(ddd) NOT MIGRATED FROM (vvv): DEVICE UNAVAILABLE**

Explanation: The data set could not be migrated because the volume on which the data set resides is not online.

0076 **(ddd) NOT MIGRATED FROM (vvv): DATA SET NOT FOUND**

Explanation: The data set could not be migrated because the format-1 DSCB was not present on the indicated volume.

0077 **(ddd)v NOT RESTORED: NO INDEX RECORD (ttdd), SYSPARM ARBACKUP=x**

Explanation: No archive index record can be found for the named data set. The data set cannot be restored. If an appended version number (v) is present, it may be in error (the -v copy is not in the index). If a TIMEDATE value (ttdd) is present, an index record with this exact time and date was not found.

The data set with the name specified does not exist in the SAMS:Disk archives. The SAMS:Disk LISTD function can be used to determine the data sets in the archives. Verify the data set has been previously archived.

0079 **DATA BLOCK CHAIN ERROR DETECTED IN (fff) FILE**

Explanation: SAMS:Disk has found an invalid block pointer in the files data set. If this is not the last block in the file, the relative block address pointer to the next block in the file is zero. If this is the last block in the file, the relative block address pointer to the next block is not zero. The control block for the file indicates the number of blocks in the file. It may also be incorrect.

SAMS:Disk files data set reorganization will correct this problem. No data loss has occurred. Reorganize the files data set and rerun the affected function.

0081 **(ddd) ARCHIVED AT (xxx) ON (aaa) DELETED**

Explanation: The data set which was archived at the specified TIME and DATE has been deleted from the DSNINDEX file.

0082 **FILE HANDLER PROBLEM WITH (cc) FUNCTION FOR (fff) FILE**

Explanation: SAMS:Disk attempted to process the (fff) subfile of the files data set, but received a return code of (cc), and processing has been terminated. Turn to page 30 of the *Systems Guide* for information on checking the status of your files data set and correcting errors via the unload/reload utilities.

0083 **(ddd) ARCHIVED AT (xxx) ON (eee) EXPDT CHANGE FROM (aaa) TO (bbb)**

Explanation: The expiration date for the data set which had been archived at the specified TIME and DATE has been changed as indicated.

0084 **ARCHIVE VOLUME RECORD (vvv) SCRATCHED**

Explanation: The record with the indicated volume has been scratched from the ARCHVOLS file as a result of the SCRATCH parameter on the RESET command.

0085 **ARCHVOLS RECORD FOR (vvv) SUCCESSFULLY CREATED**

Explanation: An ARCHVOLS record with the designated volume has been successfully inserted by use of the ASSIGN command.

0086 **NO DATA SET INDEX RECORD FOUND FOR (ddd)**

Explanation: An attempt to either delete or change the expiration date in an index record failed because no record was found in the DSNINDEX file with the specified key.

0087 **(vvv) CANNOT BE ASSIGNED AS AN ARCHIVE VOLUME: IN USE**

Explanation: A record already exists in the ARCHVOLS file as either a primary or copy record with the specified volume.

0088 **DCB BLOCKSIZE PARAMETER MISSING FOR ARCHIVE0 DD STATEMENT**

Explanation: The physical blocksize for the archive tape data set must be supplied in the ARCHIVE0 DD statement before archive processing can be executed.

0089 **(ddd) ON (vvv) NOT IN SYSTEM CATALOG**

Explanation: The relative generation number of the specified data set cannot be determined because no entry is present in the system catalog.

0090 **(ddd) EXPDT (eee) MIGRATED FROM (vvv) TO (vvv): FILE SEQ NO (xxx) (fff)**

Explanation: The data set was successfully migrated from the DASD volume to the tape volume and file number with the indicated disposition.

0092 **NO ARCHIVE VOLUME RECORD FOUND FOR VOLUME (vvv)**

Explanation: No record is present in the ARCHVOLS logical file with the indicated volume.

0093 **ARCHIVE VOLUME (vvv) HAS BEEN (ccc) COPY VOLUME IS (vvv)**

Explanation: A SAMS:Disk RESET command has been entered to change the status or data pertaining to archive volume (vvv). This message indicates the request has been processed successfully. (ccc) is the action performed against the archive volume record. If more than one action was specified, only the last action specified is noted in the message. (vvv) is the copy volume assigned to the archive volume being changed.

Following are descriptions for the (ccc) value:

UNCHANGED - The user did not specify any action to be taken against the archive volume record. It remains unchanged.

DISABLED - The archive volume has been marked disabled. It is no longer available for restoring data sets. If a copy volume is associated with it, it will be used for subsequent restores. This is usually done when the volume becomes unreadable or unavailable.

ENABLED - The volume has been marked ENABLED (it is no longer DISABLED).

CHANGED - The volume serial to be used as a copy tape for this archived volume has been changed to (ccc).

0094 **(ddd) MIGRATED FROM (vvv) CONTAINED NO RECORDS**

Explanation: The data set found on the specified volume contained no data and was migrated as an empty data set.

0095 **(ddd) NOT RECATALOGED TO (vvv) DEVTYPE (xxx); RETURN CODE x2**

Explanation: The migrated data set could not be recataloged to the indicated volume and device type. The CATALOG macro return code is displayed as two hexadecimal characters and is explained in the Hitachi Data Management System Programming Library Manual.

0097 **(ddd) NOT RESTORED - ARCHIVE KEY (vvv) COULD NOT BE USED, AND NO COPY EXISTS**

Explanation: No archive is available to perform the restore/recover of the data set (ddd). This is caused by the ARCHVOLS record (vvv) for the data set either being disabled, and either no copy archive exists or the copy archive is disabled, or sysparm RESCOPYT is set to cause use of copy archives, and either no copy archive exists or the copy archive is disabled.

0098 **(ddd) NOT RESTORED: OPEN ERROR ON ARCHIVE VOLUME**

Explanation: SAMS:Disk did not restore the data set (ddd) because when it attempted to open the data set on the archive volume, the OPEN failed. If a copy tape is available, disable the original tape and try the restore from the copy.

0099 **(ddd) NOT RESTORED: NO ARCHVOLS RECORD FOR VOLUME (vvv)**

Explanation: The data set was not restored since no ARCHVOLS record was found with the volume carried in the index record, archive volume field. It will be necessary to execute REBUILD to construct an ARCHVOLS record for the missing volume. See the instructions in *Chapter 9, Files Data Set Management* on page 279 in the *User's Guide*.

0100 **(ddd) NOT RESTORED: NO ARCHIVE VOLUME IN INDEX RECORD**

Explanation: The data set was not restored because the archive volume field in the index record contained spaces. Contact the SAMS:Disk Technical Support Center for assistance.

0103 **(ddd) NOT RESTORED TO (vvv): DCB ABEND (xxx)**

Explanation: The data set was not restored to the specified volume because the DCB abend exit was given control. The data set allocation is scratched if not preallocated, and processing continues.

0104 **NO DATA SETS MIGRATED FROM DASD TO TAPE**

Explanation: No data sets satisfied the specified selection criteria for sequential data set migration.

0105 **(ddd) NOT MERGED: NO ARCHIVE VOLUME IN INDEX RECORD**

Explanation: The data set was not merged because the archive volume field in the index record contained spaces. Contact the SAMS:Disk Technical Support Center for assistance.

0106 **NO ARCHIVES SELECTED FOR ARCHIVED DATA SET MERGE**

Explanation: No archives were selected, because none satisfied the criteria specified for execution of the merge job. Processing is terminated at this point.

0107 **(ddd) EXPDT (eee) ON ARCHIVED VOLUME (vvv) DELETED**

Explanation: The data set having the indicated expiration date was deleted as a result of either being expired or having no index record in the DSNINDEX logical file.

0108 **ARCHIVE VOLUME (vvv) PROCESSED: (nnn) DATA SETS MERGED (nnn) DATA SETS DELETED**

Explanation: Totals are printed after the archive tape has been read, reflecting the number of data sets retained and deleted from the tape.

0109 **(ddd) ON (vvv) (nnn) (xxx) DSNINDEX ENTRY NOT FOUND**

Explanation: The merge function has finished processing data set (ddd) on archive volume (vvv), but the data set index record for it can no longer be found. The archive file number is indicated by (nnn) and block number by (xxx).

Either a user has deleted the entry or the IXMAINT function is being run concurrently rather than before the merge function. In the latter case, reschedule merge processing to run after IXMAINT.

Turn to page 7 in the Systems Guide for details on executing a Files Status Report, and consider reorganizing the files data set.

0110 **(ddd) ON (vvv) (nnn) (xxx) MIGRATED TO (vvv) (nnn) (yyy)**

Explanation: The data set was merged from the first volume, file and block number to the second volume, file and block number.

0113 **ARCHIVE DATA SET (ddd) VOLUMES (vvv) INSERTED**

Explanation: A record was inserted into the ARCHVOLS file for the new archive tape data set created on the listed volume(s) during merge processing.

0114 **(xxx) DD STATEMENT MISSING**

Explanation: A DD statement that was required to continue processing was not found. The DD statement should be included in the JCL prior to resubmitting the job.

0115 **(ccc) VALUE OF (xxx) INVALID**

Explanation: The four-byte value field which is displayed as eight hexadecimal digits is not acceptable as a value for the indicated DSCB parameter name. The command is rejected and processing continues.

0116 **(ccc) SYSPARM SPECIFICATION OF (xxx) INVALID**

Explanation: The value specified as the value of the indicated DSCB user field displacement parameter is not acceptable. Processing is terminated to allow for correction of the corresponding entry in the sysparm table.

0118 **(ddd) NOT RESTORED TO (vvv): ISAM NO SPACE: EXCD (xxx)**

Explanation: The ISAM data set was not restored because a SYNAD routine was entered with the exception code field indicating that insufficient space was available. If the data set was preallocated, the space amount should be increased before attempting the restore again. If not, contact the SAMS:Disk Technical Support Center for assistance.

0119 **(ddd) NOT RESTORED TO (vvv): ISAM DCBEXCD=xxx(HEX)**

Explanation: The ISAM data set was not restored because the SYNAD routine was entered with the indicated exception code bit configuration. See Appendix A for an explanation of the bit settings. They represent the DCBEXCD1 and DCBEXCD2 fields of the DCB.

0121 **UNCORRECTABLE I/O ERROR ON (xxx)**

Explanation: An error was encountered on the device having the DDNAME (xxx). The run should be resubmitted with a different volume.

0122 **(ddd) NOT RESTORED TO (vvv): SYNAD ROUTINE ENTERED**

Explanation: The data set was not restored to the specified volume because an uncorrectable output error was encountered while attempting to write a block of data. The data set is bypassed and processing continues with the next data set.

0123 **ARCHVOLS FILE RECORD MISSING FOR VOLUME (vvv): EXECUTE PURGE FOR VOLUME TO DELETE DSNINDEX RECORDS**

Explanation: No record was found in the ARCHVOLS file for the indicated archive volume. Since index records are referenced during merge processing for either deletion or merging forward, the volume should be purged from the ARCHVOLS file in order to delete the disconnected index records. If the archive volume is unexpired and you desire to merge some of its data sets forward, rebuild the archive index before running the next merge.

0124 **NO DD STATEMENT PROVIDED FOR VOLUME (vvv)**

Explanation: A data set on the specified volume cannot be accessed because a required DD statement in the //Dn format was not provided. All data set actions for the volume will be bypassed.

0125 **DATA SET (ddd) NOT FOUND ON VOLUME (vvv)**

Explanation: The data set could not be processed because no format-1 DSCB was present on the volume upon which it was to reside.

0126 **(ddd) NOT ARCHIVED FROM (vvv): SYNAD ROUTINE ENTERED**

Explanation: The data set could not be dumped to tape because the access method SYNAD routine was entered as a consequence of an uncorrectable input error. The data set is bypassed and processing continues with the next data set.

0127 **(ddd) NOT PROCESSED FROM (vvv): DCB ABEND (xxx)**

Explanation: The data set could not be processed because a DCB abend exit was taken during the attempt to read it. The first four bytes of the parameter field are displayed in hexadecimal format. This field is documented in the Hitachi Data Management Macros Manual. The data set is bypassed and processing continues with the next data set.

0129 **(rrr) INVALID REPORT NAME**

Explanation: The first three characters of the value entered as a report name are not recognized as a SAMS:Disk report name. The command is skipped and processing continues with the next command.

0130 **(ddd) NOT MIGRATED FROM (vvv): NO DD STATEMENT**

Explanation: The data set could not be migrated to tape because no DD statement in the //Dn format was provided for the individual data set name specified or for the designated volume. The appropriate DD statement should be placed in the JCL and the run resubmitted.

0131 **ddd NOT DELETED; SCRATCH RC=8 vol1 rc, vol2 rc, ... voln rc**

Explanation: An attempt to scratch data set (ddd) has failed. The second line of the message identifies the volume(s) where the failure occurred, and its associated return code from the Hitachi scratch routine, indicating why it failed.

See Appendix A of this manual for a list of common return codes from Hitachi scratch routines.

0132 **(ddd) NOT ARCHIVED FROM (vvv); ISAM EXCD (xxx)**

Explanation: The ISAM data set (ddd) could not be archived from volume (vvv) because the SYNAD routine was entered with the DCB exception code field containing the specified two hexadecimal bytes. This field is documented in the Hitachi Data Management Macros Manual. The data set is bypassed and processing continues with the next data set.

0133 **(ddd) NOT RECATALOGED FROM (vvv) TO (ttt): (nnn) OR SCRATCHED**

Explanation: Data set (ddd), which was migrated from DASD volume (vvv) to the tape volume (ttt) and file number (nnn) was neither recataloged nor scratched.

0135 **(ddd) (vvv) NOT PROCESSED - ISAM ABEND INTERCEPTED**

Explanation: The ISAM data set on the specified volume was not processed because of a system abend. This may also cause a S0C3 abend at step termination when the terminator attempts to close the problem data set. It does not invalidate the other processing.

0136 **PDS NOTE LIST UPDATING INCOMPLETE FOR MEMBER (ccc)**

Explanation: The data set identified in a following message is not processed because all of the TTR entries in a note list record were not updated during the creation of the new copy of the data set. This situation arises when no data records are found at the TTR addresses specified in the note list. The TTR addresses are invalid.

0137 **DISCREPANCY BETWEEN NOTE LIST RECORD SIZE AND (ttrn): MEMBER (xxx)**

Explanation: The size of the note list record was less than a multiple of four times “n” from the directory user data field for the indicated member. The data set is bypassed as in error.

0138 **NOTE LIST RECORD TTR NOT FOUND IN PDS DIRECTORY**

Explanation: The data set identified in the message immediately following is not processed because the TTR of a note list record does not exist in the user field of the data set being written to the target volume.

0139 NO NOTE LIST TTRS FOUND IN DIRECTORY

Explanation: After a note list record was written while restoring a data set, an attempt to locate a note list TTRN in the directory entry for the member failed. Contact the SAMS:Disk Technical Support Center.

0140 NOTE LIST RECORD NOT PRESENT IN ARCHIVE DATA SET

Explanation: Although the directory entry user field for the partitioned data set indicated that a note list record was present in the data set, none was encountered during the attempt to restore the data set. Contact the SAMS:Disk Technical Support Center for further assistance.

0141 (ddd) NOT RESTORED TO (vvv): MEMBER ERROR ABOVE

Explanation: The data set could not be restored correctly because of an error encountered while processing one of the members as indicated in a previous message. The data set is bypassed.

0142 MEMBER (mmm) NOT STOWED: RETURN CODE: (xxx)

Explanation: The STOW macro failed after writing the member blocks for the indicated member. The return code is printed as two hexadecimal characters and is explained in the Hitachi Data Management Macros Manual.

0144 NO RATE FOUND FOR CATEGORY = (ccc)

Explanation: No entry was found in the DASD space billing rate table for the specified category. Please update the DSBRATEC member of PARMLIB to include an entry for the category.

0145 NO CATEGORY FOUND FOR VOLUME = (vvv)

Explanation: No entry was found in the DASD space billing category table for the specified volume. Please update the DSBCATEG member of PARMLIB to include an entry for the volume or volume class.

0150 (ddd) NOT RESTORED: (rrr)

Explanation: The data set could not be restored for the reason indicated.

0151 **(ddd) ON (vvv) (ccc) WITH TASC (xxx) IN DEFERRED FILE**

Explanation: The request to process data set (ddd) on volume (vvv) has been placed in the queue for later processing. The message indicates whether the request was an insertion or a replacement. If a replacement was requested, the message indicates that it had been selected previously.

0152 **(ddd) NOT FOUND ON (vvv): NO DEFERRED DISPOSITION**

Explanation: Data set (ddd) for which a request to defer processing was made could not be found on the volume of original residence (vvv). No action is taken and the record was deleted from the deferred disposition file.

0153 **IDCAMS ERROR CODE = (eee)**

Explanation: An JSCVSUT function has returned a non-zero return code (eee). This message should be preceded by a message which better describes the error. If no preceding message was issued contact the SAMS:Disk Technical Support Center.

0154 **(ddd) ON (vvv) NOT SCRATCHED: SYSTEM DATA SET**

Explanation: The data set was not scratched by the retention control disposition module because of the special data set name.

0155 **(ddd) NO ARCHIVE DISPOSITION: DD STATEMENT MISSING FOR c6**

Explanation: The data set cannot be disposed of because the DD statement for the indicated volume is missing.

0156 **(ddd) RECATALOGED FROM (vvv) TO (ttt): (xxx)**

Explanation: The migrated data set (ddd) was recataloged from DASD volume (vvv) to the indicated tape volume (ttt) and file number (xxx).

0157 **OLDVOLNO (vvv) NOT IN RECATALOG FILE**

Explanation: The data sets migrated to the tape designated by the OLDVOLNO parameter cannot be recataloged to a copy tape because no record of that volume (vvv) is present in the MIGRECAT file.

0158 **(ddd) NOT RECATALOGED FROM (vvv) TO (ttt): (nnn): RETURN CODE (xxx)**

Explanation: The migrated data set could not be recataloged from DASD volume (vvv) to tape volume (ttt) and file number (nnn) because of a problem with the CATALOG macro. The two-byte hexadecimal return code is documented in the Hitachi Data Management System Programming Library Manual.

0168 **VOLUME (vvv) NOT FOUND ONLINE**

Explanation: An attempt was made to archive a data set from, or restore a data set to, a volume that was not online.

0170 **(rrr) IS AN INVALID RATE FOR CATEGORY (ccc)**

Explanation: The displayed rate code from an entry in the DASD space billing DSBCATEG member of PARMLIB is invalid. The two-character category code is also displayed. Correct the error and resubmit the job.

0171 **(ddd) TO BE (aaa) AS (ddd)**

Explanation: A deferred (aaa) request record has been placed in the ARCHCMDS queue for data set (ddd). It will be (aaa) during the next batch execution of deferred archival.

0173 **NO BILLING RECORDS PROCESSED IN EXTEND STEP**

Explanation: No DASD space billing records were present for extend processing. No report will be produced and further processing is terminated.

- This message is issued for one of the following reasons:
- The DASDSPCB subfile of the files data set is empty (that is, the ACCUM step did not work)
- The DSNAME command parameter caused all data sets to be rejected
- The VOLUME parameter caused all data sets to be rejected

0175 **USERID (uuu) NOT IN DMS TSOTULMT CONTROL RECORD**

Explanation: An error was encountered while processing a TSS RESTORE command. Notify the SAMS:Disk Technical Support Center if this message appears.

0176 **DMSPARMS FILE NOT DEFINED**

Explanation: A TSS dynamic restore command cannot be executed until the DMSPARMS file is specified in the FILEDEFN member of PARMLIB for the files data set. Place the proper entry in the member, then execute the file reorganization utility. Notify your local SAMS:Disk support personnel.

0177 **FILE (fff), TYPE (ttt), RESULT (nnn), KEY (kkk)**

Explanation: During an attempt to process a TSS dynamic restore command, SAMS:Disk detected an error during use of the file handler. The name of the logical file, action type, result, and key of the involved record are displayed. Contact the SAMS:Disk Technical Support Center.

0178 **(fff) STEP DOWN: (aaa): (bbb)**

Explanation: RELOAD processing is abnormally terminated because a sequence error was detected in the designated logical file. The first 51 bytes of the out-of-sequence record and the one preceding it are displayed. Sort the unloaded sequential data set, then attempt the reload again.

0180 **(ddd) NOT DEFERRED: PRIOR REQUEST FOR VOLUME (vvv)**

Explanation: The request to accomplish a deferred archive/backup for data set (ddd) cannot be honored because a previous command is in the queue for the data set name on the same volume (vvv) and is still pending. The command is ignored.

0181 **(ddd) NOT DEFERRED: NOT IN SYSTEM CATALOG**

Explanation: A deferred archive/backup request record was not placed in the ARCHCMDS queue because the data set (ddd) was not found in the system catalog. The command may be entered again with the VOLUME parameter or after cataloging the data set.

0182 **ABENDED INDEX REBUILD FOR ARCHIVE DSNAME (ddd) ON (vvv)**

Explanation: An error was encountered during an attempt to construct index and/or archvol entries with the REBUILD utility. The nature of the problem is indicated in a prior message. Consider whether you want to save the partially rebuilt archive index or purge it.

0183 **INDEX REBUILD COMPLETED FOR ARCHIVE DSNAME (ddd) ON (vvv)**

Explanation: This message appears upon successful completion of a rebuild. The data set name and volume list for the archive data set which was input to the rebuild is displayed.

0184 *****ONLY (xxx) BYTES REMAINING IN THE FILES DATA SET*** AN UNLOAD AND RELOAD TO A LARGER FILES DATA SET IS NEEDED**

Explanation: This message begins appearing when DASD space in the files data set is reduced and fewer than 100,000 bytes remain. It is a warning that free space is at a low level in the files data set, and that at the earliest convenience a reorganization is required, during which the space allocation for the files data set must be increased.

0185 **(fff) OVERFLOW BLOCK (nnn): REDEFINE AND REORG NECESSARY**

Explanation: An overflow block split occurred for the designated logical file when SAMS:Disk tried to insert a record. This condition will not prevent continued use of the system, but will significantly degrade performance. The record count field in the FILEDEFN member entry should be increased to a number from 50 to 100 percent more than the current record count in the subject logical file. A reorganization of the entire files data set is then required.

0186 **(vvv) (vvv) RELEASED (xxx) DATA SETS (xxx) TRACKS (xxx) KILOBYTES**

Explanation: End-of-volume totals are displayed for the number of data sets, tracks, and kilobytes released for the device type and volume.

0187 **(xxx) (vvv) RELEASED (xxx) DATA SETS (xxx) TRACKS (xxx) KILOBYTES**

Explanation: The statistics in terms of data sets, tracks and kilobytes are displayed for the device type (xxx) and volume (vvv). These numbers reflect space made available as a result of data sets being scratched.

0188 **NO (A) OR (S) DISPOSITION FOR (ttt) TABLE ENTRY (eee)**

Explanation: An entry was encountered in retention control's volspec member entry (ttt) which did not have either an "A" for archive or "S" for scratch in the disposition action field. The first 14 bytes of the entry are displayed (eee).

0195 **VOLUME (vvv) NOT FOUND ONLINE**

Explanation: To complete the requested function, SAMS:Disk needs access to volume (vvv) during its execution. Verify the volume serial is valid and is online to the system before running SAMS:Disk again.

The volume is considered online if it is found in the system UCB table and is marked online.

0196 **(ddd) DD STATEMENT MISSING**

Explanation: SAMS:Disk needs the DD statement with the name (ddd) to complete its execution. See Section 18, JCL DD Statements, in the User's Guide to determine how the DD statement is used and its format.

Supply the DD statement and rerun the function.

0197 **QMNGRIO ERROR, RC = (xxxx)**

Explanation: SAMS:Disk uses the standard Hitachi macro QMNGRIO to modify a JFCB control block. During the use of this macro, an unexpected return code of (xxxx) was encountered.

This is a SAMS:Disk internal error. Contact the SAMS:Disk Technical Support Center for further assistance.

0199 **(ddd) WAS NOT RESTORED DUE TO ARCHIVE TAPE ERROR**

Explanation: SAMS:Disk was unable to successfully read all archive tape data to restore VSAM cluster (ddd). See previous error messages for information about the error that exists with the tape volume.

0201 **(ddd) WAS NOT RESTORED DUE TO PREVIOUS ERROR**

Explanation: VSAM cluster (ddd) was not restored because of an error SAMS:Disk encountered, described in a preceding message. The cluster is bypassed.

0203 **COMMAND REJECTED: SYS SER SET COMBINATION REQUIRED**

Explanation: The RETAIN command requires at least one of the three parameters: SYS/SER/SET. Modify the command and resubmit the job.

0204 **(ddd) NOT RESTORED TO (vvv): BDAM U-V RETURN CODE (xxx)**

Explanation: The BDAM data set (ddd) was not restored to volume (vvv) because a non-zero return code was returned when a check was issued for a WRITE macro. The data set is bypassed and processing continues with the next data set.

0205 **NO RECORD FOUND FOR DSN = (ddd)**

Explanation: No DASD space billing record was found for data set name (ddd) which was to be renamed to a different data set name. The command is bypassed and processing continues with the next command.

0207 **NO DYNAMIC ENTRY AVAILABLE IN TIOT**

Explanation: The TSS dynamic RESTORE cannot be completed because no DYNAMIC entry was available in the TASK I/O TABLE for the user region. If no entry can be made available by deallocation of files, notify your local technical support group of this condition.

0208 **ARCHIVE VOLUME (vvv) DSN (ddd) IN USE**

Explanation: The TSS dynamic RESTORE cannot be accomplished because the archive volume (vvv) containing the data set to be restored (ddd) is in use by another task. The command should be executed again at another time.

0209 **NO TAPE UNIT AVAILABLE FOR DYNAMIC RESTORE**

Explanation: No tape unit was available for allocation of the archive volume in order to restore the data set specified in the TSS RESTORE command. Contact your local SAMS:Disk technical support representative if this condition persists for repeated executions of the command.

0210 **NO RESTORE: MAXIMUM TAPE UNIT ALLOCATION FOR TSO**

Explanation: The foreground RESTORE cannot be completed because the limit has been reached for the number of archive tapes that can be allocated concurrently in service of TSS dynamic RESTORE commands. The limit is set by sysparm TSOTULMT. Enter the command again at a later time.

0212 **TIMEDATE VALUE MUST BE NINE DIGITS: IS ONLY (nnn)**

Explanation: The value specified for the TIMEDATE command parameter was less than the nine-digit minimum for the time and date of archival of the data set which is to be restored. The actual length of the entered value was (nnn).

0213 **ARCBLKSZ = (nnn), DS BLKSIZE = (bbb): ARC MUST BE GT**

Explanation: An attempt was made to archive a data set which has a blocksize greater than that specified for the archive tape. The archive tape blocksize is (nnn); the data set blocksize is (bbb). The archive tape blocksize must be at least 14 bytes greater than the largest physical block to be written to tape.

0214 **EXPDT VALUE MUST BE FIVE DIGITS: IS ONLY (nnn)**

Explanation: The value supplied with the EXPDT keyword was less than five digits, which is required for the expiration date in any command. The actual number of digits entered was (nnn).

0215 **PARSE RETURN CODE OF (xxx)**

Explanation: A non-zero return code was returned from the TSS PARSE service routine and is displayed as two hexadecimal bytes. The code is documented in the Hitachi Reference Manual for Writing a Terminal Monitor Program. The command is bypassed.

0216 **MEMBER LIMIT EXCEEDED: FIRST (nnn) ENTRIES RESTORED**

Explanation: The number of entries specified in the member list in the command exceeded the processing capacity of the program. Only (nnn) entries were handled; the remainder were ignored.

0218 **(ddd) RESTORED TO (vvv), ARCHIVED AT (ttt) on (bbb), ARCHVOLS = (aaa), FILE = (nnn)**

Explanation: During recover processing, the data set (ddd) which was successfully restored to volume (vvv) is uniquely identified as to the time (ttt) and date (bbb) of archival and the volume (aaa) and file number (nnn) of the archive tape.

0219 **BLOCK COUNT CAPACITY OF INDEX EXCEEDED FOR FILE (ccc)**

Explanation: The RELOAD of logical file (ccc) is terminated because the number of records specified in the entry for the file in the FILEDEFN member was inadequate. After the corresponding entry has been updated with a number from 50 to 100 percent higher than the current number of logical records in the file, attempt the RELOAD again.

0221 **NO VOLUME RECORDS FOUND IN FILES**

Explanation: A DELETE command was executed to remove all index entries from the DSNINDEX which referenced expired archive volumes, but the search of the ARCHVOLS file did not produce any expired ARCHVOLS records.

0223 **(ddd) TO BE RESTORED AS (nnn)**

Explanation: A deferred restore command has been placed in the queue for data set (ddd). The NEWNAME parameter was specified in the command, so the data set will be renamed (nnn).

0224 **NO FORMAT-1 FOUND FOR (ddd) ON VOL (vvv)**

Explanation: The format-1 DSCB for data set (ddd) could not be found on volume (vvv). The deferred archive request for the data set is left undisturbed in the queue and processing resumes with the next command.

0227 **BILLING RECORD FOR (ddd) ON (vvv) HAS BEEN FLAGGED AS SCRATCHED**

Explanation: The DASD space billing record for data set (ddd) on volume (vvv) is flagged as scratched because no format-1 DSCB was detected during this pass.

0229 **SYNAD ENTERED WHILE PROCESSING (ddd) ON (vvv)**

Explanation: Data set (ddd) on volume (vvv) could not be processed because SAMS:Disk encountered an input error while attempting to read the PDS directory. This condition normally results from the directory being overwritten when the data set is opened for output as a sequential data set.

0230 **(ddd) NOT MERGED: OPEN ERROR ON ARCHIVE VOLUME (vvv)**

Explanation: Data set (ddd) was not merged because an attempt to open the archive data set on archive tape volume (vvv) failed. If a copy tape is available, the original tape should be disabled and another MERGE attempted.

0235 **ISAM DSN (ddd) ON (vvv) IGNORED. (xxx)**

Explanation: The ISAM data set (ddd) on volume (vvv) cannot be processed because of the condition described in the 43-character text field. The data set is bypassed and processing is resumed with the next data set.

0236 **(ddd) DD STATEMENT MISSING**

Explanation: SAMS:Disk needs the DD statement with the name (ddd) to complete its execution. See Section 18, JCL DD Statements, in the User's Guide to determine how the DD statement is used and its format. Supply the DD statement and rerun the function.

0238 **DMS USER SVC NUMBER (ccc) INVALID**

Explanation: A valid user SVC number is required for use of the TSS dynamic RESTORE command with non-VOS3 systems. The system will abend. The appropriate SVC number must be specified with the SVCNODMS sysparm.

0239 **NO REPORT FOR ISAM DATA SET (ddd) ON (vvv) IGNORED: (xxx)**

Explanation: The ISAM Data Set Organization Dependent report could not be produced for data set name (ddd) on volume (vvv) due to the condition described in the text field at the end of the message. The data set is bypassed.

0240 **(ddd) ON (vvv) COMPRESSED**

Explanation: PDS (ddd) on volume (vvv) has been successfully compressed with the PDS Compress function of SAMS:Disk. See the PDS Compress report for the new space allocation attributes associated with the PDS.

0242 **(ddd) ON (vvv) COULD NOT BE COMPRESSED: ALLOCATED**

Explanation: PDS (ddd) on volume (vvv) could not be compressed because an attempt to issue an exclusive enqueue failed because the data set was in use by another task.

0245 **(ddd) CANNOT BE UNCATALOGED: DATA SET NAME EXEMPTED**

Explanation: Data set (ddd) was not uncataloged because the data set name is one of a protected class which SAMS:Disk will not uncatalog. It has a data set name of either “SYSCTLG”, “PASSWORD” or “SYS1". To provide system integrity, SAMS:Disk will not uncatalog this data set.

0246 **(ddd) NOT RESTORED: PREALLOC SYSPARM DID NOT ALLOW DATA SET ON (vvv) TO BE OVERLAID**

Explanation: Data set (ddd) could not be restored because it was found to be preallocated on volume (vvv) and sysparm PREALLOC has not been specified with either a Y or C to permit use of the preallocation. The data set is bypassed.

0250 **DAYS NOT NUMERIC FOR (ttt) TABLE ENTRY (eee)**

Explanation: The value in the “days” field of an entry in the indicated RETVOLSPEC entry is not numeric. The first 14 characters of the incorrect entry are displayed. Correct the entry and resubmit the job.

0255 **(ddd) ALREADY IN THE QUEUE WAITING TO BE PROCESSED**

Explanation: The deferred command is rejected because it has been requested previously and is still pending. Processing continues with the next command.

0257 **NON-NUMERIC CHARACTER IN FILEDEFN ENTRY (ccc)**

Explanation: Generation of the file control block abended because an invalid value was detected in a numeric field of an entry of the FILEDEFN table. Correct the entry and resubmit the job.

0258 **FILES DATA SET HAS NOT BEEN INITIALIZED**

Explanation: SAMS:Disk did not find the file control block at the beginning of the first physical block of the files data set, and the processing abended. Execute the files initialization utility or reorganize the files data set, then resubmit the job.

0259 **VOLUME LEVEL REPORT (rrr) CANNOT BE DISPLAYED**

Explanation: The report (rrr) cannot be produced by use of the DISPLAY command because a volume scan is required to produce it. The request should be resubmitted with the REPORT command.

0260 **USERID (uuu) NOT AUTHORIZED FOR DSN (ddd)**

Explanation: The TSS user is not authorized access to data set name (ddd) because the high-level node does not correspond to the user ID. The data set is bypassed.

0262 **(ddd) ON (vvv) CANNOT BE COMPRESSED: NOT PDS**

Explanation: Data set (ddd) on volume (vvv) which was named in an explicit COMPRES command cannot be compressed because the data set organization field in the format-1 DSCB does not indicate it is a partitioned data set. The data set is bypassed.

0263 **(ddd) ON (vvv) CANNOT BE COMPRESSED - BLDL FAILED**

Explanation: PDS (ddd) on volume (vvv) cannot be compressed due to a failure to retrieve an alias directory entry via a BLDL macro. The data set is bypassed.

0264 **NEGATIVE BLOCK LENGTH ENCOUNTERED IN COMPRESS UNLOAD**

Explanation: During the copying of a physical data block from a PDS to the work file, a negative block length was detected. Because this is considered to be a program logic error, a dump is taken. Contact the SAMS:Disk Technical Support Center for further assistance.

0266 **REALLOCATION OF PDS SPACE HAS FAILED, ABEND 200 PREALLOCATE DATA SET AND USE RELOAD COMMAND TO RECOVER DATA SET**

Explanation: Compress processing is abended because the unloaded data set could not be reallocated on the volume of residence at its original allocation. This condition normally is a result of another task taking space on the volume between the time it was scratched and the time the reallocation was attempted. The data set will have to be manually allocated on the same or a different volume and restored with the RELOAD command before compression processing can resume.

See previous error messages for information about the data set being processed and the exact cause of the allocation error.

0267 **(ddd) ON (vvv) NOT RELOADED: NO CONTROL RECORD**

Explanation: Data set (ddd) could not be reloaded to volume (vvv) because no control record was found at the beginning of the work file. This condition can be caused by incorrect specification of the work file DSNAME or may result from the fact that a reload is not needed.

0268 **(ddd) ON (vvv) NOT RELOADED: NO DSCB RECORD**

Explanation: The reload operation for data set (ddd) on volume (vvv) was prematurely terminated when the format-1 DSCB for the unloaded data set was not present at the point in the work file where it was expected. The output of the previous run should be inspected first to ensure that a reload is, in fact, necessary, and that the correct data set is named as a work file.

0269 **(ddd) ON (vvv) NOT RELOADED: OBTAIN FAILED**

Explanation: Data set (ddd) on volume (vvv) could not be reloaded because the format-1 DSCB for the target set could not be retrieved with the OBTAIN macro. Verify that the specified data set has in fact been allocated on the indicated volume.

0270 (ddd) ON (vvv) NOT RELOADED: ZERO BLOCKSIZE

Explanation: The reload attempt was terminated because the DCB BLKSIZE field in the format-1 DSCB for the preallocated data set (ddd) on volume (vvv) is zero. The job may be resubmitted after the data set has been reallocated with the proper blocksize from the last copy back message.

0271 NEGATIVE BLOCK LENGTH ENCOUNTERED IN COMPRESS RELOAD

Explanation: A dump was taken during the execution of PDS Compress because a condition was encountered which was caused by either an invalid work file or a program logic error. Contact the SAMS:Disk Technical Support Center after the memory dump has been received.

0272 PREMATURE END OF WORK FILE

Explanation: The Compress operation abended due to a condition which should not occur. Contact the SAMS:Disk Technical Support Center after the dump is retrieved.

0273 (ddd) ON (vvv) NOT RELOADED: DIRECTORY FORMAT ERROR

Explanation: Data set (ddd) on volume (vvv) could not be restored because an error was encountered while attempting to format the directory of the preallocated data set. Review the JCL for the preallocation to ensure that it contained the proper parameters from the copy back message immediately prior to the abend.

0275 (ddd) ON (vvv) NOT RELOADED: NOT PDS

Explanation: The reload was abended for data set (ddd) on volume (vvv) because the data set organization field in the format-1 DSCB of the data set to which the contents of the work data set were to be restored indicated that the preallocation was not a PDS. The reload may be resubmitted after a PDS is allocated for a target.

0276 (ddd) NOT COMPRESSED ON (vvv): DCB ABEND (xxx)

Explanation: A DCB abend exit was taken while attempting to open or close the directory for PDS (ddd) on volume (vvv). The first three bytes of the abend code specify the address of the ABEND parameter list (see the Hitachi Data Management Services Guide for analysis of this list). The PDS is probably in error and has been bypassed.

0277 **(ddd) NOT COMPRESSED ON (vvv): SYNAD ROUTINE ENTERED**

Explanation: An unrecoverable I/O error occurred while processing data set (ddd) on volume (vvv). The specified volume indicates whether the error occurred while reading the source data set or while writing the new target data set. The data set is bypassed. If the source data set incurred the error, examine the data set to determine if it needs to be recovered.

0279 **DCB BLKSIZE PARAMETER MISSING FOR COMPWORK DD STATEMENT**

Explanation: The DD statement used for the PDS Compress function did not have a value specified in the DCB BLKSIZE subparameter. A recommended value is the track capacity of the host device rounded down to an even number (multiple of 2).

0280 **NOTE LIST RECORD NOT PRESENT IN COMPRESS DATA SET**

Explanation: A note list record, which should have been present in a PDS being compressed, was not found. This condition prevents successful compression of the data set.

0281 **OBTAIN FAILED FOR DSN=(ddd); OBTAIN RETURN CODE (xxx)**

Explanation: An attempt to retrieve the format-3 DSCB for data set name (ddd) failed. The return code from the “cchh” option of the OBTAIN macro is displayed in hexadecimal format.

0283 **UCB LOOKUP FAILED FOR VOLUME (vvv)**

Explanation: Volume (vvv) could not be found by a search of the UCB table. This is considered a program error at the point of occurrence, and processing is terminated. Contact the SAMS:Disk Technical Support Center for further assistance.

0284 **(ddd) NOT ALLOCATED: ZERO DIRECTORY BLOCKS**

Explanation: PDS (ddd) could not be allocated because the directory block count field is zero. An attempt to allocate such a data set would force a S0C4 abend in DADSM ALLOCATION processing. The data set is bypassed.

0287 **RESTORE FAILED REQUESTED = (ddd) FOUND DSN = (nnn) IN ARCHIVES**

Explanation: Data set (ddd) was not restored because the control record in the first block of the data set on the archive tape did not contain the correct data set name, but was data set name (nnn). This condition typically results from the reuse of an archive tape for scratch output while some index records are yet to be deleted. A subsequent attempt to restore a data set which is no longer on the archive tape would cause this to occur. A purge followed by a rebuild would remedy the situation.

0290 **DEVTYPE (xxx) FOR VOLUME (vvv) NOT SUPPORTED FOR ISAM RESTORE**

Explanation: The ISAM edit module does not recognize the device type (xxx) for volume (vvv) to which the restore is requested. Contact the SAMS:Disk Technical Support Center if this message is issued when the device is a standard Hitachi DASD unit.

0292 **(ddd) NOT CATALOGED TO (vvv), ALREADY CATALOGED TO (ccc)**

Explanation: Restored data set (ddd) was not cataloged to volume (vvv) to which it was restored because the data set name was already in the system catalog with another volume (ccc). The data set will remain online as a disconnected data set.

0294 **DATA SET NAME = (ddd) WAS NOT (aaa) BECAUSE IT IS A MULTIVOLUME DATA SET**

Explanation: Data set (ddd) was not (aaa) because it spans more than one volume and the ARCMULTI sysparm was not specified. In order to (aaa) multivolume PS and DA data sets which are located on two to five volumes, the ARCMULTI sysparm must be specified with a value of Y.

For more information on processing multivolume data sets, turn to the topic *"Multivolume Data Sets"* on page 16 in the *User's Guide*.

0295 **(ddd) NOT (aaa): (nnn) VOLUMES EXCEED LIMIT OF FIVE**

Explanation: The multivolume data set (ddd) cannot be (aaa) because the number of volumes is greater than the five-volume limit which SAMS:Disk currently handles. The data set is bypassed.

0300 **ASSIGN COMMAND TO BUILD VOLUME INDEX FOR (vvv) IGNORED, NO VOLUME SUPPLIED AS A COPY**

Explanation: A copy volume could not be created for archive volume (vvv) because no copy volume was supplied via the COPY parameter. The command should be attempted again with the appropriate copy volume specified as required.

0301 **NO DATA SETS RESTORED TO VOLUME (vvv)**

Explanation: This message is issued upon completion of processing of one or more RECOVER commands when no data sets have been restored. Verify that you spelled the volumes and data set names correctly, and that you did not specify conflicting parameters. Also check for error messages that explain the results.

0302 **POOL BUFFER IS FULL: MAX ENTRIES = (nnn) SYSPARM DASDPMAX MAY BE USED TO INCREASE THE MAXIMUM**

Explanation: The capacity of the buffer that stores DASD pool table entries has been exceeded. You can increase this value by using sysparm DASDPMAX. See the Sysparms section of the Systems Guide for more information about DASDPMAX.

0303 **VOLUME BUFFER IS FULL: MAX ENTRIES = (nnn) SYSPARM DASDVMAX MAY BE USED TO INCREASE THE MAXIMUM**

Explanation: The capacity of the buffer which stores DASD pool volumes has been exceeded. For further information, see message number 0302.

0308 **(ddd) ON (vvv) NOT ARCHIVED DUE TO OPEN ERROR**

Explanation: The attempt to open data set (ddd) on volume (vvv) for processing failed and it has been bypassed.

0309 **VOLUME (vvv) REJECTED AS A SCRATCH TAPE - STILL IN ARCHVOLS FILE. SEE MESSAGE MANUAL FOR RECOVERY.**

Explanation: An archive tape volume (vvv) was mounted as scratch but was found to still exist in the ARCHVOLS file as a valid archive tape. The tape cannot be used as an archive scratch tape until the data sets on it are either purged from the index (index maintenance function) or copied to another tape. This tape has been rejected and another scratch tape requested. This condition is caused by either not keeping the SAMS:Disk index synchronized with the scratch tapes, or an operator error in mounting the tape.

ATTENTION: RECOVERY ACTION IS NEEDED!

Since the tape was mounted as an output scratch tape, an output label was written at the beginning of the tape. SAMS:Disk then attempted to insert the tape volume into the ARCHVOLS and discovered that it was already there (from a prior use of the tape).

If the data on the tape (from the prior use) is no longer valid, use the index maintenance PURGE command to remove the tape from the ARCHVOLS. If the data is still valid, all but the first data set on the tape can be recovered by using the tape fix utility as documented in Section 7, Problem Analysis/Aids, in the Systems Guide.

0310 **DYNAMIC ALLOCATE OF (ddd) ON (vvv) FAILED: RC (xxx) REASON (xxx) INF (xxx)**

Explanation: An attempt to dynamically allocate archive data set (ddd) on volume (vvv) failed. The return code, error reason code and information reason code returned by SVC 99 are each displayed in hexadecimal format. Refer to an Hitachi Job Management Manual for an explanation of codes. No data sets which had been archived to the referenced archive tape will be restored.

0313 **DD STATEMENT MISSING FOR OWNER WORK DATA SET**

Explanation: The owner DD statement is missing for a function which requires it. Supply the correct DD statement and rerun the job.

0314 **LIMIT OF (nnn) EXCEEDED: FILE (ccc) AND FOLLOWING DROPPED**

Explanation: Member FILEDEFN of the PARMLIB data set contained more entries for logical subfiles than the internal control block structure for the files data set could accommodate. This message displays the name of the first logical file from the FILEDEFN member that was dropped.

0315 **INVALID OPTION PASSED TO MODULE**

Explanation: An invalid option code was passed to a multifunction module. This is considered a program error and a dump is forced. Contact the SAMS:Disk Technical Support Center.

0316 **(ccc) I/O ERROR FOR VOLUME (vvv), CCHH = (xxx)**

Explanation: A permanent I/O error was encountered while accessing the indicated unit, volume and CCHH. Message 0317 displays additional data pertinent to this error.

0317 **ECB = (xxx), STATUS = (xxx), SENSE = (xxx), CMD = (xxx)**

Explanation: This message follows message 0316. The ECB completion code, status bytes, sense bytes and channel command are presented in hexadecimal format. See the Hitachi System/M-series Reference Summary for an explanation.

0320 **INVALID FIELD CODE (ccc) DETECTED BY REPORT WRITER**

Explanation: The displayed field code was not recognized by one of the report writer modules. Report this incident to the SAMS:Disk Technical Support Center.

0321 **REPORT TABLE NAME (ttt) NOT DEFINED**

Explanation: The report table name encountered in the prefix of an input record to the report writer was not found as a member name in PARMLIB. Verify that you are using the correct PARMLIB and that the member is usable. If not, contact the SAMS:Disk Technical Support Center.

0322 NO CONTROL ENTRY IN REPORT TABLE FOR (ttt)

Explanation: The control entry for the designated report was not found in the REPORT table. Since the control entry is required, SAMS:Disk will abend. If the specified report is one of the SAMS:Disk reports, contact the SAMS:Disk Technical Support Center.

0323 NO HEADER ENTRY IN REPORT TABLE FOR (ttt)

Explanation: The report writer did not encounter a header line entry for the specified report. At least one header line is required for each report. Contact the SAMS:Disk Technical Support Center if a SAMS:Disk report was being written at the time the message was issued.

0324 NO DETAIL ENTRY IN REPORT TABLE FOR (ttt)

Explanation: The report writer did not encounter a detail line entry for the specified report. At least one detail line is required for all reports. Contact the SAMS:Disk Technical Support Center if a SAMS:Disk report was being prepared at the time the message was issued.

0325 INVALID FIELD LENGTH IN TABLE ENTRY (ccc)

Explanation: The field length field in table entry (ccc) does not contain a valid value for the type of field specified. Correct the entry and resubmit the job.

0326 INVALID RECORD POSITION IN TABLE ENTRY (ccc)

Explanation: The record position field in table entry (ccc) does not contain a valid value for the type of field specified. Correct the entry and resubmit the job.

0327 INVALID PRINT POSITION IN TABLE ENTRY (ccc)

Explanation: The print position field in table entry (ccc) does not contain a valid value for the type of field specified. Correct the entry and resubmit the job.

0328 INVALID TARGET LENGTH IN TABLE ENTRY (ccc)

Explanation: The target length field in table entry (ccc) does not contain a valid value for the type of field specified. Correct the entry and resubmit the job.

0329 INVALID FIELD TYPE IN TABLE ENTRY (ccc)

Explanation: The field type code in table entry (ccc) was not one of the valid types for the report writer. See Section 11, Report Processing, in the Systems Guide for a list of acceptable codes. Correct the entry and resubmit the job.

0330 CONTROL FIELD DEFINITION INVALID FOR TABLE (ttt)

Explanation: An erroneous condition was detected during processing of the control entry from report table (ttt). Correct the entry and resubmit the job.

0331 HEADER FIELD DEFINITION INVALID FOR TABLE (ttt)

Explanation: An erroneous condition was detected during processing of a header entry from report table (ttt). Correct the entry and resubmit the job.

0332 DETAIL FIELD DEFINITION INVALID FOR TABLE (ttt)

Explanation: An erroneous condition was detected during processing of a detail entry from report table (ttt). Correct the entry and resubmit the job.

0333 INSUFFICIENT MEMORY AVAILABLE FOR (ttt)

Explanation: The memory available for a REPORT table was inadequate for report table (ttt). Contact the SAMS:Disk Technical Support Center for a zap to increase the size of the internal table.

0334 REPORT LINE GROUP ENCOUNTERED WITH NO LINES

Explanation: The report writer was unable to find a detail line for a report being generated. This is considered a program error and a dump is requested. Contact the SAMS:Disk Technical Support Center if a SAMS:Disk report was in progress.

0335 REPORT LINE ENCOUNTERED WITH NO FIELDS

Explanation: The report writer detected a report control block with zero as the field count. This is a program error and a dump is forced. If SAMS:Disk reports were being prepared, contact the SAMS:Disk Technical Support Center.

0336 **INVALID FIELD TYPE CODE PASSED TO FIELD PROCESSING MODULE**

Explanation: The report writer passed an unrecognizable field type code to one of the Field Edit modules. This is considered a program error and a dump is taken. Contact the SAMS:Disk Technical Support Center if one of the SAMS:Disk reports is in progress when this occurs.

0339 **ALLOCATION REQUESTED FOR (ddd) ON (vvv) HAS FAILED; ALLOCATION WILL BE RETRIED WITHOUT THE CONTIGUOUS ATTRIBUTE**

Explanation: Allocation failed for PDS (ddd) on volume (vvv) during PDS Compress copy-back. The allocation amount was calculated by either:

- the original primary plus secondary extents the ALLOCATE= parameter
- the SPACE= parameter

This type of allocation failure can usually be attributed to fragmented free space on the target volume. The allocation will be retried without requesting the space in contiguous tracks.

Note: If the data set was allocated using the “CONTIG” attribute for performance reasons, you may wish to move the data set to another volume which can satisfy the allocation request.

0340 **ALLOCATION REQUESTED FOR (ddd) ON (vvv) HAS FAILED: REQUESTED AMOUNT WILL BE ADJUSTED TO (nnn) TRACKS AND THE ALLOCATION RETRIED.**

Explanation: Allocation failed for PDS (ddd) on volume (vvv) during PDS Compress copy-back. The allocation amounts were calculated by either:

- the original primary plus secondary extents the ALLOCATE= parameter
- the SPACE= parameter

This type of allocation failure can usually be attributed to fragmented free space on the target volume.

A new primary allocation amount will be calculated, based on the volume's free space extents. The secondary allocation amount is then adjusted to compensate for the new primary amount. The directory block allocation will be checked to ensure that all directory blocks requested will fit into the first extent. If the number of directory blocks requested will not fit into the first extent, the allocation will be adjusted so that the number requested will equal the maximum allowed or the maximum required, whichever is larger. If the adjusted allocation amounts cannot be satisfied and this allocation fails as well, SAMS:Disk will then attempt to allocate the PDS using its original allocation amounts.

0342 **ARCHVOLS RECORD NOT RETRIEVED FOR VOLUME (vvv)**

Explanation: SAMS:Disk found no record in the ARCHVOLS file for the data sets to be merged. You may either rebuild the ARCHVOLS record and resubmit the merge job, or purge the ARCHVOLS to eliminate all index entries that reference archive tape volume (vvv).

0345 **VOLUME (vvv): EXPECTED FILE NOT (nnn): FOUND FILE NUMBER (nnn)**

Explanation: During merge processing, an index record for a data set was selected which was incompatible with the current content of the archive tape volume (vvv). This is normally a consequence of an archive tape being used as archive scratch before all of the data sets previously archived to it have been deleted. A purge on the volume following the merge of all current data sets will eliminate the problem.

0348 **(ddd) ON (vvv) (nnn) TRACKS NOT AVAILABLE: ORIGINAL (nnn) TRACKS REQUESTED**

Explanation: PDS Compress was not able to allocate a new PDS (ddd) because of space limitations on volume (vvv) when requesting (nnn) tracks. Data set (ddd) was reallocated and copied back with its original attributes. If message 0240 follows, the PDS has been successfully compressed. Step condition code is set to 04.

0349 **OBTAIN FAILED FOR FORMAT-4 DSCB: JFCBVOLS (vvv), OBTAIN RC = (xxxx)**

Explanation: SAMS:Disk could not locate the format-4 VTOC entry for volume (vvv). The OBTAIN macro used to retrieve the entry returned an unexpected status code of (xxxx).

Verify the volume is available and online to the system when SAMS:Disk is running. If this is not the problem, contact the SAMS:Disk Technical Support Center.

0350 **(fff): STEP DOWN: HIGH KEY (ccc)**

Explanation: During a validation run, SAMS:Disk detected a key number that is out of sequence. This message displays the key of the logical record immediately preceding the record which is out of sequence. The next message displays the key of the logical record that is out of sequence.

0351 **(fff): STEP DOWN: KEY (kkk)**

Explanation: During a validation run, SAMS:Disk detected a key number that is out of sequence. This message displays the key of the logical record that is out of sequence. The previous message displays the key of the logical record immediately preceding the record which is out of sequence. Contact the SAMS:Disk Technical Support Center for special instructions.

0352 **(fff): BLOCK COUNT LESS THAN NUMBER OF BLOCKS**

Explanation: During a validate of logical file (fff), the block count was less than the number of data blocks encountered. This discrepancy may be corrected by reorganizing the files data set at a convenient time.

0353 **(fff): PREMATURE END OF BLOCK CHAIN: RESIDUAL COUNT (nnn)**

Explanation: During a validation of file (fff), the data block chain ended before the block count reached zero. The condition may be corrected with a reorganization of the files data set. However, if the record count is less for the file than it should be, contact the SAMS:Disk Technical Support Center for instructions.

0354 **(fff): EMPTY DATA BLOCK: RBA (xxx)**

Explanation: A data block with zero records was encountered for logical file (fff). This condition may be corrected by a reorganization of the files data set.

0355 **(fff): KEY DISCREPANCY: INDEX RBA (xxx): KEY (ccc)**

Explanation: For logical file (fff), the key in the index block entry which corresponds to a specific data block does not match the highest key currently in the data block. This message displays the key and RBA of the index entry. Message 0356 is related and is always issued along with this one.

0356 **(fff): KEY DISCREPANCY: BLOCK RBA (xxx): KEY (ccc)**

Explanation: For logical file (fff), the high key in the data block at the indicated RBA is displayed in this message. To correct the condition referenced by this message and message 0355, reorganize the files data set.

0357 **(fff): LAST INDEX ENTRY KEY NOT HEX 'FF': (xxx) (ccc)**

Explanation: For logical file (fff), the high key in the index for the subject file was not high values as originally formatted. To correct this condition, contact the SAMS:Disk Technical Support Center.

0358 **(fff): LOOP ENCOUNTERED IN CHAIN: VALIDATE TERMINATED**

Explanation: A loop was detected in the data block chain while logical file (fff) was being validated. Contact the SAMS:Disk Technical Support Center for instructions on how to recover and resequence the indicated file.

0360 **ZERO LEN INVALID**

Explanation: An entry was detected in the SYSPARM member which had a length of zero. List the member and correct the entry before attempting additional SAMS:Disk processing.

0361 **SYSPARM ENTRY DBDSNCFD LEVEL GR 4: DBDSNCFD = (ccc)**

Explanation: The value of the DASD space billing sysparm DBDSNCFD had a number greater than four. Correct the entry and resubmit the billing run.

0363 **ARCHIVE VOLUME SPACES FOR DSNAME (ddd)**

Explanation: A NULL volume was passed to the archive tape dynamic allocation module. No data sets on the associated archive tape can be processed until a valid ARCHVOLS record can be obtained. The LISTV function can be used to print the contents of all ARCHVOLS records. If necessary, the purge function can be used to delete the incorrect ARCHVOLS record. Then rebuild can be employed to construct a valid ARCHVOLS record for the archive tape.

0364 **SYSPARM (ccc) HAS INVALID LENGTH OF HEX (xxx)**

Explanation: The designated entry in the sysparm member has a length that is either fewer than 8 or more than 44 characters. Update the entry before you execute a program that references the sysparm.

0366 **SYSPARM (ccc) TAPE DENSITY OF (ccc) INVALID**

Explanation: The tape density value specified for the sysparm designated is not a legitimate tape density. Specify a value of either 6250 or 1600 for this sysparm.

0367 **INVALID USERCODE LENGTH: 1 to 12 VALID: USRCDLEN = c2**

Explanation: The value specified for sysparm USRCDLEN is not within the acceptable range of 1 to 12 characters. Replace the value with a valid two-digit value, then resubmit the job.

0368 **STOW RETURN CODE (xxx) FOR ALIAS (ccc) IN (ddd) ON (vvv)**

Explanation: A non-zero return code as indicated was received when attempting to STOW an alias entry for data set (ddd) on volume (vvv). Report this condition the SAMS:Disk Technical Support Center.

0369 **BUFFER SIZE OF (nnn) INSUFFICIENT FOR (ddd) ON (vvv)**

Explanation: PDS (ddd) on volume (vvv) cannot be compressed with the fast option of the BSAM Compress support without increasing an internal block buffer. Contact the SAMS:Disk Technical Support Center for a zap to process the data set.

0370 **DEFERRED WRITE OPTION NOT PERMITTED FOR FILE (ccc): IGNORED**

Explanation: The deferred write option, which was specified in the file define entry for file (ccc), is ignored. The nature of processing for the file precludes use of the deferred write technique.

0371 **(nnn) (ccc) COMMANDS PROCESSED**

Explanation: This message provides the number of commands requesting deferred processing for the specified function at end-of-file for the command input stream.

0381 **DUPLICATE COPY NOT PRODUCED, ARCHIVEC DD DUMMY**

Explanation: This informational message indicates that a duplicate copy was not produced during archival because the DUMMY parameter was specified on the ARCHIVEC DD statement.

0385 **NO INPUT RECORDS TO RELOAD, ALL FILES ARE EMPTY**

Explanation: No records were found for any valid file during reload processing. The run is abended because the sequential data set was empty.

0386 **VOLSPEC ENTRY WITH SELECTION TYPE (ccc) IS INVALID: CORRECT AND RERUN**

Explanation: An invalid disposition type specification was detected during the edit of the current RETVOLSPEC table during retention control processing. Correct the table and resubmit the job.

0387 **(ddd) ON (vvv) BYPASSED, REASON = (rrr)**

Explanation: Data set (ddd) on volume (vvv) was not processed as requested for the reason indicated. Processing continues with the next data set. If the reason is "DISK ARCHIVES NOT ALLOWED", the file was rejected from processing because it is a SAMS:Disk disk archive data set. SAMS:Disk does not allow processing of these files with RETAIN. See Section 7, Archive Management, in the User's Guide for techniques on managing these files.

0390 **UNCATALOG MACRO FAILED, RC= (nnn), FOR DELETED ARCHVOLS RECORD: VOL= (vvv), DSN= (ddd)**

Explanation: The attempt to uncatalog the data set name in the ARCHVOLS record for the merged archive tape failed. The return code is displayed as a numeric value and the volume of the involved tape is also indicated.

0391 **GDG DSN = (ddd) ON (vvv) NOT MIGRATED: CONFLICT: CATALOGED TO (vvv), RESOLVE, RERUN**

Explanation: The sequential generation data group data set was not selected for migration to tape because the system catalog contained a different volume for the data set than that on which the data set was encountered.

0392 **(ddd) NOT CATALOGED TO (vvv), CATALOG RC = (nnn), REG 0 = (nnn), REG 1 = (nnn)**

Explanation: The attempt to catalog the restored data set to the specified volume failed. The contents of registers 0 and 1 are displayed as numeric values. Except for the catalog action, the data set was restored successfully.

0393 **COPY BACK STARTING, VOLUME=(vvv), DSNAME=(ddd)**

Explanation: This message, from the PDS Compress function of SAMS:Disk, is issued for each PDS compressed. It indicates that the data for the PDS has been copied to the intermediate work file and that processing to reload the data is now starting. From this point until message 0240 is issued for the data set, the data set is in an incomplete status. If the job should abend before message 0240 is issued, the PDS is not completely reloaded, and the RELOAD function of PDS compress must be used to restart the data reloading process.

Message 0240 indicates successful compression of the data set. Message 2462 is issued before message 0240. It provides information needed should the RELOAD function be necessary. See documentation for message 2462 for more information.

0394 **(ddd) ON (vvv) NOT ARCHIVED DUE TO PREVIOUS ERRORS**

Explanation: During SAMS:Disk archival of data set (ddd) from volume (vvv), SAMS:Disk encountered errors that prevented the data set from being archived successfully. The data set is not in the SAMS:Disk archives.

See previous error messages for information on the error that caused the problem. Resubmit the job to archive the data set.

0395 **OPEN FAILED; RC = (xxx), VERIFY VOLUME IS ONLINE**

Explanation: An attempt by the DASD EXCP support to open a DCB for processing failed because no UCB was available for the volume. This condition prevents the data set related with the subject volume from being processed.

See subsequent SAMS:Disk messages to determine the name of the PDS in error. Verify the PDS directory is valid. If it is invalid, recreate the PDS or restore it from an earlier version, then rerun the function to process the PDS.

0397 **I/O ERROR READING DIRECTORY, GET RC = (vvv) or I/O ERROR READING DIRECTORY, MISSING EOF**

Explanation: For the first form of the message, SAMS:Disk was returned an I/O error status code while attempting to read a directory block from a PDS. The error code was returned from the SAMS:Disk EXCP access routines. See Appendix A for descriptions of error code meanings. For the second form of the message, the end-of-file mark to indicate the end of the directory was not found.

For both forms of the message, SAMS:Disk processing for the data set is terminated. It has not been processed.

0400 **(ddd) NOT COPIED FROM (vvv) DUE TO ERROR**

Explanation: Data set (ddd) was not migrated from the source volume (vvv) as a result of an error described in a previous message. A flagged entry in the SYSPRINT migration report will appear for this data set.

0401 **SYNAD ENTERED FOR (ddd) ON (vvv)**

Explanation: An I/O error was encountered for data set (ddd) on volume (vvv). It cannot be copied and is flagged as an error on SYSPRINT.

0402 **DCB ABEND (xxx) FOR (ddd) ON (vvv)**

Explanation: A DCB abend exit was taken for data set (ddd) on volume (vvv). The translated hexadecimal code with a trailing zero appears prior to the data set name in the message. The data set is not processed and appears with an error flag on the SYSPRINT listing.

0403 **STOW RETURN CODE (xxx) FOR (ccc) IN (ddd) ON (vvv)**

Explanation: A non-zero return code was encountered when an attempt was made to STOW the directory entry for member (ccc) in data set (ddd). The specified data set is not copied from the source volume (vvv) and is flagged on the SYSPRINT listing.

0405 **BLDL RETURN CODE (xxx) FOR (ccc) IN (ddd) ON (vvv)**

Explanation: PDS (ddd) was not copied because SAMS:Disk encountered a non-zero return code when a BLDL macro was issued for member (ccc) on source volume (vvv). The data set is flagged in the SYSPRINT report.

0406 **(ddd) NOT IN SYSTEM CATALOG: LOCATE RETURN CODE (xxx)**

Explanation: The data set named in a COPY command without the VOLUME keyword cannot be copied because it does not have an entry in the system catalog.

0407 **DATA SET NAME = (ddd) NOT FOUND ON VOLUME = (vvv)**

Explanation: Data set (ddd) does not exist on volume (vvv) specified for the source location. The system catalog is searched for the volume if the VOLUME keyword is not present.

A system OBTAIN macro was issued to retrieve the format-1 DSCB from the VTOC of volume (vvv). OBTAIN indicated the data set name supplied was not found on the volume.

Verify the data set name was spelled correctly and, if the VOLUME parameter was supplied, the volume name is correct. If the volume name was not supplied, ensure the catalog entry is correct for the data set.

0408 **OBTAIN FOR FORMAT-4 DSCB ON (vvv) RETURN CODE (xxx)**

Explanation: The non-zero return code appearing at the end of the message was encountered when an attempt was made to obtain the format-4 DSCB for volume (vvv). This condition is normally an indication of hardware problems with the device upon which the volume resides.

0410 **DEVTYPE RETURN CODE (xxx) FOR DDNAME (ccc)**

Explanation: A non-zero return code was encountered as a consequence of issuing the DEVTYPE macro for a target volume from the list supplied by the TOVOLUMES keyword. This may result from failure to provide a DD statement for a volume in the list.

0411 **RECATALOG OF (ddd) FROM (vvv) TO (ttt) RETURN CODE (xxx)**

Explanation: A non-zero return code was encountered when attempting to recatalog migrated data set (ddd) from source volume (vvv) to target volume (ttt). The return code is explained in the Hitachi Data Management for System Programmers manual. The data set remains migrated on the target volume.

0413 **NUMERIC BLKSIZE PARAMETER EXCEEDS 5 DIGITS: (ttt)**

Explanation: The numeric value supplied as the value of the BLKSIZE keyword in the MIGRATE or COPY command contains more than the five allowable digits.

0414 **INVALID NUMERIC BYTES IN BLKSIZE PARAMETER: (ttt)**

Explanation: The numeric value supplied as the value of the BLKSIZE keyword in the MIGRATE or COPY command contains non-numeric characters.

0415 **INVALID (ccc) FIELD IN (ttt) REBLOCK TABLE ENTRY ccc4**

Explanation: An unacceptable value was encountered in the specified type of field in the indicated reblocking table entry.

0416 **REBLOCK TABLE (ttt) NOT DEFINED**

Explanation: The name of the table specified as the value of the BLKSIZE keyword does not exist in the PARMLIB data set.

0417 **ONE OR MORE REBLOCK ENTRY ERRORS IN TABLE (ttt)**

Explanation: Processing is terminated after processing the last entry of a reblocking table in which one or more erroneous entries were encountered.

0418 **BLKSIZE FOR (ddd) ON (vvv) IS (nnn): FOUND (nnn)**

Explanation: A conflict was detected between the blocksize in the format-1 DSCB and that of the physical blocks found while processing data set (ddd) on volume (vvv).

0420 **INVALID OPTION CODE OF (xxx) PASSED TO MODULE**

Explanation: An OPTION parameter contains an invalid value for the module to which it was passed. This is caused by a logic error in a calling module. Notify the SAMS:Disk Technical Support Center.

0421 **ISAM FORMAT-2 DSCB OBTAIN RC (xxx) FOR (ddd) ON (vvv)**

Explanation: When trying to obtain the format-2 DSCB on volume (vvv), SAMS:Disk encountered a non-zero return code. Data set (ddd) was not processed.

0422 ISAM SYNAD EXCD (xxx) FOR (ddd) ON (vvv)

Explanation: A permanent I/O error was encountered while creating data set (ddd) on target volume (vvv). The DCB exception code bytes are translated for inspection in the message. The appendix of the Hitachi Data Management Macros manual contains an explanation of the possible bits that may be set in the DCBEXCD1 and DCBEXCD2 DCB fields. The data set is not processed.

0423 ISAM INSUFFICIENT SPACE (xxx) FOR (ddd) ON (vvv)

Explanation: Space allocated on target volume (vvv) was exhausted when creating ISAM data set (ddd). The message provides the translated exception code bytes from the DCB. To copy the data set successfully, it must be preallocated with more primary space.

0424 BDAM RECFM U-V WRITE RC (xxx) FOR (ddd) ON (vvv)

Explanation: When SAMS:Disk attempted to write a block to volume (vvv), it encountered a non-zero return code. BDAM data set (ddd) was not processed.

0425 BLOCK (nnn) NOT MODIFIED: INVALID TTR ENCOUNTERED

Explanation: An invalid TTR was encountered while migrating a system catalog data set between unlike device types. The block is copied to the target volume without modification on the assumption that it is a disconnected catalog block. The block number indicated in the message is the actual sequential block number from the beginning of the catalog; that is, the first catalog block is indicated as block 1, not relative block. Check the validity of the copied SYSCTLG after a migration in which one or more erroneous blocks were identified by performing an automated comparison of IEHLIST SYSPRINT data sets for the source and target copies of the SYSCTLG.

0426 BLOCK (nnn) NOT MODIFIED: INVALID ENTRY FOUND

Explanation: Erroneous data was encountered while processing a block of a SYSCTLG data set being copied between unlike device types. The block is copied to the target device without modification. Although the block is probably disconnected, the same post-processing procedure recommended for message 0425 should follow the appearance of one or more of these messages for a SYSCTLG data set.

0427 **(ddd) NOT MIGRATED FROM (vvv): ZERO BLOCKSIZE**

Explanation: Data set (ddd) on volume (vvv) was not processed because the DS1BLKL field in the format-1 DSCB is zero.

0428 **(ddd) NOT MIGRATED FROM (vvv) TO (vvv): SAME VOLUME**

Explanation: No action was taken on data set (ddd) because volume (vvv) for the source data set was the same volume as for the target data set (vvv). The DASD migration does not support a move in place.

0429 **(ddd) MIGRATED FROM (vvv) TO (ttt) WITH EXCEPTION**

Explanation: SAMS:Disk did not complete processing of data set (ddd). Previous messages indicate the condition which caused this action. The target volume copy of the data set is intact (vvv), but no catalog or scratch action is taken. Examples include invalid blocks in SYSCTLGS, and BDAM data sets being moved between incompatible device types.

0431 **INVALID DSORG FOR (ddd) ON (vvv)**

Explanation: Data set (ddd) was not migrated from source volume (vvv) because the DSORG field in the format-1 DSCB was not valid.

0432 **(ddd) ON (vvv) ALLOCATED TO ANOTHER TASK**

Explanation: SAMS:Disk is unable to process data set (ddd) on volume (vvv) because it is in use by another task. This condition was detected when SAMS:Disk issued an enqueue for the data set and was returned a condition code indicating it could not obtain control of the data set.

0433 **DEQUEUE FAILURE FOR (ddd) ON (vvv)**

Explanation: The task is abnormally terminated because a dequeue attempt failed for data set (ddd) on volume (vvv) subsequent to a successful enqueue operation. Forward the dump to the SAMS:Disk Technical Support Center.

0435 **BLOCKSIZE NOT A MULTIPLE OF RECORD LENGTH**

Explanation: A physical block was encountered by the reblock input module which was not a multiple of the logical record length for a data set with RECFM=FB. The following message will name the data set not processed.

0437 **CATALOG ACTION FAILED FOR (ddd) ON VOL=(vvv), CATALOG RETURN CODE=(xx)**

Explanation: SAMS:Disk encountered a non-zero return code when attempting to catalog a data set which was either renamed or not cataloged to the source volume. The return code at the end of the message is documented in the Hitachi Data Management for System Programmers manual.

0439 **(ddd) ON (vvv) UNCATALOG RETURN CODE (xxx)**

Explanation: Data set (ddd) was copied successfully with the NEWNAME keyword, but it could not be uncataloged from the source volume (vvv). Refer to the Hitachi Data Management for System Programmers manual for an explanation of the non-zero return code which appears as the last message field.

0441 **DYNAMIC ALLOC FAILED: RC = x(xxx), ERROR CODE = (hhhh), INFO = (iiii)**

Explanation: SAMS:Disk was attempting to dynamically allocate a data set when an unexpected return code was returned from the system dynamic allocate routine.

See Appendix A and/or Hitachi Job Management manual for SVC 99 return codes.

0450 **(ddd) ON (vvv) WAS NOT RESTORED DUE TO PREVIOUS ERROR(S)**

Explanation: Data set (ddd) could not be restored to volume (vvv) because of errors described in previous message(s). Processing continues with the next data set.

0455 **OPEN FAILURE, VERIFY DD STATEMENT FOR DDNAME (nnn) PROCESSING TERMINATED**

Explanation: SAMS:Disk was unable to open the data set or file referenced by data set name (nnn). The data set name is either missing or information for the file is in error.

Determine the cause of the problem, correct it, and resubmit the job.

0458 **MEMBER (mmm) WAS NOT ARCHIVED AND CANNOT BE RESTORED**

Explanation: For partitioned data sets archived by SAMS:Disk prior to Release 7.5, a directory entry was archived for the archived data set for which no data was present on the archive tape. This is caused by having specified a member list when the data set was archived or backed up.

0461 **VSAM DELETE FAILED FOR (ddd)**

Explanation: SAMS:Disk VSAM processing attempted to delete the named cluster (ddd), but the delete action failed. This message is followed by message 2546, which describes the actual condition returned by catalog management.

If in message 2546 the return code is 50 and the reason code is 18, consider using sysparm VSNOSCRO to circumvent this problem. Refer to Section 4, Sysparms, in the Systems Guide for more information.

0462 **ARCHIVE0 and ARCHIVEC DD STATEMENTS MUST SPECIFY DIFFERENT DSNAMES (FOR GDG OPTION OR ARCHIVAL TO DISK)**

Explanation: The data set names placed in the main and copy archive data set name parameters must be unique when the sysparm is specified for automatic cataloging of GDG data set names for the archive data sets. This is necessary to prevent the assignment of the same relative generation number to two different data sets.

If the main and the copy archive data sets are being written to disk rather than tape, the names must be unique in case they are on the same volume(s); that is duplicate names are not allowed in a DASD VTOC. Correct the values of sysparms ARC0NAME and ARCCNAME.

0465 **DATA SET NAME APPEARS TO BE EMPTY**

Explanation: The data set indicated appears to SAMS:Disk to be empty. This message is informational. SAMS:Disk will automatically archive empty data sets. Specify sysparm ARCEMPTY with a value of N to exclude empty data sets from being archived.

0470 **RETAIN COMMAND BYPASSED: SIMULATE, DEFER AND ONLINE PARAMETERS MUST BE THE SAME AS ON THE FIRST COMMAND**

Explanation: SAMS:Disk requires keywords SIMULATE, DEFER and ONLINE to be employed consistently in all commands specified in one execution of retention control.

To vary these parameters, run separate executions of this function.

0472 **(ddd) ON (vvv) NOT SELECTED: (ccc)**

Explanation: When a MIGRATE command is being processed, this message is displayed for each data set not selected. The reason for bypassing the respective data set appears as the last field in the message. Data sets excluded through the use of the DSNAMES keyword will not be printed with this message.

0475 **REJECTED FOR USERID (uuu) BY INSTALLATION EXIT**

Explanation: The SAMS:Disk command entered through TSS command processing installation standards indicate the user is not authorized to perform the requested function.

See your DASD manager for reasons why the command was not accepted for processing.

0476 **(ddd) IS NOT CATALOGED TO PSEUDO VOLUME ARCIVE. SYSCTLG PARAMETER IS SPECIFIED**

Explanation: When the SYSCTLG parameter is specified during restore, the data set (ddd) being restored must be cataloged to ARCIVE for processing to continue. The SYSCTLG parameter was added to the command structure of DMSAR for deferred requests.

0477 **NO SPACE ON TARGET VOLUME(S) FOR (ddd), REQUESTED = (nnn), AVAILABLE = (nnn)**

Explanation: When none of the volume(s) in the TOVOLUME list has sufficient space for a data set, this message appears.

0478 **NO DATA SETS SELECTED FOR MIGRATION OR COPY**

Explanation: No data sets met the criteria to be selected for copying or migrating. Re specify the command statements and resubmit the job.

0479 **INCORRECT DSORG FOR PREALLOCATION OF (ddd) ON (vvv)**

Explanation: Data set (ddd) was not copied to volume (vvv) with a preallocation because the format-1 DSCB on the target volume did not have the same DSORG as the corresponding source volume format-1 DSCB.

0480 **RECATALOG DISPOSITION FOR (ddd) HAS BEEN IGNORED BECAUSE THE DATA SET WAS NOT ARCHIVED**

Explanation: This message is printed as a result of a SAMS:Disk internal logic error. Contact the SAMS:Disk Technical Support Center if this message is received.

0481 **(ddd) ON VOLUME (vvv) NOT ARCHIVED, RECFM= FS OR FBS DATA SET MUST HAVE NON-ZERO BLOCKSIZE**

Explanation: Data set (ddd) has a spanned record format. It also has a blocksize of zero. SAMS:Disk cannot process data sets with these attributes. Either set the blocksize to a non-zero value or exclude the data set from processing by SAMS:Disk.

0482 **PREALLOCATED DSCB FOR (ddd) ON (vvv): OBTAIN RC = (xxx)**

Explanation: When SAMS:Disk tried to obtain the format-1 DSCB for data set (ddd), it encountered a non-zero return code and the data set was not processed. Refer to the Hitachi DADSM PLM for an explanation of the return codes.

0483 **FILES DATA SET NAME TO BE USED IN TSO IS = (ddd) PARMLIB DATA SET NAME TO BE USED IN TSO IS = (ttt) DMS SVC NUMBER TO BE USED IS = (nnn)**

Explanation: This message is generated when a user updates member DMSPARMS to add or change the names of the data sets used by the TSS and ISPF features. It is an informational message only.

- (ddd) is the files data set name
- (ttt) is the PARMLIB data set name
- (nnn) is the SAMS:Disk SVC NUMBER specified

0486 **NO DATA SETS SELECTED FOR RELEASE**

Explanation: This informational message from the Idle Space Release function informs you that no data sets met your selection criteria. Modify (correct) your selection criteria and resubmit the request.

0487 **DATA SET NAME ON (vvv) NOT SELECTED - (xxx)**

Explanation: SAMS:Disk Idle Space Release processing has rejected data set (ddd) for processing because of the reason stated in variable field (xxx). Correct the situation causing the data set to be bypassed and resubmit the job.

0490 **RELEASE FOR DATA SET FAILED, VOL= (vvv), DSNAME=(ddd), REASON CODE = (XX)**

OPEN FOR DATA SET FAILED, VOL= (vvv), DSNAME=(ddd)

CLOSE FOR DATA SET FAILED, VOL= (vvv), DSNAME=(ddd)

Explanation: One of the three messages listed above will be issued to indicate that either an open or close failed during the SAMS:Disk attempt to release idle space for a data set, or an error was returned from the PARTREL macro.

Previous messages may also have been issued which will provide more information concerning the error. You should also consult the JSS JCL messages or Hitachi's VOS3/SA System—Data Administration manual for an explanation of the reason code returned from the PARTREL macro.

0491 **(ddd) ON (vvv) NOT RELEASED - IN USE**

Explanation: Data set (ddd) on volume (vvv) was in use by another job at the time the space release was attempted. Therefore the data set was bypassed and processing continued.

0493 **(ddd) ON (vvv) NOT RELEASED - DSORG NOT PO OR PS**

Explanation: SAMS:Disk processing encountered a data set with a DSORG that was invalid for Idle Space Release. The data set was bypassed and processing continued.

0495 **VOLSER (vvv) REJECTED - rrrr**
TAPE ALREADY IN USE BY DMS
TAPE IS IN ANOTHER DMS POOL
TAPE ALREADY IN DMS ARCHIVES

Explanation: An update to one of the SAMS:Disk tape pools being used has failed for volume (vvv) because of the reason given in one of the variable texts.

0498 **JCL VOLUME LIMIT OF 5 ALLOWS VOLUMES (vvv)**

Explanation: The ARCHIVE0 or ARCHIVEC DD statement has more than five volume serials specified in it. SAMS:Disk currently supports a maximum of five volume serials. Only the volumes (vvv) printed in the message will be honored during this execution of SAMS:Disk.

0499 **DD DUMMY NOT ALLOWED FOR (nnn)**

Explanation: SAMS:Disk does not allow the ARCHIVE0 DD statement to be specified as DUMMY. This is a safety feature to ensure that data sets are not accidentally scratched without backup.

Specify the DD statements as they are shown in Section 18, JCL DD Statements, in the User's Guide.

0500 **NO ARCHVOLS RECORD FOUND FOR VOLUME (vvv)**

Explanation: The DSNINDEX record for an archived data set indicates that the archived copy of the data set exists on archive volume (vvv) but no corresponding ARCHVOLS record is available for the volume.

SAMS:Disk cannot successfully mount the archive tape volume. If the volume still exists and is valid, use the SAMS:Disk purge and rebuild functions to rebuild the proper files data set entries for it. If the tape is not available, use the SAMS:Disk purge function to purge all SAMS:Disk references to it.

0501 **NO DATA SETS WRITTEN TO ARCHIVE VOLUME (vvv)**
DSN (ddd)

Explanation: The archive volume (vvv) has had no data written to it. The data set name (ddd) is the name of the archive data set.

This condition usually occurs if SAMS:Disk is requested to archive only one data set and encounters an I/O error while processing it. If the output archive volume is a tape, it is returned to "scratch" status. If it is a disk volume, the unused output data set is deleted.

0503 **MSS IS NOT ACTIVE, REQVOL = (vvv)**

Explanation: SAMS:Disk has been requested to process a virtual volume (Mass Storage), but found that the mass storage subsystem was not active. The command was bypassed. Resubmit the request when MSS is again active.

This message is also issued if the user has requested that a real volume be accessed that is not mounted on the system at the time of the SAMS:Disk execution. If this is the case, mount the volume and rerun SAMS:Disk. Verify the spelling of the volume requested.

0504 **BAD RC FOR VOL = (vvv); (rrr), (ccc)**

Explanation: During a SAMS:Disk attempt to locate mass storage (MSS) volume (vvv), an unexpected error has occurred. The volume was not located successfully.

The following fields from the message can be used to determine the exact nature of the problem. They are from the Mass Storage Access SVC (SVC12).

- (rrr) = SVC 126 return code
- (ccc) = SVC 126 reason code

0507 **PDS CONTAINS ERROR IN DIRECTORY DATA: PDS IN ERROR IS DSNAME = (ddd) LOCATED ON DASD VOLUME = (vvv)**

Explanation: SAMS:Disk encountered an invalid directory block while processing a PDS directory. This can be caused by many circumstances. Additional messages follow which will help determine the nature of the error. In certain cases the directory block in error will be dumped to the messages data set to aid in problem debugging. The correct format of PDS directory blocks and entries is described in the Hitachi Data Management Services manual. Correct the PDS directory and rerun the SAMS:Disk function to process the data set.

NOTE: If “WARNING” is printed as the first part of the message, SAMS:Disk will attempt to process the data set with the condition noted.

0513 **(ddd) ON (vvv), MEMBER (mmm), TTRN (aaaa), COUNT (b)**

Explanation: PDS data set (ddd) on volser (vvv) has a member (mmm) with a notelist that is the wrong size. The user ttr value is ttrn (aaaa) and the count is (b).

This message occurred because the user ttrn is invalid. Either there is no notelist, or the N in TTRN is the wrong size. The notelist size should be four times the N in TTRN.

Delete and recreate the member, or zap the correct value into the PDS directory.

0522 **ARCHVOLS VOLUME (vvv) DSNAME (ddd) FILE NO (nnn) INVALID**

Explanation: In reading archive volume (vvv), SAMS:Disk has determined that data set (ddd) is invalid. The file number of the data set on the tape is also printed (nnn). Disable the primary tape copy and use the duplicate copy to recover or restore the data set. This problem is usually caused by a malfunction of the tape drive when the tape is created.

0524 **(ddd) ON (vvv) NOT RELOADED, BAD DIRECTORY BLOCK PREALLOCATE EMPTY DATA SET AND RELOAD AGAIN**

Explanation: An I/O error has prevented PDS Compress from reloading PDS (ddd) on volume (vvv). The work file is still intact. To restore the PDS, reload the PDS into a different allocation.

See Section 10, PDS Compression, in the User's Guide for details of how to use the PDS Compress Reload command.

0525 **(ddd) ON (vvv) NOT RELOADED: BAD DIRECTORY BLOCK DETECTED AFTER RELOAD COMPLETED**

Explanation: During a PDS Compress, SAMS:Disk encountered an I/O error while reloading PDS (ddd) on volume (vvv). The work file is still intact. To restore the PDS, reload the PDS into a different allocation.

See Section 10, PDS Compression, in the User's Guide for details of how to use the PDS Compress Reload command.

0526 **COPY TAPE (vvv) DSN = (ddd) FOR PRIMARY TAPE (xxx) SUCCESSFULLY CREATED**

Explanation: This message informs the user of the relationship between new copy tapes and the original archive tapes. Copy tape (vvv) has been created from primary tape (xxx).

0528 **(ddd) ON (vvv) IS EMPTY: ONLY ALLOCATED ON (bbb)**

Explanation: Source data set (ddd) on volume (vvv) was empty. An equivalent data set has been allocated on the target volume (bbb) but no data has been copied.

0532 **TTR STEPDOWN ERROR (LOGIC), FOUND TTR = (ttt) EXPECTED TTR = (ttt), MBR TTR = (ttt)**

Explanation: An unexpected TTR value has been found while processing a PDS note list block. The TTR entries are not in sequence by TTR as they are required to be. The data set is bypassed. The member in error can be determined through the use of the IEHLIST-LISTPDS utility.

0533 **AT TTR = (ttt) RECORD IS GREATER THAN BLOCKSIZE, MBR TTR = (ttt)**

Explanation: A PDS member data block at the specified TTR is larger than the blocksize assigned to the data set. The PDS attributes may be invalid and portions of the data set unusable. Verify the validity of the data set. The member in error can be determined through the use of the IEHLIST-LISTPDS utility.

0534 **ERROR READING MEMBER DATA AT TTR = (ttt)**

Explanation: Additional messages explain the nature of the error encountered. The member in error can be determined through the use of the IEHLIST-LISTPDS utility.

0535 **LOGIC ERROR, TTR CONVERSION VALUE NOT FOUND IN (rr) TABLE, TTR = (ttt), MBR TTR = (ttt)**

Explanation: SAMS:Disk found an unexpected TTR value while processing a PDS note list block. The member in error can be determined through the use of the IEHLIST-LISTPDS utility.

0536 **USER TTR RELATIVE RECORD TABLE EXCEEDED WHILE PROCESSING TTR = (ttt)**

Explanation: The capacity of a SAMS:Disk internal table for holding user TTRs of PDS directory entries has been exceeded. See also the previous 2141 message. Increase the value of SAMS:Disk sysparm PDSRRMAX and run the task again.

0537 **I/O ERROR DURING WRITE AT TTR = (ttt) RESULT = (nnn), MBR TTR = (ttt)**

Explanation: The track being written may be defective. See additional messages for clarification of error. Resubmit the request. The member being processed at the time of the failure can be identified through the IEHLIST-LISTPDS utility.

0538 **ERROR WRITING EOF RECORD, RESULT = (nn)**

Explanation: An unexpected condition has occurred. Contact the SAMS:Disk Technical Support Center.

0540 **EXCP PROCESSING ERROR, RESULT = (xxx)**

Explanation: A result code of 8 implies no input record was found. A result code of 16 implies an I/O error occurred. Additional messages describing the error should also be present.

0543 **INPUT FILE OPEN FAILED FOR DSN = (ddd) ON VOLUME = (vvv), RESULT = (nnn)**

Explanation: Data set (ddd) on volume (vvv) is probably in error and cannot be processed. Correct the status of the data set and resubmit the request.

0544 **OUTPUT FILE OPEN FAILED FOR DSN = (ddd) ON VOLUME = (vvv), RESULT = (nnn)**

Explanation: Data set (ddd) on volume (vvv) is in error and cannot be processed. See previous error messages to determine the cause of the open error. Correct the status of the data set and resubmit the request.

0547 **ERROR WRITING DIRECTORY BLOCK, RESULT = (nnn)**

Explanation: EXCP processing encountered an output error while writing a PDS directory block. If other messages do not clarify the reason for the error, contact the SAMS:Disk Technical Support Center.

0548 **ERROR PROCESSING PDS DIRECTORY, RESULT = (nnn)**

Explanation: An analysis of the entries within the PDS directory detected non-standard conditions. Correct the PDS data set and resubmit the request.

0549 **INVALID LENGTH DIRECTORY BLOCK, RESULT = (nnn)**

Explanation: The PDS has an invalid directory block and cannot be processed. Correct the PDS and resubmit the request.

0550 **NO REPORT RECORDS WRITTEN TO THE (ddd) DD DATA SET**

Explanation: No report detail data has been generated because of the report commands entered.

Verify that all selection criteria on the report is correct and valid. Pay special attention to the data set name and volume parameters. The selection qualification has caused all potential data sets scanned to be rejected for reporting.

0551 **RECATALOG OF (ddd) TO (vvv) FAILED: R15 = (xxxx), R0 = (yyyy): CONSULT IBM CATALOG MACRO RETURN CODES**

Explanation: During an attempt to catalog data set (ddd) to volume (vvv), SAMS:Disk encountered a catalog error from catalog management routines. The contents of registers 15 and 0 indicate the nature of the error. The data set remains uncataloged.

Appendix A of this manual lists some of the common catalog error codes. Also consult the Hitachi message manual for JSC0009I-S to interpret the values of R15 (Hitachi return code) and R0 (Hitachi reason code).

Catalog the data set through use of standard Hitachi utilities.

0552 **UNCATALOG OF (ddd) FROM (vvv) FAILED: R15 = (xxxx), R0 = (yyyy): CONSULT IBM CATALOG MACRO RETURN CODES**

Explanation: Catalog management routines returned an error return code to SAMS:Disk as a result of a request to uncatalog data set (ddd) from volume (vvv). The data set has not been uncataloged.

To determine the reason for the catalog processing error, use the value of register 15 (xxxx) and register 0 (yyyy) to look up the description in Appendix A of this manual. Also consult the Hitachi message manual for JSC0009I-S to interpret the values of R15 (Hitachi return code) and R0 (Hitachi reason code).

Uncatalog the data set manually using standard Hitachi utilities.

0554 **(ddd) ON (vvv) NOT COMPRESSED: MEMBER (mmm) HAS MISSING NOTE LIST RECORD: NOTETTR = (ttt), RC = (xxx)**

Explanation: The member named (mmm) in the PDS named (ddd) has a member with an incorrect format. The member should be deleted from the PDS and re-created properly.

The TTR (ttt) is the one in the directory entry that is incorrect. It probably points to a data block outside the member, or even the PDS.

0555 **(ddd) ON (vvv): NO BLOCKS COULD BE ALLOCATED: SOURCE BLOCKSIZE INCOMPATIBLE**

Explanation: The blocksize for data set (ddd) will not fit on a track of the device type of volume (vvv). If the data set organization permits, specify that the data set be reblocked to a compatible blocksize.

0556 **(ddd) ON (vvv): NO BLOCKS COULD BE ALLOCATED ON TARGET: BLOCKSIZE INCOMPATIBLE**

Explanation: The blocksize for data set (ddd) will not fit on a track of the device type of volume (vvv). If the data set organization permits, specify that the data set be reblocked to a compatible blocksize.

0563 **(ddd) ON (vvv) NOT ALLOCATED RC=nn, ERR=nnnn, INF=nnnn**

Explanation: SAMS:Disk tried to dynamically allocate data set (ddd) on volume (vvv), but failed. The reason it failed is contained in the error codes printed with this message (RC=nn, ERR=nnnn, INF=nnnn). See Hitachi Manual XXX System Programming Library: Job Management for the meanings of these dynamic allocation error reason codes (XXX = your operating system). SAMS:Disk continues processing.

0564 **OBTAIN OF PREALLOC DSCB FOR (ddd) ON (vvv): RC = (rrr)**

Explanation: During a restore to an existing data set allocation on volume (vvv), SAMS:Disk was unable to retrieve the VTOC entry for the data set from the volume. Return code (rrr) is the error code returned from the OBTAIN macro used to retrieve it. Verify that the data set exists on the specified volume. Appendix A of this manual contains OBTAIN return code explanations to further aid in problem determination.

When SMS controlled data sets are restored to an explicitly named volume, this message is preceded by dynamic allocation errors that indicate a duplicate data set. If sysparm RESCRCAT is specified with the default value of N, this condition will occur. If the sysparm is specified with a value of Y, the data set will be restored under SMS control.

For cases where SMS controlled data sets are being restored to an explicitly named volume, this message is preceeded by dynamic allocation errors indicating an existing duplicate data set. If sysparm RESCRCAT is set to N, the default, this condition will occur. If the sysparm is set to Y, the data set will be restored under SMS control.

0566 **(ddd) ON (vvv), KEY = (kkk) REPORT = (rrr): INVALID DIRECTORY BLOCK**

Explanation: The VTOC entry for data set (ddd) on volume (vvv) indicated the data set was a PDS, but an incorrect directory block was found in it during processing.

Use Hitachi or other utilities to verify the data set is a PDS of correct format. Re-create or reload an older valid version of the PDS to correct the problem.

0568 **ddd) NOT PROCESSED: CAPACITY OF ARCHIVE DATA SET EXCEEDED**

Explanation: SAMS:Disk was unable to process data set (ddd) because it would not fit on the archive output data set. SAMS:Disk supports up to 35 output volumes per individual data set being archived.

If archiving to tape or 6485 cartridges, the size of the data set being processed indicated that it would require more than 35 volumes. If archiving to disk, SAMS:Disk selected 1 to 35 volumes with sufficient space, but during the archive run, some other task used the space on those volumes. Bypass the data set, or

- ensure the data set will fit on 35 volumes by increasing tape density or length used.
- ensure that the diskpool volumes have adequate space to hold the data set.

0575 **ERROR IN OPEN FOR SOURCE DATA SET (ddd) ON (vvv), DATA SET IS BYPASSED**

Explanation: Message is self-explanatory.

0577 **INCREASE SETTING OF UCBALLOC SYSPARM OR SUPPLY MORE (An) DD STATEMENTS.**

Explanation: The current SAMS:Disk function requires the allocation of more volumes than are available to SAMS:Disk.

Under VOS3 operating systems, the number of volumes available is controlled by sysparm UCBALLOC. Increase the value of the sysparm by one or more and resubmit the job.

Under some non-VOS3 operating systems, the number of volumes available is controlled by the number of (An) DD statements. Supply one or more additional (An) DD statements and resubmit the job. See Section 18, JCL DD Statements, in the User's Guide for an example to help determine the correct format and number of DD statements required.

0579 **SUPPLY A (xxx) TYPE DD STATEMENT AND RESUBMIT**

Explanation: See message 0577 for explanation.

0580 **VOL = (vvv) IS NEITHER REAL OR ONLINE NOR IN MASS STORE**

Explanation: SAMS:Disk could not locate volume (vvv) on the system. Verify the volume serial is correct and is available to SAMS:Disk during execution.

See associated messages to determine SAMS:Disk's action based on this error.

0581 **ERROR READING DIRECTORY BLOCK, RESULT=(nnn)**

Explanation: An unexpected condition has been encountered. If additional messages do not clarify the nature of the error, contact the SAMS:Disk Technical Support Center.

0582 **VOLUME = (vvv) BYPASSED, Dn TYPE DD STATEMENT FOR VOLUME IS MISSING, OR MAX NUMBER OF Dn OR An ENTRIES EXCEEDED**

Explanation: In the non-VOS3 and non-SAMS:Disk-SVC environment, //Dn type DD statements must be provided for each volume to be processed. If a //Dn type DD statement is present, the combined limit of 20 //Dn and //An statements per step has been exceeded. Either supply the correct DD statement or break the job into two or more steps to reduce the number of DD statements to 20 or fewer.

0586 **LSPACE FUNCTION FAILED FOR VOLUME (vvv), RETURN CODE (xxx)**

Explanation: The MIGRATE command uses the LSPACE SVC to determine if a single extent exists on the target volume (vvv) to contain the data set. The LSPACE SVC itself has failed with the specified return code. Processing continues as if no space were available on the target volume.

0587 **TIOT ENTRY NOT FOUND FOR VOLUME (vvv)**

Explanation: The occurrence of this message indicates an internal logic problem. Contact the SAMS:Disk Technical Support Center. Processing continues as if the volume were available but completely full. No new data sets can be migrated to the volume.

0588 **COMMAND REJECTED: CYL AND TRACK PARAMETERS ARE MUTUALLY EXCLUSIVE**

Explanation: The Move/Copy command statement included both the CYL and TRK parameters, which are mutually exclusive. Processing continues with the next command. Correct the command statement in error and resubmit the job.

0589 **COMMAND REJECTED: PREALLOC PARAMETER AND MULTIPLE TARGET VOLUMES ARE MUTUALLY EXCLUSIVE**

Explanation: SAMS:Disk will not search multiple target volumes to determine if a preallocated data set exists on any of them. When the PREALLOC parameter is present, only one target volume is permitted. Correct the command statement and resubmit the job.

0590 **LOCATE FAILED FOR (ddd) ON (vvv): DATA SET WAS NOT MIGRATED**

Explanation: When SAMS:Disk attempted to determine the catalog status of data set (ddd) on volume (vvv), it encountered a return code greater than 8. Since a catalog problem may exist, the scratch and catalog actions requested are bypassed. Specify NOCATALOG action to copy the data set.

0592 **(ddd) ON (vvv) NOT COMPRESSED**

Explanation: This message indicates that the data set (ddd) on volume (vvv) was not successfully compressed by the SAMS:Disk PDS Compress function. This message is preceded by other messages indicating why the data set was not processed successfully.

0594 **PROCESSING FOR PDS (ddd) TERMINATED DUE TO MAXIMUM MEMBERS IN ERROR**

Explanation: While attempting to compress data set (ddd), SAMS:Disk encountered one or more unrecoverable errors during member processing.

SAMS:Disk will continue processing until a maximum number of errors are encountered. This message indicates that processing has terminated for a data set when an unacceptable number of errors were encountered.

See previous error messages for information on what errors were encountered.

0595 **ARCHIVE REQUEST BYPASSED: DSNAME IS NOT CATALOGED, VOLUME WAS NOT PROVIDED: DSN = (ddd)**

Explanation: SAMS:Disk could not archive data set (ddd) because it was not cataloged and the name of the DASD volume on which it resides was not supplied on the ARCHIVE command.

Verify that the data set name is correct, that it exists on a DASD volume, and supply the name of the volume with the VOLUME parameter in the ARCHIVE command. Then rerun the command.

0596 **DATA SET ARCHIVED PRIOR TO KEY-RANGE SUPPORT (ddd) RESTORED WITHOUT KEY-RANGE ATTRIBUTES**

Explanation: During restore processing, data set (ddd) could not be restored with its KEY-RANGE attribute because it had been archived prior to Release 8 of SAMS:Disk, when this capability was provided. The data set will be restored without its KEY-RANGE attribute.

0597 **SPECIFIED BUFFER SPACE - (bbb) TOO SMALL FOR CLUSTER CISIZE VSAM DEFAULT VALUE USED FOR DSN = (ddd)**

Explanation: The buffer space value (bbb) for data set (ddd) is too small for the control interval size of the cluster. This could be caused if the value specified in the catalog information for the cluster was incorrect at archive time or an incorrect value was specified for the BUFFERSPACE parameter at restore time.

This value cannot be less than the amount of space needed to contain two data component control intervals and, if the data set is key-sequenced, one index control interval. Processing will continue using the minimum value required, as calculated by VSAM, as the buffer space value.

0601 **OPEN FAILED ON TARGET VOLUME FOR (ddd) ON (vvv): DATA SET IS BYPASSED**

Explanation: Message is self-explanatory.

0602 **OBTAIN FAILED FOR DSCB AT ADDRESS (aaa) RC=(cc)**

Explanation: SAMS:Disk encountered an error while requesting the data set control block at address (aaa). The combination of the return code (ccc) and previous messages should indicate the exact cause of the problem.

0603 **VTOC NOT ARCHIVED FOR (vvv) DUE TO ERROR**

Explanation: SAMS:Disk encountered an error while trying to archive the VTOC for volume (vvv) as requested on the user command. See one or more previous error messages for a description of the exact error encountered. SAMS:Disk continues processing with the next data set. Correct the error and rerun the command.

0604 **UNIT EXCEPTION ON ARCHIVE OR COPY TAPE: STATUS = (sss) ECB = (eee)**

Explanation: SAMS:Disk has encountered an I/O error while processing an archive tape volume. Processing for the tape volume has been terminated.

The CSW unit and channel status bits (sss) are displayed from the IOBSTBYT field (offset x'12' in the IOB), and the appendage codes for abnormal channel end conditions (eee) are displayed from the IOBCCW field (offset x'28' in the IOB). See your system programmer to determine the nature of the error.

0607 **ERROR IN READ OF MSS GROUP RECORD (nnn), RC = (xxx), REASON = (rrr)**

Explanation: SAMS:Disk was returned an error return code from system mass storage processing routines. SAMS:Disk was attempting to obtain information about mass storage volume group (nnn).

The mass storage routines have returned a return code of (xxx) and reason code (rrr). Refer to mass storage manuals for an explanation of the error based on the return and reason codes returned.

0608 **ERROR IN SEQUENTIAL READ OF MSS VOLUME RECORD (nnn), RC = (xxx), REASON = (rrr)**

Explanation: SAMS:Disk was returned an error return code from system mass storage processing routines. SAMS:Disk was attempting to obtain information about mass storage volume group (nnn).

The mass storage routines have returned a return code of (xxx) and reason code (rrr). Refer to mass storage manuals for an explanation of the error based on the return and reason codes returned.

The mass storage processing routine used here is invoked through the SYSTEMS SVC 12 (rrr) is the error return code placed in register 15 by the SVC.

0610 **COMMAND WITH MSS PARM REQUIRES VOLUME PARM**

Explanation: SAMS:Disk requires that the VOLUME parameter be supplied for all mass storage processing requests. To process all volumes of a mass storage group, specify VOLUME=(1) .

0615 **MSS VOLUME (vvv) FLAGGED AS INACTIVE: NOT PROCESSED**

Explanation: A user request has caused SAMS:Disk to attempt to process a mass storage volume (vvv), but when SAMS:Disk found the volume information it was marked inactive. Processing for the volume is bypassed.

To process the volume, have it activated by the person responsible for mass storage volume management.

0616 **MASS STORE REQUEST NOT VALID ON NON-MVS SYSTEM**

Explanation: SAMS:Disk does not support processing of mass storage devices on non-VOS3 operating systems. The request has been ignored.

0617 **MASS STORE NOT AVAILABLE**

Explanation: SAMS:Disk has been given a request to process a mass storage device but it was found that a mass storage system was not active on the CPU at the time of the request.

Rerun SAMS:Disk when mass storage systems are active or remove command information that requires it.

0618 **ERROR IN READ OF MSS VOLUME (vvv), RC = (xxx), REASON = (rrr)**

Explanation: SAMS:Disk was returned an error return code from mass storage processing routines while attempting to read mass storage volume (vvv).

The mass storage routines have returned a return code of (xxx) and a reason code of (rrr). Refer to mass store manuals for an explanation of the error based on the codes returned.

0619 DISPOSE OF DEFERRED REQUEST FOR (ddd) ON (vvv) BYPASSED: VOLUME NOT AVAILABLE

Explanation: During processing of deferred requests (DARCHIVE or DRESTORE commands), SAMS:Disk was unable to process a request successfully. The volume (vvv) was not found online to the system on which SAMS:Disk was being run, and data set (ddd) was bypassed.

If the volume serial is valid, mount it on the system and rerun SAMS:Disk. If it is not available or incorrect, specify the correct volume name in the VOLUME parameter for the request.

0621 FILE REQUEST OF (xxx) FAILED FOR DSN = (ddd)

Explanation: SAMS:Disk was attempting to update the DSNINDEX file of the files data set and an error occurred. (ddd) is the name of the archive data set for which the error occurred. (xxx) is the action being taken for the data set. The following is a list of valid action codes:

SI : insert record into files data set
SD : delete record
SR : replace record
RU : retrieve specific record
RN : retrieve next record in sequence

SAMS:Disk abends with a user abend after this error is encountered. This is to prevent any damage to the files data set. See previous error messages for more information about the error encountered. If you cannot determine the cause of the problem, contact the SAMS:Disk Technical Support Center.

0623 TAPE WRITE ERROR, ECB = (eee), STATUS = (sss), SENSE = (xxx)

Explanation: SAMS:Disk has encountered an I/O error while processing an archive tape volume. Processing for the tape volume has been terminated.

Access method CSW status bytes and ECB return codes indicate more information about the error. See your system programmer to determine the nature of the error.

SAMS:Disk will dismount this tape and restart processing of the data set from the beginning on a new tape volume.

0624 **BACKSPACE ERROR**

Explanation: During SAMS:Disk's attempt to position to the beginning of a data set on an archive tape volume, a backspace error has occurred. This error occurs when a hardware device (tape drive) either fails to backspace to a previous block on the tape or backs up an incorrect number of blocks.

If this error occurs during archive tape creation, all data sets written to this tape prior to the error are good.

0625 **(ddd) NOT ARCHIVED FROM (vvv): INVALID DIRECTORY**

Explanation: The PDS (ddd) was not archived from volume (vvv). SAMS:Disk terminated processing for the data set when a directory block with an invalid format was found.

Either the directory block was greater than 256 bytes in length or the lengths of every entry in the block do not equal the total length.

The PDS is probably invalid. Verify the directory format. Either fix the data in error or re-create the PDS from earlier backup versions.

0628 **UPDATE TO FILES DATA SET FAILED, SUBFILE = (xxx)**

Explanation: SAMS:Disk was attempting to update the files data set when an error return code was returned from the files data set interface routines. This should not normally happen. An error condition exists on the files data set. Attempt to reorganize the files data set by using the REORG procedure provided.

0645 ***WARNING** DA data set (ddd) ON (vvv) RESTORED TO DEVICE SMALLER THAN ORIGINAL**

Explanation: During a BSAM (non-EXCP) restore of a data set, the target volume for the restore was found to have a track size smaller than the volume from which it was originally archived. This is an informational message only.

0700 **ENTRIES FOR VOL=(vvv) ALREADY EXIST. THE VOLUME MUST BE PURGED BEFORE A REBUILD CAN BE DONE.**

Explanation: Before executing the REBUILD utility, you must purge the existing volume (vvv) from your files data set.

0701 **MEMBER (mmm) IN DSN (ddd) HAS DATA BLOCK (bbb) BYTES, BUT BLKSIZE = (sss): PDS MAY BE IN ERROR**

Explanation: While processing PDS (ddd), SAMS:Disk has found a physical block containing a greater number of characters than is indicated by the blocksize. Member (mmm) is in error. The block has (bbb) bytes but the BLKSIZE of the data set is (sss).

To correct the problem, either correct the blocksize of the data set or re-create the member with a correct blocksize.

0702 **RESTORE OF DSN=(ddd) IS NOT PERMITTED. IT MAY INVALIDATE FUTURE VOLUME RECOVERY FOR VOL=(vvv).**

Explanation: SAMS:Disk has been requested to restore the SAMS:Disk archived VTOC for a DASD volume. Restore of this data set (ddd) on volume (vvv) is bypassed and processing continues.

If you want to use the information in the VTOC for some other purpose, use SAMS:Disk's NEWNAME parameter to restore it with a different name.

0704 **NO ENTRY IN RETVOLSPEC MEMBER IN PARMLIB FOR VOLUME (vvv)**

Explanation: The RETVOLSPEC member of PARMLIB did not contain either a fully qualified or generic volume entry for the volume which was included in the retention control scan.

0705 **ARCHIVE/BACKUP FAILED FOR DSN=(ddd) NAME IS RESERVED FOR DMS INTERNAL USE**

Explanation: During archive or backup processing, SAMS:Disk bypassed data set (ddd) because its name is reserved for SAMS:Disk internal use. See the "General Restrictions" of the User's Guide for a list of reserved data set names.

0720 **TARGET DATA SET IS FULL, ALLOCATED DATA SET MUST HAVE SUFFICIENT SPACE ALLOCATED IN PRIMARY EXTENT TO HOLD ALL DATA**

Explanation: This message can be caused by two different situations:

- A user has preallocated a data set to be used by SAMS:Disk and its space allocation is too small to hold the data being moved to it.
- SAMS:Disk has miscalculated the space required for the data set. This miscalculation is due to short blocks that exist in the original data set. This calculation is normally done only during data set reblocking or during conversion to new device types.

If the data set was preallocated, scratch it and allocate it again with more space. If SAMS:Disk is allocating the data set (too small), specify values for sysparms ADPCTPDS, ADPCTOTH, and/or ADTRACKS to cause a sufficient space increase, then resubmit the request.

0721 **ERROR READING INPUT DATA SET, PROCESSING TERMINATED**

Explanation: SAMS:Disk encountered an I/O error while processing an input data set.

See previous error messages for information about the error encountered. See subsequent messages for information about the data set being processed when the error was encountered.

0722 **ERROR CONVERTING CATALOG BLOCK TTR POINTERS, RESULT = (xxxx)**

Explanation: SAMS:Disk has encountered errors during conversion of catalog block TTR pointers. See previous error messages for more information about the exact error encountered.

The value (xxxx) is a SAMS:Disk internal return code and can be used by SAMS:Disk Technical Support staff if needed. Correct the errors explained by previous messages and then rerun SAMS:Disk against the catalog.

0723 **ERROR WRITING TARGET DATA SET, PROCESSING TERMINATED**

Explanation: SAMS:Disk has encountered an I/O error while processing an output data set. Previous error messages explain the nature of the error and subsequent messages indicate the data set being processed during the error.

Processing has been discontinued for the data set.

0724 **DATA SET (ddd) ON VOLUME (vvv) WAS NOT PROCESSED DUE TO PASSWORD PROTECTION**

Explanation: SAMS:Disk has bypassed processing for data set (ddd) on volume (vvv) because it is password-protected. User command parameters and SAMS:Disk system parameters indicate that one of the following conditions has caused SAMS:Disk to bypass the data set:

- PASSWORD command parameter was not specified.
- Sysparm PASSWORD was not specified with a value of Y.

0725 **DATA SET (ddd) ON VOLUME (vvv) WAS NOT PROCESSED DUE TO RACF INDICATION**

Explanation: SAMS:Disk has bypassed processing for data set (ddd) on DASD volume (vvv) because it is RACF-indicated. SAMS:Disk sysparm RACFPROC controls SAMS:Disk processing of RACF-indicated data sets. See the description of sysparms RACFPROC and RACFSUPP in Section 4, Sysparms, in the Systems Guide for more details.

0726 **DATA SET ALLOCATION ERROR, VOLUME = (vvv), DSNAME = (ddd) (ccc) ALLOCATE RETURN CODE IS (rrr), SEE (mmm) FOR EXPLANATION**

Explanation: SAMS:Disk has been returned an error return code from the systems allocate routines. Processing for data set (ddd) on volume (vvv) is terminated, but may be attempted on other volumes.

The allocate routine (SVC 32) has returned error code (rrr); (ccc) is the optional descriptive text of the allocate error; (mmm) is the name of the manual containing more information.

For more information about allocate return codes, see Appendix A in this manual.

0729 **CATALOG LOCATE ERROR, DSNAME = (ddd), LOCATE ERROR CODE (nnn): (ccc)**

Explanation: SAMS:Disk has been returned an error return code from system catalog locate routines. SAMS:Disk was trying to determine the volume(s) on which DSN (ddd) resided; (ccc) indicates the nature of the error.

If the data set name is not cataloged, specify the volume serial on which it resides through the VOLUME parameter of the SAMS:Disk command being processed.

0730 **FILEDEFN TABLE SPECIFIES (nnn) MAXIMUM RECORD COUNT FOR FILE (ccc): THE LIMIT HAS BEEN SET TO (xxx)**

Explanation: An incorrect FILEDEFN table entry has been found. This is a WARNING message issued by SAMS:Disk. The maximum record count field is (xxx). The value specified is (nnn).

SAMS:Disk has reset the value to (xxx) and continues processing. Correct the entry to avoid printing this message.

0731 **SCRATCH ERROR, DSNAME = (ddd) VOLUME = (vvv), SCRATCH ERROR (nnn): (ccc)**

Explanation: SAMS:Disk has been returned an error return code from system scratch routines. SAMS:Disk was attempting to scratch data set (ddd) from volume (vvv). The scratch failed with return code (nnn); (ccc) is a brief description of why the scratch failed. See Appendix A in this manual for more information about scratch error codes.

To clean up after the scratch failure, manually scratch the data set using standard Hitachi utilities.

0732 **(ccc)c**

Explanation: This message explains why a scratch has failed for a data set name on a volume. (ccc)c is the explanation of the error and the DSN and volume involved.

Correct the problem displayed and resubmit the SAMS:Disk command for the appropriate data set.

0733 **DIRECTORY ENTRY FOR MEMBER AT TTR = (ttt) CONTAINS A USER TTR POINTER OF TTR = (nnn), MEMBER DATA DOES NOT CONTAIN BLOCK WITH THAT TTR ADDRESS, DIRECTORY OR MEMBER DATA IS IN ERROR**

Explanation: SAMS:Disk has found a member in the PDS being processed that contains incorrect data. The member at TTR address (ttt) has a user TTR found in the directory that points to a record outside the PDS. TTR (nnn) is the TTR value that is invalid.

To determine the name of the member in error, use the SAMS:Disk POTTRD report to list each member and its associated TTR value. Find the member with a TTR value of (ttt) in the list.

Either correct or re-create the member in error.

0738 **PDS DATA SET IS UCC CONTROLLED, IT WILL BE REJECTED BY DMS PDS PROCESSING**

Explanation: SAMS:Disk has encountered a PDS data set created by the software product UCC6. Since this is not a PDS with a standard format, it cannot be successfully processed by SAMS:Disk. Process the PDS using UCC6 utilities. SAMS:Disk will always bypass the data set.

To cause SAMS:Disk to process the data set anyway, see sysparm UCC6CPDS.

0741 **FORMAT-1 DSCB FOR DSN = (ddd) WAS NOT FOUND ON VOL = (vvv), NOT MIGRATED**

Explanation: SAMS:Disk was unable to find the VTOC entry for data set (ddd) on volume (vvv). The data set was not processed successfully. If in explicit mode (MIGRATE), verify the data set name is spelled correctly and exists on the specified volume.

If in the implicit mode (SCAN), the data set may have been scratched during VTOC SCAN processing. If this is the case, ignore this message; the data set no longer exists.

2000 **UNABLE TO OPEN INPUT FILE**

Explanation: SAMS:Disk is unable to open the SYSIN DD statement which should contain command statements. See other associated messages for reasons why the OPEN failed.

2001 **CHECK FOR MISSING SYSIN DD STATEMENT**

Explanation: SAMS:Disk could not find the SYSIN DD statement that should contain SAMS:Disk command statements. Verify that command statements do exist. If this function is being invoked from a multistep JCL procedure, ensure that the commands are being input to the correct step. This may require a DD statement to direct it to the proper step (that is, //STEPNAME.SYSIN DD *).

2003 **COMMAND REJECTED: (kkk) IS NOT A VALID COMMAND NAME**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error. The command name (kkk) is not a valid command name for the function being executed. Verify the following conditions are correct:

- A valid command name was entered on the command.
- The command name is spelled correctly.
- The SAMS:Disk function associated with the command is being properly invoked.
- No characters appear before the command name in the input stream record.

SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2004 **COMMAND REJECTED: PARAMETER (vvv) IS NOT SPECIFIED AND IS REQUIRED FOR COMMAND (kkk)**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error. The command name (kkk) has an associated required parameter (vvv) and it is not specified. Supply the parameter if it is missing. If it appears to be on the command, verify the following conditions are correct:

- The parameter name is spelled correctly.
- If it is continued on multiple commands, verify the continuation rules have been followed.
- No spaces are found within the command parameter data unless they are within quotes. The command name is the one you intended to execute.
- The SAMS:Disk function is the one you intended to execute.

SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2005 **COMMAND REJECTED: COMMAND NAME CONTAINS AN INVALID ALPHA CHARACTER (nnn)**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error. The command name (nnn) is not a valid command name for the function being executed. Verify the following conditions are correct:

- A valid command name was entered on the command.
- The command name is spelled correctly.
- The SAMS:Disk function associated with the command is being properly invoked.
- No characters appear before the command name in the input stream record.

SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2006 **COMMAND REJECTED: CHARACTER (x) AT CARD COLUMN (nn) IS AN INVALID CHARACTER FOR DMS COMMANDS**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error. The character (x) is not valid for SAMS:Disk command data. Remove it from the SAMS:Disk command or replace it with a valid character. SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2007 **COMMAND REJECTED: TRAILING COMMA ON PREVIOUS COMMAND INDICATES CONTINUATION REQUIRED, BUT NO CONTINUATION CARD WAS FOUND**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error. Verify that continuation rules for the commands entered have been followed. Correct the commands in error. SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2008 **COMMAND REJECTED: DMS DOES NOT ALLOW NON-BLANK CHARACTERS IN COLUMN 72 OF COMMAND STATEMENTS**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error.

SAMS:Disk continuation rules do not require a non-blank character in column 72. It also does not allow the column to contain data. Columns 73 through 80 of the commands entered are not used.

Verify that continuation rules for the commands entered have been followed. SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2009 **COMMAND REJECTED: COMMAND NAME (nnn) IS LONGER THAN MAXIMUM NAME LENGTH OF (xxx)**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error. The command name (nnn) is not a valid command name for the function being executed. Verify the following conditions are correct:

- Command names must be less than (xxx) characters.
- A valid command name was entered on the command.
- The command name is spelled correctly.
- No characters appear before the command name in the input stream record.

SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2010 **COMMAND REJECTED: ERROR IN PARAMETER AT CARD COLUMN (nn) NULL PARAMETERS ARE NOT ALLOWED, REPLACE WITH PROPER VALUE**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error.

A command parameter that requires a value to be supplied has not been supplied a valid value. If the data appears to be correct on the command, verify the following conditions are correct.

- The parameter name is spelled correctly.
- If it is continued on multiple commands, verify the continuation rules have been followed.
- No spaces are found within the command parameter data unless they are within quotes.
- The command name is the one you intended to execute.
- The SAMS:Disk function is the one you intended to execute.

SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2011 **PARAMETER DATA STARTING IN COLUMN (nn) EXCEEDS MAXIMUM LENGTH FOR THIS PARAMETER (xx)**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error. (xx) indicates the column of the first character of the parameter in error or the column just prior to the parameter in error. If more than one command statement was used for the command, the error pertains to the command statement printed just prior to this error message.

The command entered contains an invalid parameter name. Verify the following items are correct:

- The parameter name is spelled correctly.
- If it is continued on multiple commands, verify the continuation rules have been followed.
- No spaces are found within the command parameter data unless they are within quotes.
- The command name is the one you intended to execute.
- The SAMS:Disk function is the one you intended to execute.

SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2012 **COMMAND REJECTED: SUPPLIED PARAMETER (nnn) IS NOT A VALID PARAMETER FOR THE COMMAND NAME SPECIFIED**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error. The command entered contains an invalid parameter name. Verify the following items are correct:

- The parameter name is spelled correctly.
- If it is continued on multiple commands, verify the continuation rules have been followed.
- No spaces are found within the command parameter data unless they are within quotes.
- The command name is the one you intended to execute.
- The SAMS:Disk function is the one you intended to execute.

SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2013 **SYSTEM ERROR: ERROR IN DEFINITION OF COMMAND PROCESSOR CONTROL BLOCKS**

Explanation: This is an internal SAMS:Disk processing error. Contact the SAMS:Disk Technical Support Center for problem resolution. Before contacting the support center, have the following information available:

- JCL listing for the run that failed.
- SAMS:Disk command statements entered.
- SAMS:Disk generated output.
- Supply SYSUDUMP DD statement and, if dump created, have it available.

2014 **COMMAND REJECTED: PARAMETER (nnn) HAS BEEN SPECIFIED MORE THAN ONCE**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error. The command entered contains the same parameter specified twice on the command. Verify:

- The parameter name is spelled correctly.
- If it is continued on multiple commands, verify the continuation rules have been followed. No spaces are found within the command parameter data unless they are within quotes.

SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2015 **COMMAND REJECTED: KEYWORD PARAMETER (nnn) HAS BEEN SPECIFIED WITHOUT A VALUE**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error. A command parameter that requires a value to be supplied has not been supplied a valid value.

If the data appears to be correct on the command, verify the following conditions are correct.

- The parameter name is spelled correctly.
- If it is continued on multiple commands, verify the continuation rules have been followed. No spaces are found within the command parameter data unless they are within quotes.
- The command name is the one you intended to execute.
- The SAMS:Disk function is the one you intended to execute.

SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2016 **COMMAND REJECTED: KEYWORD PARAMETER (nnn) HAS VALUE LIST INCORRECTLY SPECIFIED: VALUES MUST BE SEPARATED BY COMMAS AND SEPARATED BY A RIGHT PARENTHESIS**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error. A command parameter that requires a value to be supplied has not been supplied a valid value. If the data appears to be correct on the command, verify the following conditions are correct.

- The parameter name is spelled correctly.
- If it is continued on multiple commands, verify the continuation rules have been followed.
- No spaces are found within the command parameter data unless they are within quotes.
- The command name is the one you intended to execute.
- The SAMS:Disk function is the one you intended to execute.

SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2017 **COMMAND REJECTED: KEYWORD PARAMETER (nnn) HAS MORE VALUES IN LIST THAN MAXIMUM ALLOWED OF (vvv)**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error. SAMS:Disk allows a value list with (vvv) entries for command parameter (nnn) but more than (vvv) entries have been supplied. Reduce the number of entries to the allowed number. If the data appears to be correct on the command, verify the following conditions are correct.

- The parameter name is spelled correctly.
- If it is continued on multiple commands, verify the continuation rules have been followed.
- No spaces are found within the command parameter data unless they are within quotes.
- The command name is the one you intended to execute.
- The SAMS:Disk function is the one you intended to execute.

SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2018 **COMMAND REJECTED: KEYWORD PARAMETER (nnn) CANNOT SPECIFY A LIST OF VALUES: SPECIFY ONLY ONE VALUE AND REMOVE PARENTHESES**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error. SAMS:Disk only allows one specification of value data for this parameter. The parentheses imply more than one value is supplied. Remove the parentheses and specify only one value. If the data appears to be correct on the command, verify the following conditions are correct.

- The parameter name is spelled correctly.
- If it is continued on multiple commands, verify the continuation rules have been followed.
- No spaces are found within the command parameter data unless they are within quotes.
- The command name is the one you intended to execute.
- The SAMS:Disk function is the one you intended to execute.

SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2019 **COMMAND REJECTED: KEYWORD PARAMETER (nnn) REQUIRES A NUMERIC VALUE: VALUE SPECIFIED IS NOT NUMERIC**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error. Command parameter (nnn) requires numeric data as values specified for it. One or more values are not numeric. If the data appears to be correct on the command, verify the following conditions are correct.

- The parameter name is spelled correctly.
- If it is continued on multiple commands, verify the continuation rules have been followed.
- No spaces are found within the command parameter data unless they are within quotes.
- The command name is the one you intended to execute.
- The SAMS:Disk function is the one you intended to execute.

SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2020 **REMAINING COMMAND STATEMENTS BYPASSED DUE TO ERROR IN MODESET COMMAND**

Explanation: SAMS:Disk has previously detected an error in a MODESET command. Due to the nature of the function of MODESET, no additional commands will be processed. Correct the errors in the MODESET command and rerun the SAMS:Disk job.

2021 **COMMAND REJECTED: SIMPLE PARAMETER (nnn) IS FOLLOWED BY OTHER THAN A COMMA OR A SPACE: NO VALUES CAN BE ASSOCIATED WITH THIS SIMPLE PARAMETER**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error.

A SIMPLE parameter has no values. The parameter (nnn) is a SIMPLE parameter but the user has tried to enter a value for it. The parameter name must either be followed by a comma or a space. If the data appears to be correct on the command, verify the following conditions are correct.

- The parameter name is spelled correctly.
- If it is continued on multiple commands, verify the continuation rules have been followed.
- No spaces are found within the command parameter data unless they are within quotes.

SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2023 **NO VALID COMMANDS WERE ENTERED**

Explanation: The SAMS:Disk command processor has found no valid commands to return to SAMS:Disk processing routines. Either all commands were in error or no commands were supplied through the SYSIN DD statement.

2024 **(nnn) IS AN ALIAS FOR (ddd), UNCAT/RECATALOG ACTION SUPPRESSED SCRATCH ACTION SUPRRESSED**

Explanation: DSNAME (nnn) is an alias for the data set name (ddd). To preserve catalog integrity, SAMS:Disk will not modify catalog alias entities or scratch the data set.

Perform the proper catalog action with Hitachi-supplied utilities.

2025 **(ddd) ON (vvv) WAS NOT DELETED, RC = (xxx)**

Explanation: SAMS:Disk has been returned a error return code from system scratch routines. SAMS:Disk was attempting to scratch data set name (ddd) from volume (vvv). Scratch routines returned an error code of (xxx). See Appendix A of this manual for descriptions of scratch error codes. To recover from this error the user must manually scratch the data set with standard Hitachi utilities.

2026 **DMS SYSTEM PARAMETER VALUES FOLLOW: NAME = (nnn), (rrr), LENGTH = (lll), VALUE = (vvv), END OF SYSTEM PARAMETERS**

Explanation: Through the SYSPARMS system parameter, the user has requested that selected system parameters be listed. The following values are displayed for each system parameter:

- (nnn) : Name of system parameter.
- (rrr) : “Supplied” system parameter has been overridden by user.
- (rrr) : “Default” system parameter not supplied by user; default is being used.
- (lll) : Length of system parameter value.
- (vvv) : Value associated with parameter.

2030 **RELOAD HAS STARTED: IF ABEND OCCURS, USE “RESTART” PROC TO RELOAD FILES DATA SET**

Explanation: This is an informational message to indicate that the reload process of files data set reorganization has begun. If processing abends after this message is issued, use the DMS proc RESTART to restart the reload process.

If the particular abend given results in the countermanding message, “2030 RELOAD HAS NOT YET PROCESSED OR DESTROYED ANY DATA”, you do not need to use the RESTART proc. You may fix the problem and restart the REORG.

2031 **DM175 CALLER REQUESTING (lll) BYTES FROM SYSTEM PARAMETER (nnn), AND MAX PARM LENGTH IS (mmm) BYTES**

Explanation: An internal logic error has been detected by SAMS:Disk. An abend 100 has been invoked. Processing terminated. Contact the SAMS:Disk Technical Support Center for program support.

2032 **SYSTEM PARAMETER (nnn) HAS AN INVALID LENGTH, PARAMETER MUST BE (mmm) BYTES LONG**

Explanation: The user has specified SAMS:Disk system parameter (nnn) in the SYSPARM member of the PARMLIB data set. The sysparm value has more characters than the maximum allowed of (mmm). Correct the sysparm value and rerun the SAMS:Disk job.

See Section 4, Sysparms, in the Systems Guide for information about how to specify each system parameter.

2033 **SYSTEM PARAMETER (nnn) HAS AN INVALID LENGTH, PARAMETER MUST BE (sss) TO (lll) BYTES LONG**

Explanation: The user has specified a SAMS:Disk system parameter (nnn) in the SYSPARM member of the PARMLIB data set. The parameter value has more characters than the maximum allowed of (lll) or has fewer characters than the minimum of (sss).

Correct the sysparm value and rerun the SAMS:Disk job.

See Section 4, Sysparms, in the Systems Guide for information about how to specify each system parameter.

2034 **I/O ERROR UPDATING DIRECTORY, RC = (xxx)**

Explanation: See message 0448 for explanation.

2035 **DIRECTORY BLOCK LENGTH ERROR**

Explanation: For the current data set being processed, a PDS directory block was incorrect in length. Directory blocks are 25 character data blocks with an byte key prefix, totaling 264 bytes in length. Verify the PDS being processed is valid and has the correct format of directory blocks.

2036 **DIRECTORY BLOCK LENGTH EXCEEDS MAXIMUM ALLOWED**

Explanation: While processing a PDS directory, a record length greater than 256 bytes was encountered. SAMS:Disk assumes that the data set has been overwritten and will bypass processing. Ensure that the PDS has been built correctly and has not been overwritten.

2042 **ERROR AFTER MIGRATE: DMS ENCOUNTERED SCRATCH ERROR DURING ATTEMPT TO CLEAN UP REMAINS OF TARGET DATA SET**

Explanation: As described in the previous error message, a scratch error has occurred. The scratch was being done to delete the SAMS:Disk allocated target data set after another error occurred.

No harm has been done. The original data set is left intact, but the target allocation still exists on the target volume. It should be deleted with standard Hitachi utilities.

2043 **DSN = (ddd), IS NOT CATALOGED TO THE VOLUME IT WAS MIGRATED FROM (vvv): IT IS CATALOGED TO VOLUME (xxx), RECATALOG ACTION FOR THE DATA SET WAS BYPASSED**

Explanation: Data set name (ddd) on volume (vvv) is not the primary copy of the data set since another data set with the same name exists on another volume, according to the system catalog. SAMS:Disk will not take catalog action against the data set migrated because it is not the primary copy.

2046 **DSN = (ddd) BYPASSED, REASON = (ccc)**

Explanation: This is an informational message printed during SAMS:Disk sequential migrate to tape processing. The message indicates that data set (ddd) has been bypassed for processing. The value (ccc) indicates why the data set was bypassed.

2047 **COMMAND REJECTED: PARAMETER (nnn) HAS A NUMERIC FIELD VALUE GREATER THAN (vvv)**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have a syntax error.

The parameter (nnn) accepts as input a numeric value. The value cannot be greater than (vvv). It is specified incorrectly. If it appears to be correct on the command, verify the following conditions are correct:

- The parameter name is spelled correctly.
- If it is continued on multiple commands, verify the continuation rules have been followed.
- No spaces are found within the command parameter data unless they are within quotes.
- The command name is the one you intended to execute.
- The SAMS:Disk function is the one you intended to execute.

SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2049 **COMMAND REJECTED: (rrr)**

Explanation: A command input error has been entered. The reason (rrr) indicates the exact nature of the error. SAMS:Disk bypasses the command and continues with the next one.

2050 **SYSTEM PARAMETER GDGDSNCT MUST SPECIFY A NUMERIC VALUE, VALUE (xxx) IS NOT NUMERIC, VALUE 00000020 ASSUMED**

Explanation: SAMS:Disk has determined that the value specified for sysparm GDGDSNCT is invalid. Instead of abnormally terminating processing, SAMS:Disk assumes the value 20 for the sysparm and continues. Correct the sysparm value to solve the problem.

2051 **COMMAND REJECTED: KEYWORD PARAMETER (nnn) MUST BE A STRING OF (vvv) VALID HEX CHARACTERS**

Explanation: SAMS:Disk has rejected a command entered in the input stream (DDNAME = SYSIN). The command was found to have 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.

SAMS:Disk continues processing with the next input command. Correct the command in error and rerun SAMS:Disk for it.

2052 **DSN = (ddd) ON VOL = (vvv) BYPASSED: ITS RELATIVE GENERATION NUMBER CANNOT BE RELIABLY DETERMINED: IT MAY BE IN THE PROCESS OF BEING CREATED: NEITHER IT NOR THE (nnn) GENERATION IS CATALOGED**

Explanation: No catalog entry was found for the GDG data set (ddd) found on volume (vvv). Since no catalog entry was found, SAMS:Disk treats it as if it were not a GDG data set. It is not selected for processing.

Use the EXPLICIT form of the command to process the data set.

2053 **RUN TERMINATED DUE TO SYSTEM PARAMETER FORMAT ERRORS**

Explanation: SAMS:Disk has determined that one or more supplied sysparms are in error and that the sysparm in error was needed for processing. Processing cannot continue; an ABEND 100 is invoked.

Correct the sysparms in error and restart SAMS:Disk. The sysparms in error are either in the SYSPARMS member of the PARMLIB data set or are supplied through the SYSPARMS dd input stream.

2054 **SYSTEM PARAMETER (ppp) MUST SPECIFY A (nnn)-DIGIT NUMERIC VALUE: THE VALUE SPECIFIED (vvv) IS NOT NUMERIC**

Explanation: The user has specified a sysparm (nnn) in the SYSPARM member of the PARMLIB data set. The sysparm must be specified with a (nnn)-digit value. Correct the sysparm and rerun the SAMS:Disk job.

See Section 4, Sysparms, in the Systems Guide for information about how to specify each system parameter.

2055 **(SYSPARMS) SYSTEM PARAMETER HAS A VALUE OTHER THAN S, N, B, OR D: VALUE B IS ASSUMED**

Explanation: The user has specified the system parameter SYSPARMS with an incorrect value. Correct the sysparm and rerun the SAMS:Disk job.

See Section 4, Sysparms, in the Systems Guide for information about how to specify each system parameter.

2056 **PARAMETER ENTERED THROUGH SYSPARMS DD STATEMENT IS IN ERROR: VERIFY THE FORMAT IS CORRECT. PARAMETER VALUE IS (vvv)**

Explanation: A sysparm override supplied through the //SYSPARMS DD statement is in error. The format of the entries must be the system parameter name starting in column 1 and the parameter value starting in column 9. Correct the sysparm and rerun the SAMS:Disk job.

See Section 4, Sysparms, in the Systems Guide for information about specifying each sysparm.

2057 **DSN=(ddd) on VOL=(vvv) BYPASSED. IT CONTAINS USER LABELS WHICH ARE NOT SUPPORTED BY DMS.**

Explanation: The VTOC entry for data set (ddd) on volume (vvv) indicates it contains user labels. As listed under “General Restrictions” in the General Information section of the User’s Guide, SAMS:Disk does not support user labels. Processing for the data set is bypassed.

2058 **SYSPARM DSUTILCF VALUE IS GREATER THAN 4**

Explanation: The DSUTILCF sysparm has been specified incorrectly. Its value must be 0 to 4. See Section 4, Sysparms, in the Systems Guide for a complete description of this sysparm and how to specify it. SAMS:Disk abnormally terminates after this error. Correct the sysparm and resubmit.

2061 **DATA BLOCK LENGTH OF (bbb) EXCEEDS DEVICE TRACK SIZE OF (nnn). THE DATA SET CANNOT BE COPIED TO VOLUME (vvv).**

Explanation: While copying a data set, a block was read whose length (bbb) exceeds the track size (nnn) of the target device volume (vvv). The data set is bypassed and processing continues.

2074 **COMMAND REJECTED - THE PCTSECONDARY OR PCTUSED PARAMETER VALUE IS INVALID.**

Explanation: The value of the PCTSECONDARY parameter on the DSCL RELEASE command must be numeric, between 0 and 100 inclusive. The value of the PCTUSED parameter on the DSCL RELEASE command must be numeric, between 1 and 100 inclusive.

Correct the command statement in error and resubmit the job.

2077 **DSNAME= (ddd) WAS NOT FOUND ON THE SUPPLIED INPUT FILE, EXTRACT UNSUCCESSFUL**

Explanation: Data set (ddd), specified on the EXTRACT command, was not found in the archive data set identified on the SYSUT1 DD statement. The data set name was either misspelled, or the wrong archive data set was provided. Correct the error and resubmit.

2078 **NO “E” TYPE RECORD FOUND FOR DSNAME= (ddd), FILE MAY NOT BE COMPLETELY RESTORED**

Explanation: When SAMS:Disk writes a data set to the archive medium, it indicates the end of each data set by writing an “E” type record. When extracting the data records from the archive medium for data set (ddd), this record was not found, which indicates that the archive medium has been damaged at some point, and the data is now incomplete. All data up to the point of inconsistency has been extracted and may be useful if no other complete copy is available.

2079 **(nnnn) TOTAL RECORDS/BLOCKS WRITTEN TO OUTPUT FILE**

Explanation: This message is issued after message 2078 to provide additional information that may be useful in the recovery of an incomplete data set. It indicates that (nnnn) blocks were extracted successfully. If you have any idea of the number of records or blocks that should have been in the data set, this information may aid in determining the degree of loss due to the damaged archive medium.

2088 UNKNOWN RECORD TYPE - NOT C, 1, R, V OR E

Explanation: During the extract function, SAMS:Disk must interpret and process the various types of logical records that it finds. It has encountered a record type that it does not recognize (other than one of the types listed), which indicates that the archive medium has probably been damaged. Processing terminates at this point with a user 100 abend code. The data set cannot be extracted from the supplied archive medium. A different source will have to be used.

2101 EXTRACT STARTING FOR DSN= (ddd)

Explanation: This message is for informational purposes only, to aid in interpreting any messages that may follow.

2109 BLOCK MISSING IN FILE NUMBER (fff),

Explanation: EXPECTED TO FIND BLOCK (sss), BUT FOUND (nnn)

Upon processing an archive tape block for file number (fff), SAMS:Disk encountered a block internally labeled (nnn) but SAMS:Disk expected to read a block sequentially labeled (sss).

This condition may be caused by an abend of the job that created the archive tape.

2110 ARCHIVE TAPE SCAN ENDED, TOTAL BLOCKS (bbb), TOTAL FILES (ddd), TOTAL LOGICAL RECORDS (rrr)

Explanation: A complete or partial scan of an archive volume has collected totals for the following items:

- data blocks (bbb),
- SAMS:Disk archived data sets (ddd),
- and logical records (rrr).

This information can be used to help recover an archive volume or check for possible damage.

The totals depend upon how the scan is specified. For example, when a scan of the entire archive volume is specified, the logical record total (rrr) reflects all the logical records on the archive volume. But when a scan of part of the archive volume is specified, the logical record total (rrr) reflects only the records on that part of the archive volume.

2111 FIRST RECORD IS NOT CONTROL RECORD

Explanation: During analysis of a SAMS:Disk archive data set, the first record of the data set was not found to be in the format of a SAMS:Disk control record. This may occur for one of three reasons:

- You have not requested the first volume of a multi-volume archive data set.
- The archive data set has been overwritten.
- A SAMS:Disk logic error has occurred.

If the first two reasons have been eliminated, contact the SAMS:Disk Technical Support Center.

2112 NO END OF FILE (RECORD TYPE “E”) FOUND FOR FILE NBR = (nnn). SOME DATA BLOCKS MAY BE MISSING.

Explanation: This warning message indicates that SAMS:Disk could not find the end of an archived data set. The tape or disk archive data set may have been damaged. Use the duplicate copy volume if one is available, or consult Section 7, Problem Analysis/Aids, in the Systems Guide for other recovery alternatives.

2113 FILE NUMBER MISSING, EXPECTED x, FOUND y

Explanation: This warning message indicates that a file was missing from the archive tape. The archive data set has a separate subfile for each archived file. The header record for each subfile has a file sequence number. This message indicates that the expected file number did not exist on the tape. The tape or disk archive is damaged. Use the duplicate copy volume to recover the data set, if one is available, or consult Section 7, Problem Analysis/Aids, in the Systems Guide for other recovery alternatives.

2117 DATA SET NAME NOT ARCHIVED, PRESENTLY CATALOGED TO “VOLUME” INDICATING DATA SET HAS ALREADY BEEN ARCHIVED

Explanation: This message is issued when an archive attempt is made on a data set that has already been archived and recataloged to the pseudo-volume. SAMS:Disk detected this and bypassed the request. If there were other archive requests, they will be processed normally.

The user should either delete the data set from archives and retry the archive or rename the data set and then archive it.

2118 NO DATA SETS SELECTED

Explanation: SAMS:Disk has completed processing without selecting any data sets for processing. The selection criteria specified in command parameters has rejected all data sets scanned. Verify the following items:

- If retain “B” RETVOLSPEC option in use, did any of the data sets have the change bit set on? The change bit is the x’02’ bit in the format-1 DSCB. Field name DS1DSIND (offset 93 decimal). Use IEHLIST LISTVTOC,DUMP to determine this.
- Are the data set names specified spelled correctly?
- Did you forget to put the “/” at the end of a partial data set name being used as a pattern?
- Are the volumes spelled correctly?
- Are the volumes specified on the retain command also specified in the RETVOLSPEC table?
- Is the proper RETVOLSPEC table being used?
- Are there any data sets on the volume?

2121 NO ARCHVOL RECORD FOR VOLSER=(vvv)

Explanation: The MERGE copy utility was executed to make a copy of an existing archive volume, but the VOLSER specified by the user was not found in the archvols subfile of the files data set.

This can occur if the wrong files data set is in use or the volser specified is incorrect.

2122 SYSPARM (nnn) MUST HAVE A VALUE OF Y OR N

Explanation: The sysparm (nnn) requires a specified value of Y or N. It is specified incorrectly. Correct the sysparm and rerun the SAMS:Disk job.

See Section 4, Sysparms, in the Systems Guide for information about how to specify each system parameter.

2130 **SYSPARM (ppp) IS OBSOLETE, REMOVE IT FROM YOUR SYSPARMS MEMBER IN PARMLIB**

Explanation: The sysparm (ppp) was found in the PARMLIB data set. (Member name = SYSPARMS). This sysparm was used in earlier releases of SAMS:Disk but is no longer valid. Its function is obsolete.

This is only a warning message. To eliminate the message, remove the sysparm from the SYSPARMS member of PARMLIB.

2131 **DSN = (ddd) WAS ALREADY CATALOGED TO THE TARGET VOLUME (vvv)**

Explanation: A catalog or recatalog action was not done because data set (ddd) was already cataloged to volume (vvv). Processing continues as if SAMS:Disk had performed the catalog function.

2132 **S(nnn) — (rr) ABEND OCCURRED PROCESSING VOLUME=(vvvvvv), DSNAME=(ddd)**

Explanation: An abend has occurred during SAMS:Disk processing of data set (ddd) on volume (vvvvvv). SAMS:Disk has successfully trapped out the abend, and will attempt to continue with other processing.

To determine the condition associated with the return code, see the Hitachi manual Message Library: System Codes, and examine the ABEND section for the abend code (nnn) and return code (rr). Correct the problem causing the abend, and rerun the task.

2133 **INVALID RECFM FIELD IN DCB**

Explanation: The active job needs to know the format of the data set it is processing and the data set has no valid RECFM (record format) field. The job is terminated. To continue, see that the RECFM field in the DCB for the data set being processed has a valid RECFM value.

2135 **FIND I/O ERROR, RC = (xx): FIND FOR (ccc) FAILED**

Explanation: SAMS:Disk searched a PDS directory for a member, searching by TTR or member name (ccc). No member was found.

Ensure the member exists in the PDS and is correctly formatted for a PDS member.

2136 **UNABLE TO READ DIRECTORY BLOCK FROM PDS, REFER TO DDNAME (ddd)**

Explanation: An error has occurred while attempting to read a directory block from the PDS pointed to by DDNAME (ddd). The PDS is in error. Verify the validity of the PDS:

- Directory blocks do exist.
- The data set is a PDS data set.
- No I/O errors occur.

2137 **INVALID DIRECTORY BLOCK IN PDS, REFER TO DDNAME (ddd)**

Explanation: The PDS pointed to by DDNAME (ddd) contains a directory block error. A directory block has an invalid length. Directory block lengths must be 256 bytes. Correct the directory and rerun the job.

2138 **I/O (SYNAD) ERROR WHILE PROCESSING DATA SET DMS MODULE (mmm) ENCOUNTERED THE ERROR ERROR MESSAGE RETURNED FROM I/O ROUTINE IS: (xxx...)**
DCB ATTRIBUTES ARE - BLKSIZE (bbb) LRECL (lll) RECFM (rrr)

Explanation: An I/O error was encountered while processing a user data set. This message provides information pertinent to the error. The fields displayed are:

- (mmm) : The name of the SAMS:Disk module that intercepted the error and caused this message to be printed.
- (xxx) : A system generated SYNAD message. This message is documented in the Data Management Services Manual in the section “Synad Exit Routines”. Optionally, see the JSS log for the SAMS:Disk run, message JAA000I.
- (bbb) : The blocksize value from the DCB used.
- (lll) : The logical record size value from the DCB.
- (rrr) : The RECFM value from the DCB used.

2141 **AN ERROR HAS OCCURRED WHILE PROCESSING PDS MEMBER = (mmm) AT TTR = (ttt) IN THE PDS**

Explanation: SAMS:Disk has encountered an error while processing the member (mmm) in a PDS. SAMS:Disk cannot successfully process this member. It is located at TTR address (ttt) in the data set. See subsequent error messages for more information about the error and the specific data set in which it was found.

2143 **MEMBER LIST PARAMETER HAS BEEN SUPPLIED FOR A DATA SET THAT IS NOT A PDS, COMMAND REJECTED**

Explanation: ARCHIVE command validation has determined that the data set the user is requesting to be archived is not a PDS data set. The MEMBER parameter has been supplied on the ARCHIVE command and it is only valid for PDS data sets. Remove the MEMBER parameter from the command and reprocess the command.

2144 **ATTEMPT TO PROCESS OTHER THAN FIRST PORTION OF MULTIVOLUME DATA SET: DSN = (ddd) IS A PART (nnn) OF A MULTIVOLUME DATA SET**

Explanation: The user has requested that a multivolume data set be archived. The DSNAME (ddd) is only one portion of a data set that exists on more than one DASD volume. SAMS:Disk will archive only the entire multivolume data set and the data set must be properly cataloged.

Either the catalog information for the data set is incorrect or the VOLUME parameter on the command specified other than the first volume on which the multivolume data set existed.

2145 **EVEN THOUGH A NEEDED CATALOG ACTION FAILED, TARGET DSN = (ddd) HAS BEEN LEFT ON VOL = (vvv) BECAUSE IT WAS PREALLOCATED**

Explanation: Normally, when a new target data set cannot be properly cataloged, the source data set is left intact and the target data set is scratched. If the target data set was preallocated, however, its allocation will be left intact. The reason for the catalog failure should be examined, corrected, and the data set recopied if desired.

2146 **DSN = (ddd) WAS NOT REDUCED BECAUSE SHRINK IS NOT SPECIFIED**

Explanation: The calculation of space used and the requested reallocation percentage indicated that the data set should be reduced in size. Since the SHRINK parameter was not specified however, the original allocation values were used to reallocate the data set.

2147 **BDAM DATA SET (ddd) ON VOLUME (vvv) USES (aaa) ADDRESSING**

Explanation: The BDAM data set (ddd) on volume (vvv) uses either ABSOLUTE CCHH or TTR addressing. Both of these addressing techniques require like device types when copying the data set. Absolute CCHH addressing also requires that the new target data set reside on the exact same cylinder (CC) and head (HH) locations as the source data set. This message is issued for reference in case the special allocation requirements cannot be satisfied.

2148 **A COMPATIBLE TARGET VOLUME WITH SUFFICIENT SPACE COULD NOT BE FOUND FOR DSN = (ddd)**

Explanation: Processing for data set (ddd) is bypassed because all volumes in the target volume list were examined, but none were found suitable. The most common reason is that insufficient free space existed on the volume. Other conditions may have designated one or more target volumes as incompatible, such as:

- Absolute cylinder and head allocation needs could not be satisfied.
- Needed like device types to satisfy addressing BDAM techniques were not found.
- The blocksize of the source data set exceeds the track size of the target device.

Processing continues for the next input data set. A proper target volume should be specified for the named data set and the request resubmitted.

2149 **COMMAND REJECTED: USE OF THE ABSOLUTE PARAMETER ALSO REQUIRES SPECIFICATION OF THE PREALLOC PARAMETER**

Explanation: The ABSOLUTE parameter was specified, implying that a data set requiring absolute cylinder and head addressing is to be processed. The PREALLOC parameter must also be specified after the user has preallocated the data set on the required cylinder and head address of the desired target volume. The entire command is rejected, and processing continues with the next input command.

2150 **ERROR LOCATING VOLUME REQUIRED FOR PROCESSING: VOLUME = (vvv), DATA SET NAME = (ddd)**

Explanation: SAMS:Disk has determined through the system catalog or by input VOLUME parameter data that volume = (vvv) is needed to process data set (ddd). When SAMS:Disk attempted to locate the volume on the system it was running on, an error occurred. The exact nature of the error is indicated in previous error messages.

This message usually occurs when a data set is cataloged to a volume that no longer exists or to an invalid volume name, or when the volume name supplied on the VOLUME parameter of the SAMS:Disk command is not online to the system when SAMS:Disk is running.

Verify the volume name is correct in the catalog or on the SAMS:Disk command parameter. Correct the error and reprocess the command in error.

2151 **VOLUME (vvv) REMOVED FROM TARGET CANDIDATE LIST**

Explanation: Volume (vvv) was named in a list of one or more target volumes for the command being processed. For reasons explained by previous messages, this volume has been removed from the list such that no more attempts will be made to use it.

Processing for the command continues using the remaining candidate target volumes in the list.

2152 **DMS MULTIVOLUME PROCESSING ONLY SUPPORTS DATA SETS CATALOGED ON UP TO (nnn) VOLUMES**

Explanation: A request has been made to process a multivolume data set that consists of more than (nnn) volumes. Current SAMS:Disk support will only process data sets residing on (nnn) volumes or fewer. The data set will not be processed by SAMS:Disk.

2155 **DATA SET NAME = (ddd) IS A MULTIVOLUME DATA SET CATALOGED TO THE FOLLOWING VOLUMES: VOLUME SEQUENCE NUMBER (nnn) IS VOLUME = (vvv) ...**
DMS ENCOUNTERED THE FOLLOWING ERROR WHILE PROCESSING THE DATA SET

Explanation: SAMS:Disk has encountered an error while validating multivolume data set formats. Data set (ddd) is the multivolume data set in error. The second part of this message indicates how the data set is cataloged in the system catalog. One line will be printed for each volume on which the data set exists; (vvv) is the volume name and (nnn) is sequence number of this portion of the data set.

Following this message will be printed one or more messages describing the exact nature of the error encountered.

2157 **ARCHIVE REQUEST FOR DATA SET NAME = (ddd) CANNOT BE SATISFIED BECAUSE IT IS AN UNCATALOGED MULTIVOLUME DATA SET**

Explanation: A request has been made to archive multivolume data set (ddd), but a catalog entry does not exist for it. To ensure integrity of archived data, SAMS:Disk will only process cataloged multivolume data sets.

To process the data set, catalog it.

2158 **COMMAND REJECTED: SIMULATE OR LIVE MODE MUST BE THE SAME AS THAT ESTABLISHED BY THE FIRST VALID COMMAND**

Explanation: The commands in the input stream must all be run in either SIMULATE mode, or all in LIVE mode. They cannot be mixed. The first valid input command sets the mode for the rest of the run. Subsequent commands of a different mode are bypassed.

Processing continues with the next command of the proper mode.

2159 **COMMAND REJECTED: SOURCE VOLUME FOR THE DATA SET CANNOT BE OBTAINED FROM THE CATALOG**

Explanation: The source volume was not provided on the command. SAMS:Disk attempted to obtain the volume from the catalog, but it failed. Messages explaining the error from the catalog search have also been printed. Processing continues with the next input command.

Ensure that the data set name in the command is spelled correctly, provide the proper source volume, and resubmit the request.

2161 **AN ERROR RETURN CODE WAS RETURNED FROM TABLE MANAGEMENT ROUTINES: RETURN CODE = (rrr): REQUESTED FUNCTION = (fff): TABLE NAME = (nnn)**

Explanation: SAMS:Disk internal table management routines have encountered an error during processing for function (fff) on table name (nnn). The return code is also displayed.

Subsequent error messages will be printed indicating the exact nature of the error.

This is an internal SAMS:Disk processing error. Contact the SAMS:Disk Technical Support Center for problem resolution. Before contacting the SAMS:Disk Technical Support Center, have the following information available:

- JCL listing for run that failed.
- SAMS:Disk command statements entered.
- SAMS:Disk generated output.
- Supply SYSUDUMP DD statement and, if dump created, have it available.

If you received this message after recently merging 2 Files data sets together, it may be caused by duplicate keys residing in the ARCHVOLS subfile. Execute the REPARCH Utility to repair the subfile.

2167 **FILE REFERRED TO BY DDNAME (xxx) HAS A BLOCKSIZE VALUE OF ZERO, SPECIFY A BLOCKSIZE FOR IT**

Explanation: SAMS:Disk could not properly process the data set referred to by ddname (xxx) in the JCL for the abending step. After open processing it contained a blocksize value of zero.

This usually occurs when the user has specified DD DUMMY on the JCL for a ddname. If this is the case, specify a BLOCKSIZE parameter in JCL (that is, DD DUMMY,DCB=BLKSIZE=133). Otherwise, change the blocksize of the data set to a value other than zero, or use another data set.

2168 **DMS WAS RETURNED AN ERROR RETURN CODE FROM RACF RACHECK MACRO.**
ERROR CODE = (ccc)
DSN=(ddd), VOLUME=(vvv), ACTION=(aaaa)
CLASS=data set

Explanation: System RACF routines have returned an error return code from the RACHECK macro. SAMS:Disk was attempting to determine if the user was authorized to process data set (ddd) on volume (vvv). The error code with the value (ccc) was not expected.

See the documentation for the RACHECK macro to determine the cause of the error encountered. If it appears to be an internal SAMS:Disk error, contact the SAMS:Disk Technical Support Center for assistance.

2169 ******* WARNING - USER SPECIFIED THRU RACFSUPP SYSPARM TO PROCESS WITH RACF SUPPORT BUT RACF IS NOT ACTIVE ON THE SYSTEM**
RACF-PROTECTED DATA SETS WILL BE BYPASSED

Explanation: SAMS:Disk has used the (RACSTAT) macro to determine if RACF is active on the system on which it is running, but found that RACF was not active. Your installation has indicated through sysparms RACFSUPP and RACFPROC that SAMS:Disk RACF support is active. Since the RACF system is not active, all RACF data sets will be bypassed by SAMS:Disk.

Rerun SAMS:Disk when RACF is active to process those data sets bypassed in this execution.

2171 **DATA SET (ddd) ON VOLUME (vvv) WAS NOT PROCESSED, (sss) ENVIRONMENT IS NOT PROPER**
or
RESOURCE (ddd) NOT AUTHORIZED, (sss) ENVIRONMENT IS NOT PROPER

Explanation: SAMS:Disk is unable to process data set (ddd) on volume (vvv) protected by security package (sss) because of one of the following reasons:

For RACF users.

- RACF is not active on the system.
- Sysparm RACFSUPP is not specified correctly.
- Sysparm RACFPROC is not specified correctly.

2173 **RACF HAS DENIED (aaa) ACCESS TO VOLUME=(vvv), DSNAME=(ddd)**

Explanation: SAMS:Disk RACF support has issued the system RACHECK macro to ask RACF if the user is authorized to process a data set. RACF routines have returned a return code indicating that the user submitting the job is not authorized to process data set name (ddd) on volume (vvv). SAMS:Disk was requesting access level (aaa) for the data set. The RACF class is “data set” and the data set type is non-VSAM.

To process the data set you must either be given the proper authority to do so or have the person(s) authorized to process the data set run the SAMS:Disk job.

2174 **DMS HAS ENCOUNTERED 20 (RACHECK) ERRORS, PROCESSING TERMINATED WITH USER 200 ABEND**

Explanation: Due to the number of RACF errors encountered, SAMS:Disk has abended with a USER 200 abend. To process the data sets, correct the problem causing the error and rerun SAMS:Disk.

2175 **ARCHIVE TAPE DATA BLOCK # (xxx) IS IN ERROR: (ccc) ADDRESS OF LAST GOOD RECORD IN THE BLOCK IS (aaa) LENGTH OF PHYSICAL BLOCK ON TAPE IS (lll)**

Explanation: The archive tape verification utility has encountered an error within an archive tape block. The number of the block on the tape is (xxx). The error explanation is (ccc). Following these messages is a hex dump of the archive tape block in error. Use this dump to determine the significance of the error. See Section 14, Record Formats, in the Systems Guide for further information about the layout of archive tape data blocks. (aaa) is the last good logical record of the archive tape block processed. (lll) is the number of characters of data read from the tape for the block in error.

If an extract of data was being performed, the data following this logical record in the block has not been extracted or passed to the user exit module.

2176 **ERROR LIMIT OF (xxx) REACHED, STEP TERMINATED**

Explanation: SAMS:Disk processing has found more than (xxx) errors on the archive tape being processed and has intentionally ended the verification step. If you desire to process to find additional errors, specify the ERRORMAX command parameter or increase its value.

2177 **ARCHIVE BLOCK NUMBER (nnn) CONTAINS AN ERROR, SEE ERROR LISTING FOR DETAILS**

Explanation: This message is printed in the archive tape verification report prior to the data set name to which it applies. It indicates that an error has been encountered for the data set and that additional details concerning the error are printed in the output file for the MSGPRINT DD statement.

This message usually indicates that data loss has occurred on the archive tape. Switch to the copy tape volume to retrieve proper information from the archives.

2178 **LENGTH OF BLOCK READ IS (xxx) BYTES, BUT BLOCK DESCRIPTOR LENGTH, FROM BLOCK DATA, HAS VALUE OF (yyy)**
ERROR CODE = (eee) VOLUME = (vvv)

Explanation: The read request to return a block from tape has returned a block containing (xxx) characters. When SAMS:Disk wrote the block to the archive tape it placed a halfword block descriptor length (yyy) in the block as the first two characters. These values should match but with this block they do not.

Either the block read is not a valid archive tape block or its length has been changed. The physical block length is incorrect. This may have been caused by processing the tape with non-SAMS:Disk utilities or because of an I/O error. SAMS:Disk will continue to process the tape with the error to report on all possible data.

2179 **DMS WAS RETURNED ERROR RETURN CODE FROM RACF (RACDEF) DEFINE MACRO**
DATA SET NAME = (ddd), CLASS = data set
MVOLSER = (xxx), MENTITY = (yyy)

Explanation: SAMS:Disk RACF processing support was returned an error return code from RACF routines that define new data set profiles. SAMS:Disk was unable to determine the cause of the error. Along with this message are the fields passed to RACF with the define resource request.

The RACDEF macro returned error code (eee) in register 15. The resource was defined in data set (ddd) located on volume (vvv). SAMS:Disk was using the existing resource of data set (yyy) on volume (xxx) as a model to define the new resource.

2181 **SYSPARM RACFUSID IS REQUIRED FOR DMS RACF PROCESSING AND WAS NOT FOUND IN SYSTEM PARAMETER TABLE**

Explanation: The RACFUSID sysparm is used to obtain the SAMS:Disk RACF profile data set name prefix. It is required for all SAMS:Disk functions creating internal SAMS:Disk RACF profiles. Supply it and rerun SAMS:Disk.

See Section 4, Sysparms, in the Systems Guide for an explanation of this sysparm.

2183 RESULT OF (xxx) RETURNED FROM ADSDM078

Explanation: This is an internal SAMS:Disk processing error. Contact the SAMS:Disk Technical Support Center for problem resolution. Before contacting the SAMS:Disk Technical Support Center, have the following information available:

- JCL listing for run that failed.
- SAMS:Disk command statements entered.
- SAMS:Disk generated output.
- Supply SYSUDUMP DD statement and, if dump created, have it available.

2184 FILES INITIALIZATION ENDED WITH ERRORS

Explanation: This message indicates that the request to initialize the files data set has ended without completing its function. See previous error messages for more information about why it did not complete successfully.

2185 FILES INITIALIZATION ENDED SUCCESSFULLY

Explanation: The user has requested that the files data set be initialized and the function has completed successfully. This is an informational message only.

2187 DATA SET NAME = (ddd) WAS NOT RESTORED DUE TO PREVIOUS ERRORS DURING DASD ALLOCATION

Explanation: SAMS:Disk has attempted to restore data set (ddd), but an allocation prevented the restore from completing successfully. Investigate any previous error messages and retry the restore.

2188 DSNAME (ddd) WAS NOT ALLOCATED TO VOLUME (vvv). SECURITY ROUTINES REJECTED ALL POSSIBLE TARGET VOLUMES.

Explanation: SAMS:Disk tried to allocate data set (ddd) to volume (vvv), but the allocation failed because a security routine rejected all possible target volumes.

2190 **REQUEST TO RENAME DATA SET HAS BEEN REJECTED FOR THE FOLLOWING REASON,**
DATA SET HAS BEEN BYPASSED REASON = (ccc)
ORIGINAL DATA SET NAME = (ddd)
REQUEST RENAME TO DSN = (nnn)
ORIGINAL DSN ON VOLUME = (vvv)

RENAME OF PASSWORD-PROTECTED DATA SETS IS NOT ALLOWED
DATA SET HAS BEEN BYPASSED
OLDNAME = (ddd) NEWNAME = (nnn)

RENAME OF RACF-PROTECTED DATA SETS IS NOT ALLOWED
DATA SET HAS BEEN BYPASSED
OLDNAME = (ddd) NEWNAME = (nnn)

Explanation: One of these versions of this message will be issued when SAMS:Disk has rejected a request to rename a data set. Possible causes include:

- The user has requested to rename the data set through the NEWNAME parameter during a Restore or Move/Copy function. SAMS:Disk has rejected the action for the reason specified by (ccc).

- If this is a restore request and the NEWNAME parameter was not specified, the request is rejected because a new name was given to the data set when it was archived. To restore the data set, the original data set name must be used. Rename the data set by using standard Hitachi utilities after it is moved/restored.

- Password-protected data sets and RACF-protected data sets may not be renamed through the NEWNAME parameter without sufficient authority. Include sysparm PASSNEWN or RACFNEWN with a value of Y, and resubmit.

2191 **DATA SET (ddd) WAS NOT RESTORED, IT IS RACF-PROTECTED**

Explanation: SAMS:Disk has not been authorized to process RACF-protected data sets. The restore request entered has been rejected because the VTOC entry for the data set indicated it is RACF-protected.

To restore the data set, your installation must authorize SAMS:Disk to process RACF-protected data sets.

2192 **DMS DOES NOT HAVE DISCRETE PROFILE SAVED AT ARCHIVE TIME FOR DSNAME = (ddd) DMS WILL INSTEAD USE THE MODEL PROFILE VOLUME (vvv), DSNAME (mmm)**

Explanation: During a restore of data set (ddd), which was protected by a RACF discrete profile at archive time, SAMS:Disk found that no SAMS:Disk-saved profile exists. (This condition can be caused by a non-default setting of the SAMS:Disk sysparm RACFBKUP).

In addition, you have set the SAMS:Disk sysparm RACFMODL to tell SAMS:Disk that under this condition you want SAMS:Disk to create a discrete profile for the data set being restored, based on the contents of a specified model discrete profile, data set (mmm) on volume (vvv).

After the restore is complete, you may use RACF utilities to update the profile covering the restored data set to your security requirements.

2193 **DATE SUPPLIED IS IN ERROR: (rrr), DATE = (yyddd), TIME = (hhmm)**

Explanation: The archive date and time passed to a SAMS:Disk translation routine is invalid. Verify the date and time and resubmit the SAMS:Disk request. If this is a SAMS:Disk

RACF-archived profile that is being processed, the date/time portion of the encoded data set name is incorrect.

2194 **DMS RACF PROFILE DATA SET NAME CONTAINS AN INVALID PREFIX AS LEVEL-1 NODE OF DSN**

Explanation: SAMS:Disk has determined that it is processing a SAMS:Disk archive RACF profile data set name by the presence of unprintable characters in the data set name. This encoded data set name has an invalid prefix for SAMS:Disk.

In some cases the data set name may not have been created by SAMS:Disk and is not a SAMS:Disk RACF-archived profile. If this is the case, do not process the profile with SAMS:Disk.

If the profile is a SAMS:Disk RACF-archived profile, verify that the first index of the data set name is eight characters or less. The same prefix should also be specified as the value for sysparm RACFUSID.

2195 **ERROR DECODING DMS RACF DATA SET NAME, IT IS NOT A DMS-ENCODED DATA SET NAME**

Explanation: SAMS:Disk has determined that the profile data set name being processed is a SAMS:Disk archive RACF profile data set name, because it had unprintable characters in the data set name. When SAMS:Disk tried to decode the data set name into a real data set name, archive date and archive time, it encountered an error.

The data set name processed is not a SAMS:Disk-encoded profile data set name. Do not process it with SAMS:Disk. Following this message is a dump of the profile data set name.

2196 **DATA SET NAME PRINTED IN ABOVE MESSAGE IS A DMS RACF-ENCODED DATA SET NAME: ITS DECODED VALUES FOLLOW: ARCHIVED DATA SET NAME = (ddd) ARCHIVED DATE = (mm/dd/yy), TIME = (hh.mm)**

Explanation: The previous message pertains to a SAMS:Disk archive RACF profile data set name. During archive of RACF- protected data sets, SAMS:Disk encodes data set names with the date and time the data set is archived. The encoded data set names are stored in the RACF profile data set. This message describes the values found in the encoded data set name (ddd).

2197 **DMS WAS RETURNED ERROR RETURN CODE FROM RACF RACDEF DELETE MACRO ERROR CODE = (eee), VOLUME = (vvv), DATA SET NAME = (ddd), CLASS = data set**

Explanation: SAMS:Disk RACF processing support was returned an error return code from RACF routines that delete existing data set profiles. SAMS:Disk was unable to determine the cause of the error. Along with this message are the fields passed to RACF with the delete resource request.

The RACDEF macro returned error code (eee) in register 15. The resource being deleted was data set name (ddd), located on volume (vvv).

2199 **(ttt)**

Explanation: This message has been issued by the SCRTCHEX user exit routine. See sysparm SCRTCHEX for information regarding the module name issuing this message.

2200 **TARGET VOL= (vvv) IS AN INCOMPATIBLE DEVICE TYPE FOR BDAM DSN = (ddd)**

Explanation: The BDAM data set (ddd) uses either absolute cylinder and head addressing or relative track addressing, both of which require a like device type to be moved. Absolute addressed data sets also require identical CCHH locations on the target as on the source. Volume (vvv) has been skipped as a possible target volume because these requirements could not be met.

2201 **TARGET VOL (vvv) IS AN INCOMPATIBLE DEVICE TYPE FOR DSN (ddd)**
DATA SET BLOCKSIZE EXCEEDS DEVICE TRACK SIZE
or
TRACK OVERFLOW IS REQUIRED BUT NOT SUPPORTED ON THE DEVICE

Explanation: Unless the record format of a data set specifies the track overflow attribute, a physical data block cannot exceed the physical track size of the device on which it will reside. If the track overflow attribute is present, the device may not support that feature, in which case the second form of the message is issued. See sysparm TRKOVCHG for this latter case.

Volume (vvv) was skipped as a possible target volume for data set (ddd) because of the conflict. Selection of a possible target volume continues with the examination of the next volume in the target list.

2202 **LIVE MODE WILL REQUIRE A PREALLOCATED DATA SET FOR DSN = (ddd)**

Explanation: A preallocated version of data set (ddd) must exist for SAMS:Disk to process this data set. It was not found during this simulate run. Simulate processing continues after issuing this warning message. If the data set is not properly preallocated prior to the live run, the data set will not be copied.

2203 **A REQUIRED PREALLOCATED DATA SET WAS NOT FOUND FOR DSN = (ddd)**

Explanation: A properly preallocated data set is required in order for SAMS:Disk to process data set (ddd). It is bypassed and processing continues for the next data set.

2204 **BDAM DATA SET (ddd) ON VOLUME (vvv) MUST BE ALLOCATED AT (cchh) = CYLINDER/HEAD ADDRESS: PRESENT ALLOCATION IS AT (cchh) = CYLINDER/HEAD ADDRESS**

Explanation: The absolute cylinder and head allocation addresses for BDAM data set (ddd) on volume (vvv) are incorrect. The data set cannot be processed until the correct location addresses are provided. The data set is bypassed, and processing continues for the next data set.

2205 **TARGET VOLUME (vvv) SKIPPED FOR DSN = (ddd): TARGET VOLUME MUST BE DIFFERENT FROM THE SOURCE VOLUME**

Explanation: The source volume (vvv) for data set (ddd) was also found in the list of possible target volumes. An “in-place” copy is not allowed, so processing continues with the examination of the next volume from the target list.

2206 **EVEN THOUGH AN ERROR OCCURRED DURING THE COPY, TARGET DSN = (ddd) HAS BEEN LEFT ON VOL= (vvv) BECAUSE IT WAS PREALLOCATED**

Explanation: This warning message is issued to explain why the unusable portion of data set (ddd) has been left on target volume (vvv). Under most circumstances, the incomplete data set on a target volume is scratched. The source data set is left intact and processing continues for the next data set.

2207 **EXCLUSIVE CONTROL OF DSN = (ddd) COULD NOT BE OBTAINED IN ORDER TO PERFORM NEEDED (CATALOG UPDATE)/(SCRATCH ACTION)**

Explanation: Another task was concurrently using data set (ddd). If SAMS:Disk were to perform the catalog update without exclusive control, data loss may occur.

VOS3 will not allow a data set to be scratched when it is in use by another task, in order to maintain integrity of the data set.

To copy this data set, specify the NOCATALOG and NOSCRATCH parameters, or run the job at a time when no concurrent task is using the data set.

2208 **FORMAT-2 DSCB NOT FOUND ON VOL (vvv) FOR DSN (ddd)**

Explanation: ISAM data set (ddd) has been allocated (or preallocated) on volume (vvv). However, the format-2 DSCB, which contains many of the ISAM data set attributes, cannot be found on the volume. SAMS:Disk does not support multivolume ISAM data sets, which the absence of the format-2 implies.

Either preallocate the target ISAM data set correctly as a single volume data set or scratch it and let SAMS:Disk allocate it on the target volume.

2209 **THE PREALLOCATED DATA SET WAS NOT FOUND FOR DSN = (ddd)**

Explanation: An attempt to allocate data set (ddd) failed with a return code indicating that the data set already exists on the target volume. An attempt was then made to retrieve the existing data set's VTOC entry, but this also failed. This is an extremely unusual condition. The DASD volume involved should be examined for possible VTOC damage/contamination. If there is no damage, try to process the data set again. Otherwise select a different target volume and retry.

2210 REBLOCKING CANNOT BE DONE FOR DSN (ddd): REASON - (ttt)

Explanation: One of the following explanations applies:

- System CVOL catalogs have predefined formats. This format must be maintained in order for the catalog to continue to function correctly.
- Record format is neither FB nor VB. Only those data sets which are currently of a blocked format can be reblocked. Unblocked data sets are not converted to blocked, because application programs may not be designed to handle a block of records where previously only a single record was retrieved.
- Logical records span physical blocks. Support for reblocking data sets with the SPANNED attribute is not provided.
- Either logical record or blocksize is zero. Zero lengths cannot be used to determine new blocking factors to arrive at a new blocksize.
- Directory attributes imply it is a load library. One or more members of the PDS has user TTR fields, which implies that the PDS is a load library. Load libraries have special record format requirements which are not supported for reblocking.
- No reblocking table entry applies. The reblocking table allows for new blocksize values to be specified for various combinations of device types, data set organizations and record formats. An entry could not be found that applied to the device type, DSORG, and RECFM of the named data set.
- No entry in device-dependent table for overhead. Reblocking requires knowledge of the number of overhead bytes used for each data block written on each different device type. This value could not be obtained for the device the named data set resides on. Contact the SAMS:Disk Technical Support Center for further assistance.
- Logical record length exceeds blocksize limit. The maximum blocksize to be used for this data set is smaller than a single logical record, which prevents reblocking.
- Logical record length plus 4 exceeds BLKSZ limit. Similar to the previous explanation, except that the data set has variable-length records rather than fixed, which requires that the blocksize be at least 4 bytes larger than the maximum logical record.

2211 **ALL TARGET VOLUMES ARE INVALID, OR ALL HAVE BEEN DYNAMICALLY REMOVED FROM THE CANDIDATE LIST: PROCESSING FOR THIS COMMAND HAS BEEN TERMINATED PREMATURELY**

Explanation: Processing for any remaining data sets from the one or more source volumes has been skipped because there are no longer any target volumes available. Possible reasons why the list of target volumes has become empty are:

- Volume names were misspelled.
- Volumes are not online (or in mass store).
- The volumes are out of free space.

Ensure that appropriate target volumes are specified and resubmit the job.

2212 **THE FOLLOWING DATA SET IS CATALOGED, BUT NOT TO ANY VOLUMES (ZERO VOLUMES IN THE CATALOG LIST): CORRECT THE CATALOG ENTRY FOR DSN = (ddd)**

Explanation: A catalog locate for data set (ddd) was completed successfully, but no cataloged volumes were returned. The catalog entry is probably in error and should be corrected.

The one case when this condition is to be expected is when a locate is done for the (+1) GDG name. By definition, the (+1) data set name has not yet been cataloged, and locate serves merely to return the properly incremented data set name.

2213 **DATA SET NAME IS OF RELATIVE GDG FORM BUT CANNOT BE RESOLVED TO THE ABSOLUTE NAME: DATA SET NAME = ddd(nn)**

Explanation: Data set name (ddd), which was specified in the command has an appended (nn), implying that it is a relative GDG name. An attempt to convert the relative name to its absolute or true generation name (appended G000XV00) has failed. Verify that:

- The correct name was supplied.
- The GDG index has been built properly.
- The data set exists.

2214 **COMMAND REJECTED: "VERSION" PARAMETER IS INVALID**

Explanation: The VERSION number represents the progressively older copy of a data set as contained in the archives. Similar to relative GDG naming conventions, the most recent (or current) copy in the archives is version zero (0). Valid version numbers are -1 to -99.

Correct the version number and resubmit the request.

2215 **A MEMBER LIST IS NOT SUPPORTED FOR DEFERRED RESTORES: ALL MEMBERS WILL BE PROCESSED**

Explanation: A request was made to place a data set name into the queue of data sets to be restored. The request specified a list of one or more member names.

The queue for holding the deferred restore requests does not contain space for storing the member list. Therefore the entire data set (all members) will be processed. This message is informational only, as processing will continue for the data set.

The list of members is supported only when the request is executed immediately; that is, not placed in the queue.

2216 THE FOLLOWING DATA SET NAME IS INVALID: DSN (ddd), CHARACTER AT POSITION (nn) IS IN ERROR: (variable text explaining the error)

Explanation: The character at position (nn) within data set (ddd) cannot be used. The variable text indicates one of the following:

- Each data set qualifier (node or index) as well as the simple name of the data set must begin with an alphabetic or national character.
- Each qualifier or simple name must be from one to eight characters in length.
- The second through eighth characters must consist of alphabetics, numerics, nationals, hyphens, or plus-zeros (12-0 card punches).
- A data set name cannot end with a period.
- A data set name cannot contain embedded blanks.
- The relative GDG number must start in or after position 2, and in or before position 36. All generation groups require at least a single- character GDG index, hence the position 2 requirement. The absolute generation number with its preceding period occupies nine characters, hence the position 36 requirement in order to fit the absolute name into the maximum 44 characters for a data set name.
- The relative GDG number (the value between the two parentheses) must be numeric.
- The closing parenthesis around a relative GDG number is missing.
- If restoring a non-Hitachi standard data set name, you may need to bypass some of the data set name validation. See the description of sysparm DSNCHECK in Section 4, Sysparms, in the Systems Guide for further information.

2217 **SYSPARM (sss) IS INVALID: CORRECT IT AND RESUBMIT**

Explanation: Sysparm EXPASCOP is used to specify the default scratch action to be taken after an explicit archive. The value appended to the name must be either:

S : for scratch
N : for no scratch

Sysparm ARCATOPT is used to specify the default catalog action to be taken after an explicit archive. The value appended to the name must be either:

U : for uncatalog
N : for no catalog action
R : for recatalog to the SAMS:Disk pseudo-volume

Sysparm EXPARSOP is used to specify the default action to reset the change bit after an explicit archive. The value appended to the name must be either:

Y : for reset it (turn it off)
N : for no reset

For other sysparms, see Section 4, Sysparms, in the Systems Guide for the proper values. Correct the sysparm entry and resubmit the job.

2218 **THE PREVIOUS CATALOG UPDATE FAILURE HAS CAUSED THE SCRATCH OF THE DATA SET TO BE SKIPPED**

Explanation: Processing had called for a change in the catalog status of a data set. A previous message describes the error that occurred during the catalog update attempt. In order to maintain the highest degree of catalog and VTOC synchronization, each scratch request is conditioned upon the success of any accompanying catalog update request. Correct the condition that caused the catalog update failure and resubmit the job.

2219 ***** WARNING *** SOME OF THE RESERVE MACROS FOR FILES INTEGRITY ARE BEING SUPPRESSED - THE USE OF THIS OPTION MAY RESULT IN LOST DATA IN A SHARED DASD ENVIRONMENT**

Explanation: To protect the SAMS:Disk files data set in a shared DASD environment, the RESERVE macro is used to encompass all updates. The installation option to suppress the RESERVES for the function in progress introduces an integrity exposure. Any file updates made concurrently from another CPU may damage the files data set and lead to unpredictable results.

2220 **DATA BLOCK COUNT EXHAUSTED BEFORE END OF BLOCK CHAIN FOR FILE (fff) — (nnn) ADDITIONAL BLOCKS WILL BE READ IN AN ATTEMPT TO FIND**

THE END THE END OF THE BLOCK CHAIN WAS NOT FOUND - PROCESSING TERMINATED FOR FILE=(fff)

Explanation: The number of used data blocks for file (fff) were read. The last block read should indicate that it is indeed the last, but instead it contained a pointer to another block. On the assumption that the block count was wrong, an additional (nnn) blocks will be read. If the end is still not found, processing is terminated for that file.

The files data set has been damaged and should be recovered before proceeding.

2221 **RECORD COUNT WAS IN ERROR FOR THE DATA BLOCK CONTAINING THE EOF**

Explanation: This warning message is issued when the data block containing the logical end of file contained an error in the number of logical records. The user should verify that all records are present before reloading and overlaying the original files data set.

2222 **LOGICAL END OF FILE WAS REACHED PRIOR TO EXHAUSTING THE BLOCK CHAIN OR THE BLOCK COUNT -**
TOTAL BLOCKS=(xxx)
REMAINING BLKS=(yyy)
NEXT BLOCK RBA=(zzz)

Explanation: If the number of remaining blocks is non-zero, the total block count as recorded internally was in error. If the next block RBA is non-zero, the logical end of file may have been in error.

In either case, the unloaded records should be inspected for completeness before reloading and overlaying the original files data set. The files data set may need to be recovered before continuing.

2225 **NOTE: PDS CONTAINS NO MEMBERS, DATA SET NAME = (ddd), VOLUME = (vvv)**

Explanation: During processing SAMS:Disk has encountered a PDS that contains no members. This is an informational message only. No action need be taken.

This message is often encountered when using the PDS compress RELOAD function. This is because the PDS to be reloaded has no members before the reload process begins. In this case the message has no meaning.

2226 **(ttt)**

Explanation: This message has been issued by your user exit routine. The value you have specified in sysparm ALOCATEX is the name of your user exit module which issued the message.

2227 **DATA SET NAME = (ddd) CONTAINS UNPRINTABLE CHARACTERS BUT IS NOT A DMS RACF-ENCODED DATA SET NAME**

Explanation: SAMS:Disk has been requested to process data set name (ddd) as a SAMS:Disk archive RACF profile data set name, but it has an invalid format for SAMS:Disk. It is probably not a SAMS:Disk archive data set profile data set name.

Do not process the data set with SAMS:Disk.

2228 **DELETE OF RACF PROFILE CANNOT BE PROCESSED BECAUSE DMS RACF SUPPORT IS NOT ACTIVE FOR REASON = (rrr)**

Explanation: SAMS:Disk has been requested to delete a profile for a data set, but SAMS:Disk RACF support is not active. (rrr) indicates why SAMS:Disk RACF support is inactive:

- 3 = Sysparm RACFSUPP or RACFPROC has been specified to turn SAMS:Disk RACF support off.
- 4 = RACF is inactive on the system.

2229 **PROFILE FOR PREVIOUS DATA SET NOT DELETED DUE TO THE ERROR ENCOUNTERED**

Explanation: This message follows a SAMS:Disk error message indicating a RACF error has been encountered. Due to the error indicated in the previous message, the requested profile has not been deleted.

2230 **NO VALID COMMANDS HAVE BEEN ENTERED, NO ACTION TAKEN**

Explanation: The SAMS:Disk functions being executed have not processed any valid commands during their execution. SAMS:Disk has not performed any valid operations during this run.

This is an informational message only. It warns the user that nothing has been accomplished during this execution.

2231 **"DATE" or "TIME" PARAMETERS ARE NOT VALID FOR USE WITH RACF PROFILES NOT GENERATED BY DMS**

Explanation: The user has entered a DATE or TIME parameter when processing a RACF profile not generated by SAMS:Disk archive processing. Date and time data is encoded in archive data set profiles and thus is needed to process them. When processing regular data set profiles, do not include these parameters. Remove the DATE and/or TIME parameters from the command and resubmit it for processing.

2232 **"DATE" AND "TIME" PARAMETERS ARE REQUIRED FOR PROCESSING RACF PROFILES GENERATED BY DMS**

Explanation: The user is attempting to process a SAMS:Disk profile generated during archive data set processing. SAMS:Disk profiles have encoded in their data set name the date and time the data set was archived. To select a SAMS:Disk profile for processing, the date and time data is needed. This information is normally retrieved from the SAMS:Disk archive index. If it is not available from that source, it must be entered through the command statement.

Use the SAMS:Disk LISTD command to obtain the date and time the data set was archived, and supply them in the DATE and TIME parameters on the command statement.

2233 **DATE SUPPLIED (ddd) IS IN AN IMPROPER FORMAT OR IS AN INVALID DATE**

Explanation: The date entered on the SAMS:Disk command is not valid. Review the date formats as documented for the command, make the needed correction, and resubmit.

2234 TIME SUPPLIED (ttt) IS INVALID OR NOT NUMERIC

Explanation: The time the data set was archived has been entered incorrectly. It must be specified in hours and minutes format. It should be specified as (hhmm) where (hh) is the hour of the day (24-hour clock) the data set was archived, and (mm) is the minute of the hour. This information may be obtained by using the SAMS:Disk LISTD function to list the time recorded in the SAMS:Disk archive index.

2237 NO DATA SET INDEX RECORD FOR ARCHIVE DATA SET NAME = (ddd)

Explanation: The SAMS:Disk file maintenance utility cannot find an archive data set index record for data set (ddd). The index record is needed to determine the archive date and time to be used when processing the SAMS:Disk profile.

Supply the DATE and TIME command parameters for the data set. If the data set name index record should exist, verify the name is spelled correctly and that the proper files data set is being accessed.

2238 DELETE OF PROFILE FOR DATA SET NAME = (ddd) COMPLETED SUCCESSFULLY

Explanation: The RACF profile for data set name (ddd) has been deleted from the RACF profile data set by the user's request. The command has completed without errors.

2239 CREATE OF PROFILE FOR DATA SET NAME = (ddd) COMPLETED SUCCESSFULLY

Explanation: The RACF profile for data set name (ddd) has been created and placed in the RACF profile data set by the user's request. The command has completed without errors.

2240 VOLUME PARAMETER IS REQUIRED FOR ALL NON-DMS PROFILE DATA SET NAMES THAT ARE NOT CATALOGED, COMMAND REJECTED

Explanation: The SAMS:Disk RACF profile maintenance has been requested to process a RACF profile for a standard data set. The VOLUME parameter was not specified for the data set so SAMS:Disk attempted to retrieve the volume information from the system catalog. Catalog access return codes indicated the data set is not cataloged.

Supply the VOLUME parameter for the command in error. If the data set is cataloged, verify the data set name is spelled correctly.

2241 **"LRECL" AND/OR "BLKSIZE" NOT SPECIFIED IN OUTPUT FILE JCL OR DATA SET, DDNAME = (ddd)**

Explanation: A request has been made to write data to the data set referred to by DDNAME = (ddd). DCB information is required to determine output data characteristics, but no DCB information was found in the VTOC entry for the data set or DD statement JCL. The job terminated with a user 100 abend.

Specify appropriate DCB information in the JCL for the data set. The LRECL and/or BLKSIZE data must be supplied.

2243 **DMS WAS RETURNED ERROR RETURN CODE FROM RACF (ADDVOL) MACRO: ERROR CODE = (eee) VOLUME = (vvv), DATA SET NAME = (ddd), CLASS = data set, MVOLSER = (ooo)**

Explanation: SAMS:Disk RACF processing was returned an error condition from RACF processing routines when an attempt to add an additional volume serial to a data set profile was made.

The RACDEF macro returned a return code of (eee). Volume (ooo) already existed for the profile. profile. Data set (ddd) on volume (ddd) was the resource being processed.

See the Hitachi documentation for the RACF RACDEF macro to determine the meaning of the condition code returned.

2244 **VTOC ENTRY FROM COMPRESS WORK DATA SET WAS NOT FOUND, DDNAME = (compwork), ERROR CODE = (eee)**

Explanation: An obtain error was returned when trying to get VTOC information of the PDS Compress work data set. This data set is pointed to by the COMPWORK DD statement in the COMPRES step of the procedure.

Verify the DD statement is present and points to a data set allocated on a DASD device pointed to by the system catalog.

2245 **ERROR DELETING PROFILE FOR PDS COMPRESS WORK DATA SET, DDNAME = (compwork)**

Explanation: SAMS:Disk has abnormally terminated processing with a user 100 abend because an error was encountered. SAMS:Disk was unable to delete the profile for the PDS Compress work data set referred to by the COMPWORK DD statement. The data set is still protected. Profile cleanup for the data set must be done manually.

See previous error messages for more information concerning the error.

2247 **UNABLE TO ADD VOLUME TO RACF PROFILE OF DATA SET BEING COMPRESSED**

Explanation: SAMS:Disk encountered a problem when attempting to add a volume serial to the RACF profile of the RACF- protected PDS being compressed. The volume serial is being added to the profile to prevent the profile from being scratched when the data set is scratched and reallocated. The volume will be deleted from the profile when the compress is completed.

See previous error messages to determine the cause of the error. The PDS being processed is not damaged and has not been compressed.

2248 **ERROR DELETING DUMMY VOLUME FROM PROFILE FOR DATA SET BEING COMPRESSED**

Explanation: SAMS:Disk added a DUMMY volume to the RACF profile information for the data set being compressed. It has been added to ensure that the original profile information for the data set is not deleted when SAMS:Disk deletes and reallocates the data set to adjust space.

After the compress was complete, SAMS:Disk was unable to delete the DUMMY volume from the profile. See previous error message to determine the exact cause of the delete failure.

2249 **UNABLE TO RE-ADD VOLUME TO DATA SET THAT WAS COMPRESSED, PROFILE IS INCORRECT**

Explanation: SAMS:Disk determined that the data set being processed by PDS Compress needed to have its profile reconnected after the compress was completed. When trying to do an ADDVOL to re-establish the profile data for it, SAMS:Disk encountered an error. See previous error messages for an explanation of the error encountered.

The compress has completed, but the compressed data set no longer has a RACF profile. Its RACF bit in the VTOC entry is still set on, so it may not be accessed until the profile is manually generated for it.

2256 DAIR ERROR - (ddd) - (ttt) RC (nn)

Explanation: The module indicated could not allocate the file indicated by the DDNAME (ddd). The (ttt) indicates the type of error — either allocate or deallocate. The return code (nn) is the reason why the action failed. Refer to the Hitachi manual Writing a Terminal Monitor Program or a Command Processor for the meanings of these return codes. Ensure that the file indicated is either allocated to the terminal or the file name is in DMSPARMS. Refer to the discussion under "TSS Command Processor Installation" in the Installation Guide.

2268 NO DEFERRED ARCHIVE ENTRY IS PENDING FOR THE DATA SET (ddd)

Explanation: A request was submitted to delete a deferred archive entry for data set (ddd), but no entry for that data set name was found. Ensure the data set name was spelled correctly. Do a LISTREQ and ensure the entry exists. This same message is issued even if the archive request has been accomplished (that is, the disposal has run).

2269 NO DEFERRED RESTORE ENTRY IS PENDING FOR THE DATA SET (ddd)

Explanation: A request was submitted to delete a deferred restore entry for data set (ddd), but no entry by that data set name was found. Ensure the data set name was spelled correctly. Do a LISTREQ and ensure the entry exists. This same message is issued even if the restore request has been accomplished (that is, the disposal has run).

2271 REQUIRED DMS DATA SETS COULD NOT BE ALLOCATED

Explanation: The module indicated tried to allocate the SAMS:Disk FILES/PARMLIB data sets specified in DMSPARMS. Refer to the discussion under "TSS Command Processor Installation" in the Installation Guide to resolve this problem.

2273 DEFERRED ARCHIVE REQUEST QUEUED SUCCESSFULLY

Explanation: The user has requested a data set be queued for archival. SAMS:Disk has determined the request is valid and has entered it in the ARCHCMDS subfile to await disposal. No further action is required.

2303 USER TTR IS OUT OF SEQUENCE

Explanation: While processing a PDS directory entry, the user TTR field could not be verified. SAMS:Disk expects user TTR values to be ascending unless the load module has the SCTR attribute. Processing was terminated for the PDS and SAMS:Disk will continue with the next request (RC=8 will be set). The member name is indicated in message 2304, which follows.

2304 ERROR IN MEMBER (mmm)

Explanation: This message names the member for which a previous error message has been issued.

2305 WARNING: DUPLICATE TTR FOR MEMBER

Explanation: While processing a PDS directory, SAMS:Disk encountered a member that has the same TTR value as a previous member. This can happen if a PDS is updated by two separate jobs at the same time. Hitachi recommends specifying “DISP=OLD” whenever a PDS is to be updated. This problem occurs typically if a PDS can be updated by an online system (like TSS). Determine which member is in error and restore that member.

2306 (mmm) WAS NOT RESTORED DUE TO PREVIOUS ERROR

Explanation: Member name (mmm) is in error. See previous message for the reason SAMS:Disk could not process this member. SAMS:Disk will attempt the next member.

2312 INVALID CLUSTER TYPE OF (tt)

Explanation: While attempting to restore a VSAM entity, an invalid cluster type was encountered on the SAMS:Disk input tape. The only type of VSAM component which can be restored is a base cluster (type = C).

2314 INVALID RETURN CODE FROM ADSDB004

Explanation: An invalid return code from ADSDB004 was detected. This is indicative of an internal SAMS:Disk logic error. Contact the SAMS:Disk Technical Support Center for assistance.

2315 **THE FOLLOWING CLUSTER COULD NOT BE DELETED DUE TO DYNAMIC ALLOCATION FAILURE: (ddd)**

Explanation: An error was detected by SAMS:Disk while attempting to allocate VSAM cluster (ddd). Because the cluster could not be allocated, no attempt was made to delete the component. Refer to the preceding message for a description of the exact nature of the allocation failure.

2324 **DATA SET CONTAINS A DISCONNECTED ALIAS. ALIAS NAME = (nnn)**

Explanation: During Move/Copy processing, SAMS:Disk encountered a partitioned data set which resides on a mass storage device that has a disconnected alias. The alias name is (nnn). The data set is identified in an accompanying message. This data set cannot be processed by Move/Copy and is bypassed. To process this data set, reconcile the disconnected alias and resubmit the job.

2344 **(ddd) NOT RECATALOGED FROM (vvv) TO (ttt) - FILE NBR = (nn), NOR WAS IT SCRATCHED FROM (vvv) BECAUSE DMS COULD NOT GET EXCLUSIVE CONTROL OF IT**

Explanation: During disposition processing in sequential migration, SAMS:Disk tried to recatalog the migrated data set (ddd) from the source volume (vvv) to the tape volume (ttt) but failed because it could not get exclusive control of it. Probably some other job or online user had it. The data set was migrated to tape and can be manually recataloged. Because SAMS:Disk could not recatalog the data set, it did not scratch the data set from the source volume (vvv).

2345 **RECATALOG ATTEMPT FOR (ddd) TERMINATED BECAUSE IT SPANS MORE THAN FIVE VOLUMES**

Explanation: SAMS:Disk migrated data set (ddd) that required more than five tape volumes to hold it, but SAMS:Disk can only recatalog up to five volumes. Recatalog the data set manually if it needs to be recataloged. Data set on source volume is still cataloged and has not been scratched.

2346 **ERROR DURING RECATALOGING OF DATA SET NAME = (ddd) TO (vvv) - DEVTYPE = (ttt) REG 15 RETURN CODE (nn), REG 0 REASON CODE (nn)**

Explanation: SAMS:Disk attempted to recatalog data set (ddd) to volume (vvv), which is a device type (ttt), but the recatalog action failed. Refer to Hitachi's OS/XXX Systems Programming Library: Data Management manual for an explanation of the return codes (where xxx stands for your operating system, such as VOS3).

2347 **MULTITAPE VOLUME DATA SET CATALOGED DATA SET NAME = (ddd) TAPE VOLUMES = (vvv)**

Explanation: Data set (ddd) was migrated to tape, but it required two or more tape volumes (vvv). This is an informational message only and no action is required.

2348 **DATA SET NAME (ddd) RECATALOGED FROM (vvv) TO (ttt) FILE SEQUENCE NUMBER = (nn)**

Explanation: SAMS:Disk has successfully recataloged data set (ddd) from volume (vvv) to volume (ttt), with file sequence number (nn). No further action is required.

2349 **DATA SET NAME (ddd) WAS NOT RECATALOGED FROM (vvv) TO (ttt), FILE SEQUENCE NUMBER (nn)**

Explanation: A request to recatalog data set name (ddd) from volume (vvv) to volume (ttt) has failed. An error message preceding this message should explain further why the recatalog failed. Correct the problem and rerun job.

2350 **ERROR DELETING PROFILE FOR PDS DATA SET TO BE RELOADED**

Explanation: The user is trying to reload a PDS to a preallocated space allocation that already has a RACF profile associated with it. To ensure data set integrity, SAMS:Disk needs to delete the profile so the original profile information may be associated with the PDS.

During the attempt to delete the profile information, an error has occurred. See previous error messages for more information concerning the error.

2351 ERROR GENERATING PROFILE FOR DATA SET TO BE RELOADED

Explanation: SAMS:Disk is trying to reload a PDS into an existing data set allocation. The data set being reloaded was RACF-protected. SAMS:Disk is attempting to RACF-protect the target PDS. An error occurred while attempting to add the necessary profile information to the RACF profile data set. See previous error messages for more information concerning the error.

2354 PDS COMPRESS RELOAD FAILED DUE TO REASON SPECIFIED IN PREVIOUS ERROR MESSAGE A USER 200 ABEND HAS BEEN ISSUED TO ENSURE COMPRESS WORK FILE IS NOT SCRATCHED

Explanation: PDS Compress reload processing has ended in error. Previous messages indicate the exact nature of the error encountered. The compress job has abended to prevent JCL parameters from causing the work data set to be deleted. Correct the problems encountered and rerun the reload command to recover the PDS.

2355 INFORMATION FOR DATA SET = (ddd)

Explanation: A request to display RACF profile information for resource name (ddd) has been entered. This message and those immediately following it contain RACF profile information pertaining to the specified resource name. See the appropriate Hitachi Reference Manuals for an explanation of the fields displayed.

2356 ERROR IN PARAMETER DATA, JOB TERMINATED WITH USER 200 ABEND: REASON = (rrr)

Explanation: The module issuing this message requires input parameter data to be specified in the parameter field of the execute statement in the JCL. The data encountered in the execute JCL is incorrect. See the supplied JCL in Section 18, JCL DD Statements, in the User's Guide for the correct format. (rrr) is a brief explanation of the error encountered.

2357 WARNING, NO ARCHIVE VOLUME RECORDS EXIST IN ARCHIVE VOLUME INDEX (ARCHVOLS)

Explanation: The ARCHVOLS subfile of the files data set contains no records. This is probably because no data sets have been archived or all volumes have previously been purged or deleted from the archives. This is a warning message only.

2358 **WARNING, PROCESSING CAN ONLY ACCEPT UP TO (nn) VOLUMES, SOME VOLUMES HAVE BEEN BYPASSED**

Explanation: The SAMS:Disk function currently being executed has a limit of (nn) on the number of volumes that can be processed. This message is issued as a warning to indicate the limit has been reached and some volumes have not been included in the processing.

2359 **——— MESSAGES PERTAINING TO COMMAND NUMBER (nn)**

Explanation: This message indicates that all subsequent messages printed pertain to the (nn)th command entered in the SAMS:Disk input command stream (DD = SYSIN). Its purpose is to help users identify messages and their associated commands.

2360 **PROCESSING COMPLETED WITH CONDITION CODE OF (nn)**

Explanation: The SAMS:Disk function that was requested has been completed with the condition code (nn). This is an informational message only.

2361 **EITHER VOLUME OR DATA SET NAME PARAMETER MUST BE SPECIFIED FOR THIS COMMAND; COMMAND REJECTED**

Explanation: The command entered requires as input either the VOLUME or DSNAME parameter. The command has been bypassed. Enter one of the required parameters and resubmit the command.

2362 **COMMAND REJECTED - LIST PARAMETER MUST CONTAIN VALUE OF NONE, ALL, DATA SET NAME, OR VOLUME**

Explanation: The previous input command has been rejected because the LIST parameter contains an invalid value. Enter one of the values specified on the message and resubmit the command.

2364 **DSN=(ddd), (fff) (yyyy.ddd) (hh.mm), EXPDT=(yyyy.ddd), DELETED FROM VOLUME=(vvv)**

Explanation: The SAMS:Disk DSNINDEX record for the data set (ddd) has been deleted from the archives. The date and time shown is the date and time the data set was archived or backup. The function (fff) is either archive or backup. EXPDT is the date the data set was scheduled to expire, and (vvv) is the archive volume on which the data set resided.

2365 **THE FOLLOWING DSNINDEX RECORD WAS DELETED BECAUSE NO ARCHIVE VOLUME RECORD EXISTED FOR IT**

Explanation: SAMS:Disk has detected an error condition in the files data set. A record for an archived data set points to an archive volume that no longer exists as part of the archives. The data set cannot be restored because SAMS:Disk does not have access to the archive volume. Subsequent messages indicate the data set name and archive volume in error.

If the archive volume does exist in your tape library, you may use the REBUILD function to re-create index entries in the DSNINDEX, so the data set may be restored when needed. SAMS:Disk has deleted the DSNINDEX record in error. The error condition no longer exists in the files data set.

2366 **NO ARCHIVE INDEX RECORD WAS FOUND FOR ARCHIVE TAPE VOLUME = (vvv), WARNING - DELETE FAILED FOR THIS ARCHIVE TAPE (PRIMARY)**

Explanation: SAMS:Disk archive index maintenance processing has encountered an error condition in the files data set. An archive volume record was pointed to by one or more DSNINDEX records and the archive volume record (ARCHVOLS) does not exist. SAMS:Disk has deleted all DSNINDEX records for the volume. The error condition in the files data set has been corrected.

2367 **ARCHIVE (xxx) TAPE VOLUME (vvv) HAS BEEN DELETED FROM THE DMS ARCHIVE INDEX, CREATED (ddd)/(ttt), EXPDT = (eee), DATA SET NAME = (ddd) VOLUME= (nnn) DELETED, (VOLUME (xxx) OF (yyy))**

Explanation: Archive tape volume (vvv), with data set name (ddd), has been removed from the SAMS:Disk archive index; the volume was an (xxx) type. If (xxx) is PRIMARY, this was the original volume to which data sets were archived. If (xxx) is COPY, this is a duplicate copy of a primary volume. The message also displays the expiration date of the archive volume, along with its create date and time.

If the archive data set used more than one volume, message lines will be printed with the additional volume (nnn) and sequence numbers (xxx) and (yyy).

2368 **ARCHIVE VOLUME INDEX RECORD CONTAINS POINTER TO COPY VOLUME RECORD THAT DOES NOT EXIST. VOLUME RECORD WITH INVALID POINTER = (vvv); VOLUME MISSING = (ccc); COPY VOLUME POINTER DELETED.**

Explanation: SAMS:Disk has discovered an error condition with an archive volume record (ARCHVOLS) in the SAMS:Disk files data set. A field in the ARCHVOLS record for primary archive tape volume (vvv) indicates a copy tape volume exists, but no corresponding record exists for the copy volume (ccc).

SAMS:Disk has corrected the condition causing the error by clearing the field in error. The primary volume no longer has a copy volume. To create another duplicate copy of the primary volume, use the utility COPY ARCHIVE VOLUME.

2369 **MORE THAN ONE ARCHIVE INDEX VOLUME RECORD POINTS TO COPY VOLUME = (ccc). VOLUMES (xxx) AND (yyy) POINT TO THE SAME COPY VOLUME. DELETE THE INVALID POINTER.**

Explanation: SAMS:Disk has detected an error condition in an archive volume record (ARCHVOLS) in the files data set. ARCHVOLS records for primary archive volumes (xxx) and (yyy) both point to the same tape volume serial as their duplicate copy volume (ccc). This is not valid. One of the primary volume records is in error. The copy volume may apply to only one primary volume. SAMS:Disk is unable to determine which one. Determine which primary volume record is valid and correct the one in error by using the SAMS:Disk RESET command.

2370 **ARCHIVE INDEX COPY VOLUME RECORD HAS NO PRIMARY VOLUME RECORD POINTING TO IT. VOLUME = (vvv); VOLUME DELETED FROM ARCHIVES**

Explanation: SAMS:Disk index maintenance processing has discovered an error condition in the files data set. An archive volume index record for copy volume (vvv) that exists in the files data set does not have a primary volume record pointing to it. Since no primary volume records point to it, SAMS:Disk will never use the volume. SAMS:Disk has deleted the volume from the files.

This in an informational message. No action need be taken by the user. The error has been corrected.

2371 **CANNOT PROCESS ARCHIVE INDEX MAINTENANCE REQUESTS, ARCHVOLS SUBFILE OF FILES DATA SET IS IN OVERFLOW BLOCKS. REORGANIZE FILES DATA SET BEFORE RESUBMITTING COMMANDS FOR PROCESSING.**

Explanation: SAMS:Disk archive index maintenance processing cannot continue when the files data set contains an overflow condition. This condition occurs when the index of the affected subfile is full.

Reorganize the files data set. This will reorganize the index and provide room for growth. Then rerun the archive index maintenance request.

2372 **COMMAND NOT PROCESSED DUE TO CRITICAL ERROR ON A PREVIOUS COMMAND**

Explanation: SAMS:Disk has rejected the input command because a command previously entered contained a critical error. Correct the command in error and resubmit the request.

2374 **ABOVE DCB ABEND INTERCEPTED AND PROCESSING CONTINUED TO SUCCESSFUL COMPLETION**

Explanation: SAMS:Disk intercepted a DCB abend, determined the cause of the problem, and continued. This in an informational message. It indicates an error condition has been detected and processing will continue. See previous error messages to determine the nature of the error. No action is required of the user.

2375 **INVALID NUMBER OF SUBPARAMETERS SPECIFIED IN CRITERIA PARAMETER. THE PROPER COMMAND FORMAT IS: CRITERIA=(OPERAND,OPERATOR,OPERAND)**

Explanation: The user specified too few or too many subparameters in the CRITERIA parameter. The specification must always contain three arguments. If either of the operands contain an arithmetic operation (+ or -), no embedded spaces are allowed.

Example: CRITERIA=(ARCDT+30,LE,TODAY)

2376 **COMMAND REJECTED DUE TO ERROR(S) FOUND IN CRITERIA PARAMETER**

Explanation: The SELECT or EXCLUDE command is invalid due to an error in the specification of the CRITERIA parameter. This message is preceded by the message describing the actual error. Correct the error and resubmit the job.

2377 **FIRST CHARACTER IN OPERAND (n) OF CRITERIA PARAMETER CONTAINS A SPACE - OPERANDS CANNOT BE PRECEDED BY SPACES**

Explanation: The specified operand (n) begins with a space (or contains only spaces). If the operand contains all spaces, respecify the operand with data. Otherwise, delete the leading spaces and resubmit the job.

2378 **OPERAND (n) OF CRITERIA PARAMETER CONTAINS EMBEDDED SPACES(S) - EMBEDDED SPACES ARE NOT ALLOWED**

Explanation: The specified operand n contains embedded space(s) in its specification. Delete the embedded spaces and resubmit the job.

Invalid specification:

CRITERIA=(“ TODAY + 25",LE,1/12/81 - ARCDT+30)

Corrected specification:

CRITERIA=(TODAY+25,LE,1/12/81-ARCDT+30)

2379 **INVALID DATE SPECIFIED (mm/dd/yy) IN OPERAND (n) OF CRITERIA PARAMETER**

Explanation: An invalid date (mm/dd/yy) was specified in the (n) operand of the CRITERIA parameter. This error may be caused by an assumption on the user’s part that a “/” in the operand denotes a divide instruction. Division and multiplication are not supported in the CRITERIA parameter. If the program encounters a “/” in either the second or third byte of any field in the operand, it assumes the value is a date and will edit accordingly. Correct the date and resubmit the job.

2380 **ABSOLUTE VALUE SPECIFIED (vvv) IN OPERAND (n) OF CRITERIA PARAMETER CONTAINS NON-NUMERIC DATA**

Explanation: The value specified (vvv) in operand (n) contains non-numeric data. Correct the specification and resubmit the job.

This message could be misleading based on the data entered. The program logic assumes all data entered by the user which begins with a numeric digit to be an absolute value (unless the second or third byte is a "/", in which case the data is assumed to be a date). If the user was trying to specify a field name but miskeyed the first character as a numeric, this message would be issued, as in the following example:

3ARCD — instead of — 3+ARCDT

2381 **ABSOLUTE VALUE SPECIFIED (vvv) IN OPERAND (n) OF CRITERIA PARAMETER EXCEEDS THE MAXIMUM ALLOWABLE STRING LENGTH OF EIGHT**

Explanation: The maximum length of any absolute value is eight. This error is probably a result of an error on the command input. Correct the error and resubmit the job.

2382 **INVALID ARITHMETIC SIGN(S) IN OPERAND (n) OF CRITERIA PARAMETER**

Explanation: An invalid arithmetic operation was specified in the (n) operand. The only valid operations are addition (+) and subtraction (-).

2383 **INVALID OPERATOR SPECIFIED (oo) IN CRITERIA PARAMETER - VALID LOGICAL OPERATORS ARE: LT, LE, EQ, NE, GT, OR GE**

Explanation: Operator (oo) is invalid. Correct the operator and resubmit the job.

2384 **INVALID FIELD NAME SPECIFIED (fff) IN OPERAND (n) OF CRITERIA PARAMETER**

Explanation: The field name (fff) specified in the CRITERIA parameter is not defined to the implicit archive control program. Consult Section 4, Retention Control, in the User's Guide for a list of valid field names that may be referenced in specifying CRITERIA for implicit archival.

2386 TAPE EXPIRATION DATE WAS NOT SPECIFIED. CALCULATED DATE OF (yyddd) WAS USED

Explanation: An expiration date was not specified for the archive tape in use. The implicit VSAM support calculates a tape expiration date by examining the RETPD values specified on all of the ARCHIVE and BACKUP commands specified in the job step. If a command is entered without the RETPD parameter, sysparm RETRETPD is used to determine a default value for that command. The highest RETPD value among all the commands is added to the current date to determine the tape's expiration date, which is (yyddd). This message is informational only. No user action is required.

2387 COMMAND ERROR - EXECUTION SUPPRESSED

Explanation: An error was encountered on a preceding input command. Refer to the previously issued message to determine the nature of error. Correct the error and resubmit the job. The job will not execute until the command in error has been corrected.

2388 INVALID DISPOSITION SPECIFIED - MUST BE DELETE, KEEP, RECAT OR NOCAT

Explanation: The DISP= parameter value of the ARCHIVE command was incorrect. Change it to DELETE, KEEP, RECAT or NOCAT and resubmit the job.

2389 RETPD VALUE CONTAINS NON-NUMERIC DATA

Explanation: The value specified for the archive retention period contained non-numeric data. Correct the value and resubmit the job.

2390 RETPD VALUE EXCEEDS THE MAXIMUM ALLOWABLE STRING LENGTH OF FIVE

Explanation: A maximum of five digits is allowed for a retention period. Correct the error and resubmit the job. This error could be encountered if the user is attempting to specify the retention period as a Gregorian date. Refer to Section 4, Retention Control, in the User's Guide for proper use of the RETPD command.

2391 AUTO VALUE CONTAINS NON-NUMERIC DATA

Explanation: The value specified for the AUTO parameter in the backup command contained non-numeric data. Correct the value and resubmit the job.

2393 **AT LEAST ONE SCAN OR FIND COMMAND MUST BE SPECIFIED PRIOR TO EACH ACTION COMMAND**

Explanation: A DSCL action command (REPORT, BACKUP, ARCHIVE, DELETE, VBACKUP, RELEASE, COPY, MOVE or BILLING) was specified prior to a SCAN or FIND command. Add a SCAN or FIND command and resubmit the job.

2394 **MAXIMUM NUMBER OF PASSWORDS (20) HAS BEEN EXCEEDED; JOB RUN CANCELED**

Explanation: The maximum number of passwords which can be supplied is 20 (due to a restriction in an internal table). Contact the SAMS:Disk Technical Support Center if a larger table size is required. (Zap available for ADSST001 to increase table size dynamically).

2395 **INVALID MODE SPECIFIED ON SET COMMAND: MUST BE LIVE OR SIMULATE**

Explanation: Correct the mode and resubmit the job.

2396 **TABLE NAME SPECIFIED DOES NOT EXIST IN FILES DATA SET**

Explanation: The table name specified was not found in the files data set. Either the table name is incorrect, or the wrong files data set was specified. Correct the error and resubmit the job.

2397 **NO SCAN COMMAND WAS SPECIFIED - JOB RUN TERMINATED**

Explanation: A SCAN command must be specified for all implicit VSAM job runs. This command is used to supply the catalog name(s) to be scanned during the job run. Refer to Section 4, Retention Control, in the User's Guide for a detailed explanation of the command.

2398 **NO ACTION WAS SPECIFIED FOR SCAN OF CATALOG (xxx); SCAN OF CATALOG HAS BEEN BYPASSED**

Explanation: A SCAN of catalog (xxx) was specified, but no associated action (DELETE, BACKUP or ARCHIVE) was specified. Add the appropriate action command and rerun the job.

2400 **Any of the messages listed below, followed by DATA SET NAME = (ddd)**

ERROR - REJECTED BY INSTALLATION EXIT

Explanation: One of the exits installed by your local SAMS:Disk support personnel has rejected your request. Contact them for an explanation. Exits that may be involved: DARCHIEX, DRESTOEX, or ARCHIVEX

DRESTORE REQUEST HAS BEEN REJECTED
DATA SET NAME = (ddd)
REASON IS — REJECTED BY INSTALLATION EXIT

Explanation: Your local TSORESEX exit has rejected your request. Contact your local support personnel for an explanation.

ERROR - REQUEST FOR DATA SET NAME WAS REJECTED BY INSTALLATION EXIT

Explanation: Your local LISTDMEX, LISTREEX, or DERASEEX exit has rejected your request. Contact SAMS:Disk Technical Support.

ERROR - ARCHIVE INDEX RECORD FOR DATA SET DOES NOT EXIST or ERROR - NO ARCHIVE INDEX RECORD EXISTS WITH THE SPECIFIED TIME AND DATE (ttttdddd)

Explanation: SAMS:Disk needed to retrieve archive information for a data set but the index record for the data set does not exist. Verify that the data set name (and time/date information) is correct. Also verify that the SAMS:Disk files data set in use when this message was issued is the one containing the record you have specified.

ERROR - REQUEST TO RESTORE THIS DATA SET ALREADY EXISTS

Explanation: Since SAMS:Disk already has a request in the queue for the specified data set, this duplicate request has been rejected/ignored.

ERROR - USER IS NOT AUTHORIZED TO RESTORE DATA SET
or

ERROR - USER IS NOT AUTHORIZED TO RENAME DATA SET

Explanation: The installation's security system indicated that the user isn't authorized to restore (or rename) the data set.

ERROR - COMMAND REJECTED, CORRECT AND RE-ENTER

Explanation: The command you entered was in error. Check the parameters and syntax rules, then re-enter your request.

2401 **DRESTORE REQUEST HAS BEEN SUCCESSFULLY QUEUED DATA SET NAME = (ddd)**
DATA SET IS TO BE RESTORED AS - (nnn)
DATA SET TO BE RESTORED WAS ARCHIVED ON (aaa) AND IS ON VOLSER(S) (vvv)
or
VOLSER LIST NOT AVAILABLE

Explanation: The deferred request to restore data set (ddd) as data set (nnn) has been placed in the SAMS:Disk deferred restore request queue. This data set was archived on the date (aaa). It was archived on volser(s) (vvv). No further action is needed.

2402 **NO RESTORE REQUESTS QUEUED FROM THIS COMMAND**

Explanation: Errors have been encountered while processing the deferred request command. As a result, no requests have been placed on the deferred requests queue. See previous messages for an explanation of the errors causing the problem. Correct the errors and resubmit the command.

2403 **DATA SETS REQUIRED TO PROCESS DRESTORE COMMAND COULD NOT BE ALLOCATED, COMMAND REJECTED**

Explanation: Allocation errors encountered have caused the command to be rejected. Allocation has failed for one of the following dd or file names: MSGPRINT, FILES, TABLES. See previous error messages for more details concerning the allocation error.

2405 **REQUEST TO RESTORE DATA SET NAME=(ddd) HAS BEEN REJECTED.**

Explanation: The restore request for data set (ddd) was bypassed for processing due to the explanation provided in previous messages.

2406 **PDS DIRECTORY CONTAINS INVALID TTR ADDRESS POINTER TO MEMBER DATA (POINT FAILED) TTR IN ERROR IS (ttr), POINT RETURN CODE IS (rc) DELETE THE MEMBER AND REPROCESS THE DATA SET**

Explanation: SAMS:Disk has found an invalid TTR pointer in the PDS being processed. Processing for the PDS has been abended. (ttr) is the TTR pointer found in the directory entry for the member.

Use Hitachi utility IEHLIST to obtain a list of the members in the PDS and their respective TTR addresses. Find the member with a TTR pointer equal to the one in error, and delete that member. Then reprocess the data set with SAMS:Disk.

SAMS:Disk EXCP point processing has returned an error code of (rc). processing. See Appendix A of this manual for SAMS:Disk EXCP return code descriptions.

2407 **UNAUTHORIZED TO OVERRIDE SYSTEM PARAMETER xxxxxxxx VIA THE SYSPARMS DD INPUT STREAM**

Explanation: SAMS:Disk or the security package of your system rejected your run-time override of sysparm (xxxxxxxx) because the sysparm is not overridable. The job is terminated. If the security package causes the rejection, it does so through the System Authorization Facility (SAF) VOS3 router and usually issues other messages in the JSS log or just prior to this message.

See your security administrator and/or your SAMS:Disk administrator to request access to this resource, or remove the offending sysparm override from your task.

2408 **DMS ONLY SUPPORTS UP TO 30 EXCLUSION/INCLUSION TABLES FOR ONE EXECUTION - LIMIT OF 30 REACHED, ABEND 200**

Explanation: SAMS:Disk processing is limited to processing not more than 30 exclusion/inclusion tables during any one execution. The user has caused SAMS:Disk to reference more than 30 tables in the PARMLIB data set. The tables consist of data set name volume inclusion/exclusion tables. Split up the commands processed into different SAMS:Disk steps.

2409 **NO ARCHIVE VOLUME RECORD FOUND FOR KEY = (vvv), VOLUME CANNOT BE PROCESSED**

Explanation: SAMS:Disk needs to process archive data set records on KEY = (vvv). No archive volume record exists for it. The volume has been bypassed by SAMS:Disk.

2409 **ARCHIVE VOLUME DISABLED, NO COPY VOLUME FOUND, KEY = (vvv), VOLUME CANNOT BE PROCESSED**

Explanation: SAMS:Disk needs to process archive data set records on KEY = (vvv). The primary archive volume has been marked disabled, and no copy volumes exist. The volume has been bypassed by SAMS:Disk. Enable the archive volume.

2409 **ARCHIVE VOLUME DISABLED, NO ARCHIVE VOLUME RECORD FOUND FOR COPY VOLUME, PRIMARY KEY = (vvv), COPY KEY = (ccc), VOLUME CANNOT BE PROCESSED**

Explanation: SAMS:Disk needs to process archive data set records on PRIMARY KEY = (vvv). The primary archive volume has been marked disabled and the archive volume record is missing for the COPY KEY = (ccc). The volume has been bypassed by SAMS:Disk.

Either enable the archive volume or do a SAMS:Disk purge and then a rebuild on the archive volume to place proper records back in the SAMS:Disk volume and data set indexes.

2411 **NO VALID MERGE COMMANDS ENTERED (NOTE - ONLY ONE MERGE COMMAND ALLOWED PER EXECUTION)**

Explanation: One or more errors have been encountered on the MERGE input command. It has been rejected and processing has terminated. MERGE does not process more than one command per execution, so if more commands have been entered, they have been ignored. Correct the errors relating to the MERGE command and resubmit them for processing.

2412 **NO DSNINDEX RECORDS PRESENT FOR MERGE SELECTION, NO DATA SETS MERGED**

Explanation: No archive index (DSNINDEX) records were unloaded and passed to the merge step of the merge JCL procedure. The archive data set index is empty and there are no data sets to merge. This is a warning message.

2413 **MERGE VOLUME LIMIT OF (nnn) EXCEEDED, ONE OR MORE VOLUMES WILL NOT BE PROCESSED**

Explanation: The MAXVOLS command parameter of the merge command specifies the maximum number of input tape volumes to be processed by merge. The specified or default value of this parameter will be exceeded.

This is a warning message to indicate that not all volumes will be merged. Additional merge executions are required to complete the merge process.

2414 **ERRORS DURING MERGE PROCESSING PREVENTED ARCHIVE VOLUME = (vvv) FROM BEING DELETED. USE THE IXMAINT OR IXUPDATE UTILITY TO MANUALLY RELEASE THE VOLUME.**

Explanation: This message is self-explanatory.

2415 **DUE TO PRECEDING ERROR, REMAINING ARCHIVE DATA SETS ON ARCHIVE VOLUME (vvv) HAVE BEEN BYPASSED**

Explanation: See previous error message for the reason why SAMS:Disk could not process archive volume (vvv). Because of this reason, all remaining data sets that reside on this volume will not be processed.

2416 **TAPEPULL COMMAND PARAMETER MUST HAVE A VALUE OF EITHER USE OR GENERATE, COMMAND REJECTED**

Explanation: The user has entered an invalid value for the TAPEPULL parameter of the merge command. See Section 7, Archive Management, in the User's Guide for an explanation of the parameter and its valid values.

2419 **MERGE TABLE OF NEWLY CREATED VOLUMES HAS BEEN EXCEEDED, CONTACT DMS TECHNICAL SUPPORT CENTER**

Explanation: This in an internal SAMS:Disk processing error. Contact the SAMS:Disk Technical Support Center for problem resolution. Before contacting the Technical Support Center, have the following information available:

- JCL listing for run that failed.
- SAMS:Disk command statements entered.
- SAMS:Disk generated output.
- Supply SYSUDUMP DD statement and, if dump created, have it available.

2420 **UNEXPECTED END-OF-FILE ON INPUT ARCHIVE VOLUME, NO LOGICAL END-OF-FILE FOUND FOR DATA SET**

Explanation: Merge processing was reading to the end of a data set being copied to an output volume, and the end of file was reached on the tape data set. Every user data set archived to tape is followed by a record indicating end of data set. This record was not found. The tape is in error. Use the archive copy volume to recover the data set from the archives.

2421 **(xxx) LIMIT PARAMETER VALUE IS LESS THAN VALUE CALCULATED FOR PRIOR LIMITS PARM, PROCESSING TERMINATED**

(xxx) LIMIT PARAMETER VALUE IS NOT GREATER THAN VALUE CALCULATED FOR PRIOR LIMITS PARM, PROCESSING TERMINATED

PRIOR LIMIT = (yy.ddd), (xxx) VALUE IS (yy.ddd)

Explanation: The LIMITS command parameter is specified in error. The values specified must be in ascending sequence by date, regardless of format type used (Julian or RETPD). Specify the dates in the proper sequence.

2422 **DISTRIBUTION OF DATA SETS ON MERGE OUTPUT TAPES**

LIMITS VALUE	DDNAME	HIGH DATE
nnnn	ARCHIVEn	yyddd

Explanation: This is a group of messages to aid the user in determining how MERGE will distribute data sets across output tapes. It shows each MERGE LIMITS value specified (nnnn), the output tape DDNAME to which it refers, and the highest expiration date of any data set that will be moved to the tape.

2423 **HIGHEST EXPIRATION DATE FOUND ON ANY DATA SET TO BE MERGED IS (yyyy.ddd)**

Explanation: This informational message displays (in Julian format) the highest expiration date found on any data set to be merged to another archive volume. If you assign expiration dates to the archive volumes by overriding the SAMS:Disk default values, the value you assign should ensure that the volumes will be kept until the date displayed in this message. If not, you risk data loss by expiring the volumes before the data contained on them has expired.

2424 **VOLUMES SELECTED BASED ON FOLLOWING STATISTICS - aaaa - AVERAGE LENGTH OF OUTPUT TAPES TO BE PROCESSED (IN FEET) bbbb - MERGE ALL VOLUMES USING LESS THAN THIS PERCENTAGE OF SPACE cccc - TAPES USING LESS THAN THIS AMOUNT OF SPACE, IN FEET, WILL BE MERGED dddd - TAPE DENSITY (BPI) OF MERGE OUTPUT VOLUMES**

Explanation: This group of messages is provided to inform the user of the parameters being used during MERGE processing.

The value (aaaa) is taken from sysparm TAPEFEET. It is one of the values used to determine the percentage of a tape volume that is full.

Value (bbbb) is the value specified (or the default) from the MERGE PERCENT command parameter. Tapes using less than this percentage of space will be processed by MERGE. All others will be ignored.

Value (cccc) is based on the values shown for (aaaa) and (bbbb), and indicates the number of used tape feet that will determine if it is to be merged.

The density at which output tapes will be written is shown as value (dddd). This value is also used to determine the number of feet used per archive tape volume. The value is taken from the output JCL DD statement.

2425 **INVALID DATA BLOCK ENCOUNTERED WHILE READING FILE= (fff) END OF FILE SIMULATED - FILES DATA SET MAY NEED TO BE RECOVERED**

Explanation: SAMS:Disk encountered an invalid physical block while reading the files data set. The block does not have a format valid for the files data set. SAMS:Disk assumed an end-of-file condition for the file being processed. All records up to the point of the error were processed.

Verify all records in the files data set are present and correct. If errors are suspected, recover the files data set with available backup copies and the use of existing archive tape volumes.

2426 **THE (xxx) PARAMETER IS OBSOLETE AND NEED NOT BE CODED**

Explanation: The user has coded the parameter (xxx) on the command entered. This parameter was valid for earlier releases of SAMS:Disk, but is no longer used. It has been ignored. Processing has continued as if it had not been coded. Remove the parameter from the command statement to get rid of this distracting message. It will bug you until you do.

2427 **COMMAND REJECTED - DATE PARAMETER IS INVALID**

Explanation: The DATE command parameter specified on the command entered is in error. It either contains an invalid date or the format is incorrect. Consult the User's Guide for the correct format of the date parameter for the specific command being used.

2429 **ARCHIVE BEING SKIPPED FOR DSN=(ddd), VOL=(vvv)**

Explanation: Dispose processing of deferred archives could not find volume (vvv) that was to contain data set (ddd) to be processed. The request was skipped on the assumption that the volume may be on another CPU or offline. Run the job on the correct CPU, mount the volume, or use the DERASE TSS command to delete the request.

2430 **ABEND = (sss)/(uuu) INTERCEPTED ON DSN (ddd), VOL (vvv)**

Explanation: A system abend of (sss) or a user abend of (uuu) has occurred while processing data set (ddd) on volume (vvv). SAMS:Disk has recovered from the abend condition and continued processing.

2432 DISP=SHR BEING USED FOR DYNAMIC ALLOCATE

Explanation: A SAMS:Disk module did not specify the disposition needed. A value of SHARED access is assumed.

2433 AN SVC 99 ERROR HAS OCCURRED IN
— DYNAMIC ALLOCATION
— DSNAME=ddd
— VOLUME=vvvvvv
— UNIT=uuuu
— NOT ENOUGH FREE SPACE ON THE VOLUME

Explanation: SVC 99 is the VOS3 SVC used to dynamically allocate either data sets or volumes to an executing job task. The SAMS:Disk request for this service has failed. SAMS:Disk interprets many of the common error and info codes and prints a meaningful description of the error. However, the less common codes must be found in the Hitachi manual System Programming Library: Application Development Guide, the Hitachi Manual Job Management, or the System Macros Facilities before corrective action is taken.

If the error code returned in the message is 1708 and the SAMS:Disk function being executed is implicit VSAM, review your input commands. If more than one archive and/or delete command is specified for a given catalog, the cluster may have been archived/deleted by a previous command. This can be verified by the archive report. If the data set shows up more than once in the report, and one of the entries has no asterisk by the data set name, then the data set was scratched by the first command. The second archive attempt results in the allocation error because the data set no longer exists on DASD. In this case, the message can be ignored.

Similarly, during MERGE or IXMAINT, if the error code is 0 and info code is 0038, SAMS:Disk is attempting to scratch a data set that no longer exists on DASD. This situation can occur only in rare instances and should be assumed to be all right and the message ignored. An instance when this could occur might be when a data set is cataloged to two volumes but only exists on one. When SAMS:Disk attempts to scratch the second segment, this “error” condition is detected. More information can be found in Hitachi System Messages Manual, message IEF285I, if desired.

2434 **NUMBER OF TRACKS NEEDED FOR ALLOCATION EXCEEDS VOLUME CAPACITY**

DSN=ddd TRACKS NEEDED=xxx

Explanation: SAMS:Disk needed (xxx) tracks to be allocated to data set (ddd), which is more tracks than exist on the entire volume to which it is being allocated. Since SAMS:Disk does not support multivolume allocation, the allocate request has been denied. Direct the data set to a volume with a sufficient number of tracks.

2435 **NOCATALOG AND RECATALOG ARE MUTUALLY EXCLUSIVE - CORRECT THE COMMAND AND RESUBMIT**

Explanation: Parameters NOCATALOG and RECATALOG have both been entered with the command, which is not allowed. Decide which of the two (or neither) is desired, correct the input command, and resubmit the request.

2436 **DSN=(ddd) RECATALOGED FROM VOL=(vvv) TO VOL=(www)**

Explanation: Data set (ddd) has been restored to volume (www), but it was already cataloged to volume (vvv). Since the “force-recatalog” parameter was specified on either the RESTORE or RECOVER command, this warning message is issued indicating that SAMS:Disk will attempt to recatalog it to the new volume. If the attempt to recatalog the data set fails, an additional message describing the error will also be issued.

2437 **INSTALLATION EXIT (mmm) IS BEING USED FOR SPACE CONVERSION**

Explanation: This warning message is issued to indicate user exit (mmm) is computing the space to allocate when moving or restoring a non-VSAM data set. SAMS:Disk-computed allocations may be modified by this exit.

2438 **DSN=(ddd) ON VOL=(vvv) HAS BEEN MODIFIED BY ANOTHER TASK**

Explanation: Data set (ddd) selected for Idle Space Release has been modified between the time it was selected and the attempt made to release the space. No space will be released.

2439 **DSN=(ddd) ON VOL=(vvv) WAS DELETED BY ANOTHER TASK**

Explanation: Data set (ddd) was deleted after the volume was scanned and selection tests applied for Idle Space Release, but before the release was actually attempted. Since the data set no longer exists, processing is bypassed.

2440 **** WARNING ** TRACK OVERFLOW ATTRIBUTE IS BEING DROPPED, PER INSTALLATION OPTION, FOR DSN (ddd)**

Explanation: Data set (ddd) was making use of the track overflow feature, which allows the blocksize to exceed the physical track size of the device. Certain devices, such as the 8595 and 8598, do not support this attribute. While attempting to copy the data set to such a device, SAMS:Disk determined that the track size of the new device was sufficient to hold the data set without using the track overflow feature. By default, the Move/Copy function does not modify the record format to drop this attribute, but sysparm TRKOVCHGY has been specified to allow it.

2441 **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**

Explanation: 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. SAMS:Disk processing for the catalog has been terminated.

Data set (ddd) was the last entry processed prior to the out-of-sequence entry. If possible, repair or recover the damaged catalog and resubmit the terminated SAMS:Disk request.

2443 **Messages numbered 2443 point to an error or contain information about the parameter library.**

Explanation: These messages are syntax errors. Consult the SYNTAX rules for the parameter library.

IMAGE OF POOLDEFS ENTRY IN ERROR:
NO DSN OR PATTERN PRESENT
NO BLANK FOLLOWING POOL NAME
POOL NAME CONTAINS BLANKS
ENTRY IS BLANK
LENGTH NOT LONG ENOUGH FOR POOL NAME AND DSN
ONLY 150 POOL DEFINITIONS ALLOWED

POOL NAME IS AN INVALID POOL NAME

IMAGE OF PARAMETER LIBRARY ENTRY IN ERROR:
NO CONTINUATION FOR CONTINUATION CARD
NO ENDING POINT FOR ENTRY
INVALID - ONLY QUOTES IN ENTRY
NO SPACE FOLLOWING DELIMITER
NON-PAIRED QUOTE IN ENTRY
IMAGE OF NAMEREFS ENTRY IN ERROR:
VALIDATION ERROR IN ENTRY

NO POOLDEFS ENTRY IN PARMLIB FOR DSN=(ddd)

Explanation: These messages indicate the member in the parameter library could not be processed.

CRITICAL ERROR RETURNED FROM UT035
I/O ERROR READING NAMEREFS
IMAGE OF PARAMETER LIBRARY ENTRY IN ERROR:
READ ERROR WHEN READING A CONTINUATION CARD

Explanation: These messages are informational only.

NOW VALIDATING MEMBER (mmm)

INVALID ENTRIES PRESENT IN POOLDEFS

VALIDATE ERRORS IN NAMEREFS

ENTRY INTO ADSTH019 AFTER PREVIOUS ERROR

Explanation: This message indicates an internal SAMS:Disk error. Call the SAMS:Disk Technical Support Center.

2445 **VOL (vvv) ALREADY IN POOL (ppp)**
or
VOL (vvv) NOT ADDED TO POOL (ppp),
IT BELONGS TO ANOTHER POOL

Explanation: SAMS:Disk attempted to insert tape volume (vvv) into pool (ppp), but the attempt failed. Either the volume was already in the pool (first message), or it was found to belong to a different pool. The same tape volume cannot be placed in more than one pool.

Use the tape pool management facilities to review the status of both the specific tape and the pools in question. Make any updates that may be needed. Messages numbered 2447 indicate an error in tape pool support.

2447 **POOLNAME NOT DEFINED FOR DSN=(ddd)**

Explanation: Data set (ddd) used in the JCL has no defined tapepool name.

2447 **MEMBER = POOLDEFS IN PARMLIB HAS INVALID ENTRIES**

Explanation: A tape pool name has been requested but the member POOLDEFS has invalid entries. See other messages to correct errors.

2448 **VOL (vvv) WAS JUST USED FOR POOL (ppp),**
BUT IT ALSO APPEARS IN POOL (qqq):
VERIFY AND CORRECT TAPEPOOL ENTRIES AS NEEDED

Explanation: This is a potentially serious condition that should be resolved as soon as possible. Use the tape pool management facilities to verify and correct the status of the tape. (This condition should not occur in Release 7.6 and later releases. Contact the SAMS:Disk Technical Support Center if it does.)

2449 **Messages numbered 2449 indicate an error in tape pool support.**

THERE ARE NO MORE SCRATCH TAPES IN POOL (ppp)

Explanation: Pool (ppp) has no scratch tapes and one was requested.

FILES ERROR GETTING SCRATCH TAPE FROM POOL (ppp)

Explanation: An I/O error has been detected in the files data set.

TAPEPOOL SUPPORT IS NOT ACTIVE

Explanation: A tape pool has been requested but the tape pool sysparm is turned off.

2450 **SPACE NOT RELEASED FROM DATA SET NAME=(ddd) DATA SET APPEARS TO BE MODEL DSCB**

Explanation: Space was not released from data set (ddd), because it looked like a model DSCB to SAMS:Disk. SAMS:Disk determines this by looking at the DS1EXT1 field of the format-1 DSCB of the data set. If it is zero, there are no extents for the data set and therefore no space to release.

2452 **TAPE VOLUME SERIAL NUMBER IS NOT VALID, IT CONTAINS MORE THAN 6 CHARACTERS INPUT RECORD IS = (xxxx)**

Explanation: This message is inserted by the utility that copies archive tape volumes. It uses a non-standard command format. The command simply contains a tape volume serial starting in any column and having a length of 1 to 5 characters. The card image read (xxxx) contains a volume serial with more than 6 characters. Correct the volume serial and resubmit the copy request.

2453 **ERROR CREATING COPY VOLUME FOR PRIMARY VOLUME (vvv), SEE PREVIOUS MESSAGES FOR EXPLANATION**

Explanation: The utility to copy archive tape volumes has encountered an error during processing of volume (vvv). The error is explained in a previous message. Correct the error and resubmit the request.

2454 **ERROR RESETTING CHANGE BIT IN VTOC ENTRY FOR DATA SET, REASON CODE = (n), VOL = (vvv), DSN = (ddd)**

Explanation: SAMS:Disk was unable to turn the change bit off for data set (ddd) on volume (vvv) after backing it up to the archives. The reason code is (n). Common reason codes are:

- 3 - Between the time SAMS:Disk started the BACKUP operation against the data set and the BACKUP was complete, the data set was updated by another task. This is determined by comparing a copy of the format-1 DSCB that was originally taken from the VTOC to a copy of it taken from the VTOC just before the update was to be done. The change bit remains on. The backup was taken successfully and is usable for restore.

- 8 - Abnormal condition has occurred during processing to update the VTOC entry for the data set. Previous error messages have been issued to indicate the cause of the failure.

2455 **SYSTEM PARAMETER NAME ENTERED (xxxxxxxx) WAS NOT FOUND IN PARMEDIT TABLE**

Explanation: The sysparm parameter xxxxxxxx has been specified as an override either in the SYSPARMS member of PARMLIB or via the SYSPARMS DD card. The parameter was not previously defined in the PARMEDIT member of PARMLIB. The job is terminated.

2456 **UPDATE OF VTOC ENTRY FAILED, VOLUME = (vvv), DSN = (ddd), REASON IS - (rrr)**

Explanation: SAMS:Disk is attempting to update the format-1 DSCB for data set (ddd) on volume (vvv). This attempt failed due to one of the following reasons (rrr):

- ALLOCATE FOR VOLUME FAILED
- DATA SET NAME NOT FOUND ON VOLUME
- EXCP READ I/O ERROR
- EXCP WRITE I/O ERROR
- FIELD NAME NOT DEFINED
- OPEN OF VTOC FAILED
- OPEN OF VTOC FAILED WITH ABOVE ABEND CODE

2457 **RESTORE DOES NOT SUPPORT RESTORING SYSCTLG DATA SET TO DIFFERENT DEVICE TYPE. DSNAME SYSCTLG WAS ORIGINALLY ARCHIVED FROM DEVICE TYPE (ttt). ALLOCATE ATTEMPTED TO VOLUME (vvv).**

Explanation: SAMS:Disk rejected a request to restore a SYSCTLG data set to volume (vvv). Current Restore processing requires that a SYSCTLG data set be restored to the same device type from which it was archived. Retry the RESTORE using a volume with the same device type.

2459 NOTE - DMS USERSENQ USER EXIT IS ACTIVE

Explanation: SAMS:Disk has determined that the USERSENQ user exit is in effect. This user exit allows changes to be in the enqueue that SAMS:Disk uses when processing data sets. If a question arises about the validity of enqueue actions, the first step in determining the problem should be to bypass this user exit to determine if the exit is causing the problem. See sysparm USERSENQ and Section 5 USER EXITS, in the Systems Guide, for more information regarding this exit.

2460 ARCHVOLS RECORD = (rrr) TO BE DELETED. NO ARCHIVE DSNINDEX RECORDS EXIST FOR IT.

Explanation: SAMS:Disk has found that archvols record (rrr) in the ARCHVOLS subfile of the files data set is not referenced by any DSNINDEX records from the DSNINDEX subfile. It is not a valid record and is deleted from the ARCHVOLS subfile of the files data set during normal IXMAINT command processing. It has no relationship to the volumes specified on the commands that initiated processing.

To prevent these records from being deleted, specify sysparm IXMCLEAN with a value of N.

2461 DMS COULD NOT OBTAIN VTOC ENTRY FOR DATA SET — OBTAIN ERROR = (eee)
VOLUME = (vvv), DATA SET NAME = (ddd) rrrrrrrr

Explanation: SAMS:Disk issued the OBTAIN macro to get the VTOC entry for data set (ddd) on volume (vvv). System OBTAIN processing returned an error return code. The explanation of the error code (eee) is given by (rrrrrrrr). If further explanation is needed, see Appendix A for OBTAIN error codes.

2462 — ORIGINAL DATA SET ATTRIBUTES:
DCB=(ddd), SPACE=(sss)

Explanation: This message is issued from the PDS Compress function. It indicates the attributes of the PDS prior to compression. This information is provided so that it may be used in the event the RELOAD function of PDS compress needs to be used to recover a PDS. When RELOAD is executed, the PDS must be manually preallocated with the proper DCB and SPACE attributes. The (ddd) and (sss) fields of this message contain this information.

The SPACE information indicates the space used by the PDS prior to compression. It is sufficient for reload processing. It does not necessarily reflect the space SAMS:Disk would have allocated for the data set had its compression properly completed.

2463 **VOLUME (vvv) BYPASSED, IT COULD NOT BE ALLOCATED TO THIS TASK**

Explanation: SAMS:Disk cannot allocate the volume (vvv) for processing. A preceding message may indicate the exact cause of the allocation failure. An example might be that the volume cannot be processed because installation security routines have indicated that the user is not authorized to process it.

2464 **ERROR ALLOCATING VOLUME REQUIRED FOR PROCESSING: VOLUME = (vvv), DATA SET NAME = (ddd)**

Explanation: SAMS:Disk has determined through the system catalog or by input VOLUME parameter data that volume (vvv) is needed to process data set (ddd). When SAMS:Disk attempted to locate the volume on the system it was running on, an error occurred. The exact nature of the error is indicated in previous error messages.

This message usually occurs when a data set is cataloged to a volume that no longer exists or to an invalid volume name, or when the volume name supplied on the VOLUME parameter of the SAMS:Disk command is not online to the system when SAMS:Disk is running.

Verify the volume name is correct in the catalog or on the SAMS:Disk command parameter. Correct the error and reprocess the command.

2465 VOLUME ALLOCATE ERROR, VOLUME=(vvv) COULD NOT BE ALLOCATED TO THIS TASK

Explanation: SAMS:Disk cannot allocate the volume (vvv) for processing. A preceding message may indicate the exact cause of the allocation failure. Following are descriptions of some of the types of errors that cause this message to be issued.

SECURITY VIOLATION

Explanation: The volume cannot be processed because installation security routines have indicated that the user is not authorized to process it. See prior messages for more information about the error.

MISSING DMS DD STATEMENTS

Explanation: SAMS:Disk requires either (An) or (Dn) type DD statements in the JCL to allow it to allocate volumes. Either there are not a sufficient number of DD statements or they are improperly specified.

In the non-VOS3 and non-SAMS:Disk-SVC environment, //Dn type DD statements must be provided for each volume to be processed. If a //Dn type DD statement is present, the combined limit of 20 //Dn and //An statements per step has been exceeded. Either supply the correct DD statement or break the job into two or more steps to reduce the number of DD statements to 20 or fewer.

2467 YOU DO NOT HAVE (vvv) AUTHORITY TO DMS (rrr)

Explanation: A SAMS:Disk security violation has occurred. The user of SAMS:Disk has attempted to access (vvv), a SAMS:Disk resource named (rrr). The SAMS:Disk resource name is either a SAMS:Disk table name, a subfile of the SAMS:Disk files data set or a SAMS:Disk command.

See JCL listing for additional messages concerning the security violation. See Section 2, Installation, in the Installation Guide to determine how these resources are protected from within SAMS:Disk.

2468 MAXIMUM OF (nnn) An DD STATEMENTS ARE ALLOWED, MORE THAN THAT NUMBER HAS BEEN SUPPLIED, ABEND 100

Explanation: SAMS:Disk requires that the execution JCL include at least two and no more than (nnn) //An type DD statements (that is, “//A1 DD DUMMY,DISP=SHR”). More than the allowed number has been supplied. Remove the number of DD statements necessary to be within the limits specified.

2469 **NO (mmm) MEMBER EXISTS IN THE PARMLIB DATA SET, ABEND 100**

Explanation: Member name (mmm) is not present in PARMLIB. Files initialization routines use the user-defined file define table to indicate how to format the files data set. This list does not exist in the SAMS:Disk PARMLIB data set. See Section 2, Installation, in the Installation Guide for further information on initializing the files data set.

2470 **MAXIMUM OF 10 DATA SET NAMES ALLOWED, COMMAND REJECTED**

Explanation: The user has entered more than 10 data set names on the TSS command. The command can only accept 10 data set names. Reduce the number of data set names specified and re-enter the command.

2471 **GDGDASDGEN TABLE ENTRY IS NOT NUMERIC; ABEND 200 DSNAME=(ddd), COUNT=(nnn)**

Explanation: An error has been found in an entry of the SAMS:Disk GDGDASDG member of the PARMLIB data set. This table is used by SAMS:Disk when the GENER= command parameter is specified in a command for the sequential migrate function of SAMS:Disk. The table indicates the number of generations of a data set SAMS:Disk is to retain on DASD. The first four characters of each table entry is the number of generations. This message indicates that the first four characters of the entry are not numeric. Correct the entry and rerun the function.

2472 **THE DMS TABLE (ttt) DOES NOT EXIST IN THE PARMLIB DATA SET AND IS REQUIRED FOR PROCESSING**

Explanation: SAMS:Disk attempted to load the table named (ttt) from the SAMS:Disk PARMLIB data set, and found that the table does not exist in the data set. Since it is required for processing, SAMS:Disk invoked a user 100 abend. Add the table to the PARMLIB data set and rerun the SAMS:Disk step.

2475 **DATA SET NAME = (ddd) NOT UNCATALOGED FROM VOL = (vvv) REG 15 RETURN CODE = (rc)**

Explanation: An attempt was made to uncatalog data set (ddd) which is currently cataloged to pseudo-volume (vvv). The return code returned in register 15 indicates why it could not be uncataloged. Refer to the System Programming Library: Data Management manual for the meaning of these return codes. If, after checking out the reason for the failure, you still need to uncatalog the data set, it will have to be done manually.

2482 **UNABLE TO CHANGE DS1LSTAR IN DSN (ddd) ON VOL (vvv)**

Explanation: An attempt to release part of the idle space in data set (ddd) on volume (vvv) has failed. The last-block pointer could not be changed. The condition code is set to 12. SAMS:Disk will continue with the next entry.

2483 **CRITICAL ERROR - DS1LSTAR FOR DSN=(ddd) ON VOL=(vvv) NOT RESET TO DS1LSTAR=**

Explanation: After releasing part of the idle space in data set (ddd) on volume (vvv), SAMS:Disk attempted to reset the last-block pointer in the data set, but has failed. SAMS:Disk will continue with the next command and will set the condition code to 4.

2484 **NO MATCHING DEFERRED REQUEST FOUND**

Explanation: LISTREQ function did not find any matching ARCHCMDS or RESTCMDS to process. SAMS:Disk will set the condition code to 0004.

2485 **ATTEMPT TO RETRIEVE FREE SPACE EXTENTS FAILED FOR VOL=(vvv), RC=(rc), CVSTAT=(cvstat)**

Explanation: The CVAFDSM macro was issued to get the free space extents on an indexed VTOC for volume (vvv), but this request failed. SAMS:Disk will continue with the next entry.

- RC=8 - Invalid VTOC index structure.
- RC=12 - The CVAF parameter list is not in your protect key or is invalid.
- RC=16 - An I/O error was encountered.
- CVSTAT - See Data Facility/Device Support User's Guide and Reference, Appendix A.

2486 **LOCATE FAILED FOR VSAM DATA SET CLUSTER NAME (ddd).**

Explanation: Locate for VSAM cluster (ddd) has failed. Logic error in SAMS:Disk processing.

2492 **BUFFERSPACE HAS CHANGED FROM (nnn) TO (ooo) FOR DSN=(ddd), VOL=(vvv)**

Explanation: While restoring VSAM data set (ddd) to volume (vvv), SAMS:Disk detected a change in the bufferspace allocation between the value found on the SAMS:Disk archive tape (nnn) and the new value specified in the VSAM DEFINE (ooo). This can be caused by two conditions:

- Sysparm VSATTRIB was set on, causing SAMS:Disk to allow Access Method Services to calculate the bufferspace. The newly calculated value differed from the original. This may be because the user specified the original value, or because the data set is being restored to an unlike device type.
- The VSATTREX user exit was active and changed the value explicitly.

This is an informational message only. No action is required by the user.

2493 **CI SIZE HAS CHANGED FROM (nnn) TO (ooo) FOR DSN=(ddd) VOL=(vvv)**

Explanation: While restoring VSAM data set (ddd) to volume (vvv), SAMS:Disk detected a change in the control interval size between the original value found on the SAMS:Disk archive tape (nnn) and the new value specified in the VSAM DEFINE (ooo). This can be caused by two conditions:

- Sysparm VSATTRIB was set on, causing SAMS:Disk to allow Access Method Services to calculate the control interval size. The newly calculated value differed from the original, probably because the user specified the original value or because the data set is being restored to an unlike device type.
- The VSATTREX user exit was active and changed the value explicitly.

This is an informational message only. No action is required by the user.

2500 **UNABLE TO LOCATE CATALOG = (cat) VERIFY THAT THE CATALOG NAME IS SPELLED CORRECTLY**

Explanation: This error is encountered while attempting to retrieve information regarding the catalog from catalog management. It may be caused by one of the following conditions:

- The catalog name requested on the SCAN command does not exist. Verify that the catalog name is spelled correctly. Correct the spelling error and resubmit the job.
- An alias name was specified rather than the catalog's real name. Because the alias name was used, its entry could not be found in the catalog. Specify the catalog's real name, instead of an alias, and resubmit the job.

2501 **CATALOG ACB WAS NOT RETURNED FROM CATALOG MANAGEMENT FOR CATALOG (ccc) - CATALOG HAS BEEN BYPASSED FOR PROCESSING**

Explanation: SAMS:Disk has just been returned control from catalog management. Although catalog (ccc) which was requested was found, the catalog's ACB address was not returned by catalog management. Contact the SAMS:Disk Technical Support Center for problem resolution.

2502 **DATA SET NAME NOT RETURNED DURING SCAN OF CATALOG (ccc) CATALOG SCAN IS TERMINATED**

Explanation: 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. Since SAMS:Disk has no knowledge of what the entry might be, processing is terminated for that catalog. Execute the JSCVSUT LISTCAT procedure to verify that it does not have the same problem. If the problem also exists for the LISTCAT, follow Hitachi procedures for resolving the problem.

2503 **ASSOCIATION CONTROL INTERVAL NUMBER (nnn) NOT FOUND FOR DSN = (ddd)**

Explanation: When SAMS:Disk retrieved information associated with data set (ddd), the cluster record indicated that an associated entry could be found at control interval number (nnn). However, when SAMS:Disk attempted to retrieve that control interval, catalog management returned an error code indicating the control interval does not exist.

Attempt to list the specified data set with the JSCVSUT LISTCAT feature (use the ALL parameter). Check the output for a similar error. If one exists, follow Hitachi procedures for resolving the problem. If not, contact the SAMS:Disk Technical Support Center for assistance.

2504 **CATALOG RECORD SIZE IS GREATER THAN MAXIMUM ALLOWED — RECORD SIZE RETURNED = (nnn)**

Explanation: A catalog error has occurred. While attempting to backup an DMF/EF Type-2 catalog, SAMS:Disk has encountered a record that is larger than the maximum allowed (32,760 bytes). The record size is (nnn). The catalog is not backed up. Determine the reason for the long record in the catalog and correct it, then resubmit the backup job.

2505 **DATA SET BYPASSED, CATALOG ENTRY TYPE=t INFORMATION FOR DSN=dsn NOT FOUND IN CATALOG=cat**

Explanation: The catalog information requested for data set (dsn) could not be found by catalog management in catalog (cat). Verify the data set entry exists in the catalog via JSCVSUT LISTCAT procedure. If it does, contact the SAMS:Disk Technical Support Center for assistance.

2506 **INVALID REPORT NAME (nnn) REQUESTED VALID REPORT NAMES ARE: CLD, MAP, SVD, AND MVD**

Explanation: The report name printed in the text of the message is invalid. Check the spelling for accuracy. For more information on the reports which are available with the VSAM support, refer to "Reports" section in the User’s Guide.

2507 **INVALID SELECT TYPE (x) SPECIFIED**
VALID TYPES ARE: A, B, C, D, E, I, M, P, R, S, U OR Z

Explanation: The select type printed in the text of the message is invalid. This parameter is used to specify the print lines which are desired on the Cluster Data Report. For more information on the report lines which are available for this report, see the REPORT command in Section 4, Retention Control, in the User's Guide.

Note: If the SELECT parameter was not specified explicitly on the REPORT command, the offending report type was returned by sysparm RPTCLSEL. Contact the SAMS:Disk support representative at your installation to have this value changed.

2508 **VOLUME INFORMATION TOO LARGE**
VOLUME INFORMATION NOT SUPPLIED FOR COMPONENT: (ccc)

Explanation: The volume information returned by catalog management regarding component (ccc) contained too much information to be returned to the calling module. Contact the SAMS:Disk Technical Support Center regarding enlarging this area.

2509 **CATALOG'S ACB DOES NOT CONTAIN A POINTER TO THE CATALOG AUXILIARY WORK AREA - CATALOG NAME AND VOLUME COULD NOT BE DETERMINED**

Explanation: The catalog's ACB does not contain a pointer to the CAXWA chain. Because this pointer was missing, the catalog name associated with this ACB could not be determined.

This error should have little effect on SAMS:Disk processing unless the RACF program product is being executed. Contact the SAMS:Disk Technical Support Center regarding problem resolution.

2510 THE FOLLOWING ASSOCIATION DATA SET NAME (ddd) WAS NOT FOUND FOR COMPONENT (ccc)

Explanation: SAMS:Disk encountered an error when it attempted to retrieve information pertaining to an entry associated with data set (ccc). SAMS:Disk found the cluster record for the component data set and the association information indicated that it was associated with entity (ddd). However, when SAMS:Disk attempted to retrieve the associated data set, catalog management returned an error code indicating the data set does not exist.

Attempt to list data set (ccc) specified in the message with JSCVSUT LISTCAT feature (use the ALL parameter). Check the output for a similar error. If one exists, follow Hitachi procedures for resolving the problem. If not, contact the SAMS:Disk Technical Support Center for assistance.

2511 NOT ALL ALIASES COULD BE DEFINED FOR DATA SET (ddd)

Explanation: While attempting to catalog a VSAM data set to the pseudo-volume, SAMS:Disk encountered an error creating an alias pointer for component name (ddd). Previous error messages explain the error more specifically. Processing will continue and the data set will be cataloged without the alias name that caused the error.

If the correct alias is not supplied, an auto-restore task will not be invoked if the data set is referenced by the component name for which the alias could not be defined, but a “data set not found” condition will result.

If this occurs often, you may want to specify sysparm VSALSIDC with a value of Y, or contact the SAMS:Disk Technical Support Center for assistance.

2514 THE FOLLOWING CLUSTER HAS BEEN VERIFIED BY DMS PROCESSING: (ddd)

Explanation: SAMS:Disk encountered an error during OPEN processing of cluster (ddd) indicating that a VERIFY was required to process the data set. SAMS:Disk issued the VERIFY based on a user installation option. This message is for informational purposes only and no user action is required.

2515 **THE FOLLOWING CLUSTER COULD NOT BE OPENED AFTER A VERIFY DATA SET BYPASSED: (ddd)**

Explanation: SAMS:Disk issued a VERIFY against cluster (ddd) after an OPEN error was detected. Following the VERIFY, SAMS:Disk again attempted to OPEN the data set, but was not allowed to because of a second OPEN error. Refer to subsequent error messages indicating the cause of the second OPEN failure. The cluster was not archived by SAMS:Disk.

2516 **THE FOLLOWING ERROR WAS DETECTED DURING OPEN PROCESSING OF CLUSTER (ddd)**

Explanation: Data set (ddd) could not be opened. This message should be followed by SAMS:Disk message 2547 indicating the exact cause of the OPEN failure. The data set was bypassed for processing.

2517 **THE FOLLOWING DATA SET IS EITHER EMPTY OR HAS NOT BEEN LOADED: (ddd). ONLY THE DATA SET'S ATTRIBUTES HAVE BEEN ARCHIVED**

Explanation: SAMS:Disk has determined that data set (ddd) is either empty or unloaded. Therefore, only the data set's attributes were copied to tape. This message is informational only, and no user action is required. Sysparm VSMSGEMP controls issuing of this message.

2518 **THE FOLLOWING CLUSTER FAILED DMS PASSWORD CHECKING: (ddd) - COMPONENT TYPE (ccc) VOLUME (vvv)**

Explanation: SAMS:Disk detected an invalid password while attempting to process cluster (ddd), a (ccc)-type component on volume (vvv). Verify that a password was entered. If a password was supplied, verify that it was spelled correctly. Processing was not allowed for the data set.

2519 **<variable text>**

The message text varies depending on the issuing module. One of the following are possible:

DEFINE FAILED FOR ALIAS = (aaaaaaaa), BEING RELATED TO ENTRY= (ddd)

SMS DENIED DEFINE FOR CLUSTER (ddd), STORAGE CLASS IS (sss), DATA CLASS IS (eee), MANAGEMENT CLASS IS (mmm). SEE MESSAGE nnnn IN THE IBM SYSTEM MESSAGES MANUAL

CATALOG ERROR OCCURRED FOR RELATED ENTRY

VSAM DEFINE FAILED FOR DATASET = (ddd), VOLSER = (vvvvvv) BEING RELATED TO ENTRY = (eeeeeeee) IN CATALOG (ccc) FOR THE FOLLOWING REASON:

VSAM DEFINE FAILED FOR PATH = (ppp). THE PATH IS BEING RELATED TO AIX OR CLUSTER = (ddd) IN CATALOG (ccc) FOR THE FOLLOWING REASON:

Explanation: SAMS:Disk was returned an error condition from catalog management when attempting to DEFINE data set (ddd) in catalog (ccc). This message should be followed by SAMS:Disk message 2546, which gives a more detailed explanation of the error encountered.

2520 **THE FOLLOWING ERROR OCCURRED WHILE ISSUING A PUT REQUEST FOR CLUSTER (ddd) - RPL FEEDBACK CODE (ccc), REGISTER 15 CONTENTS = (nnn)**

Explanation: While attempting to write output records to data set (ddd), an error was detected by VSAM. Refer to the Hitachi publication OS/VS VSAM Programmer's Guide for a description of the error code encountered. This message should be followed by SAMS:Disk message 2545, which attempts to interpret the error codes.

2521 **THE FOLLOWING CLUSTER WAS DELETED BECAUSE OF SCRATCH PARAMETER: (ddd)**

Explanation: Cluster (ddd) was deleted because the SCRATCH parameter was present on the input command. This is an informational message only, and no user response is required.

2523 **THE MAXIMUM SIZE FOR A RELATIVE RECORD DATA SET OF 16,777,216 HAS BEEN EXCEEDED. USER 100 ABEND ENTERED**

Explanation: SAMS:Disk was processing a RRDS VSAM cluster that exceeded the maximum number of records that SAMS:Disk could write on the archive tape. This data set should be excluded from all SAMS:Disk archive operations. It must be backed up with standard Hitachi utilities.

2525 **FOLLOWING DATA SET IS MARKED UNMOVABLE: (ddd) USER HAS AUTHORIZED DMS TO PROCESS DATA SET: ****WARNING - DMS DOES NOT OFFICIALLY SUPPORT UNMOVABLE DATA SETS****

Explanation: Either you or your installation has authorized SAMS:Disk to process an unmovable data set via the UNMOVEAR or UNMOVEVC sysparms. SAMS:Disk does not officially support unmovable data sets; however it does provide the means to process them anyway. Data set (ddd) is marked unmovable, but SAMS:Disk will process the data set anyway. This message is informational only and no further action is required.

2526 **FOLLOWING DATA SET IS MARKED UNMOVABLE: (ddd) THIS DATA SET BYPASSED**

Explanation: SAMS:Disk has bypassed processing for data set (ddd) because it is marked unmovable. SAMS:Disk does not support unmovable data sets. No further action is required.

2527 **USER PROCESSING OPTION HAS ELECTED NOT TO RECATALOG UNCATALOGED DATA SETS TO THE PSEUDO-VOLUME**

Explanation: When SAMS:Disk is recataloging to the pseudo-volume, default processing is to recatalog all data sets to the pseudo-volume whether the data set was originally cataloged or not. The user has elected via the RECATPSU sysparm to not recatalog data sets that were not cataloged originally. This message is informational only and no action is required.

2528 **UNABLE TO UPDATE RESTCMDS SUBFILE AFTER SUCCESSFULLY RESTORING DATA SET NAME = (ddd)**

Explanation: SAMS:Disk attempted to update the RESTCMDS subfile after successfully restoring data set (ddd). The attempt failed because the record somehow was deleted during the restore operation (possibly by the same user who requested RESTORE). An attempt was then made to insert a new record; this failed, thus causing a user 100 abend. Because SAMS:Disk failed to update the subfile, the user should assume that the files data set is invalid and should look for other error messages. A reorganization of the files data set is in order.

2529 **UNABLE TO UPDATE RESTCMDS SUBFILE AFTER FAILING TO RESTORE DATA SET NAME (ddd)**

Explanation: SAMS:Disk attempted to update the RESTCMDS subfile after failing to restore data set (ddd). The update attempt failed because the record somehow was deleted during the restore operation (possibly by the same user who requested RESTORE). An attempt was then made to insert a new record; this failed, thus causing a user 100 abend. Because SAMS:Disk failed to update the subfile, the user should assume that the files data set is invalid and should look for other error messages. A reorganization of the files data set is in order.

2530 ****** WARNING - RESTCMDS SUBFILE RECORD MISSING WHEN UPDATE ATTEMPTED AFTER SUCCESSFULLY RESTORING DATA SET NAME = (ddd) NEW RECORD INSERTED**

Explanation: After SAMS:Disk successfully restores a data set, it will normally attempt to update the RESTCMDS subfile record that originally requested the restore with information about the restore. When it restored data set (ddd), SAMS:Disk tried to do this but found the record missing. The record was deleted sometime between the start of the dispose job and when SAMS:Disk tried to update the RESTCMDS subfile record. Probably the user who originally requested the restore also deleted the request. The data set was restored successfully and a new record was inserted into the RESTCMDS subfile. This message is informational only and no further action is needed.

2531 ****** WARNING - RESTCMDS SUBFILE RECORD MISSING WHEN UPDATE ATTEMPTED AFTER FAILING TO RESTORE DATA SET NAME = (ddd) NEW RECORD INSERTED**

Explanation: After SAMS:Disk successfully restores a data set, it will normally attempt to update the RESTCMDS subfile record that originally requested the restore with information about the restore. When it restored data set (ddd), SAMS:Disk tried to do this but found the record missing. The record was deleted sometime between the start of the dispose job and when SAMS:Disk tried to update the RESTCMDS subfile record. Probably the user who originally requested the restore also deleted the request. The data set was not restored and a new record was inserted into the RESTCMDS subfile. The fact that the data set restore failed has nothing to do with this message. This message is informational only and no further action is needed.

2532 **ACFXXXXX-XX,XXX ACF2 VIOLATION, etc.....**

Explanation: SAMS:Disk has encountered an CA-ACF protected data set. When the CA-ACF2 support is turned on in SAMS:Disk, SAMS:Disk will ask CA-ACF2 if SAMS:Disk is authorized to process all the data sets it encounters. If CA-ACF2 denies SAMS:Disk access to a data set, CA-ACF2 passes the violation message back to SAMS:Disk. SAMS:Disk will then print that message as described here. To find out the meaning of these messages, look them up in the CA-ACF2 Messages Manual. SAMS:Disk has bypassed the data set. Change the CA-ACF2 rules governing the data set if you desire to process the data set with SAMS:Disk.

2533 **DATA SET NAME = (ddd) ON VOLUME = (vvv) NOT PROCESSED DUE TO ACF2 PROTECTION**

Explanation: SAMS:Disk processing has encountered data set (ddd) on volume (vvv), and has determined that it is protected by CA-ACF2, whose rules did not allow SAMS:Disk to process it. Message 2532 should have been issued before this message giving the reason CA-ACF2 denied access. No further action need be taken by user unless it is desired that SAMS:Disk process the data set, in which case the CA-ACF2 rules governing the use of the data set will need to be changed.

2534 **MODULE NAME = (mmm)**
NOT EXECUTED DUE TO ACF2 PROTECTION

Explanation: SAMS:Disk processing has encountered an CA-ACF protected module (mmm) whose rules did not allow SAMS:Disk to execute it. Message 2532 should have been issued before this message giving the reason CA-ACF2 denied execution. If it is desired that SAMS:Disk be allowed to execute the module, the CA-ACF2 rules governing the use of the module will need to be changed. SAMS:Disk has terminated processing.

2535 **VOLUME = (vvv)**
NOT PROCESSED DUE TO ACF2 PROTECTION

Explanation: SAMS:Disk processing has encountered an CA-ACF protected volume (vvv) whose rules did not allow SAMS:Disk to process it. Message 2532 should have been issued before this message giving the reason CA-ACF2 denied access. If it is desired that SAMS:Disk be allowed to access the volume, the CA-ACF2 rules governing the use of the volume will need to be changed. SAMS:Disk will proceed to the next volume if there is one.

2536 **VSAM CATALOG, DATA SET NAME = (ddd)**
ON VOLUME = (vvv)
NOT PROCESSED DUE TO ACF2 PROTECTION

Explanation: SAMS:Disk processing has encountered an CA-ACF protected VSAM catalog (ddd) on volume (vvv) whose rules did not allow SAMS:Disk to process it. Message 2532 should have been issued before this message giving the reason CA-ACF2 denied access. No further action need be taken by user unless it is desired that SAMS:Disk process the VSAM catalog, in which case the CA-ACF2 rules governing the use of the catalog will need to be changed to allow SAMS:Disk to process it.

2537 **VSAM CLUSTER, DATA SET NAME = (ddd)**
COMPONENT OF CLUSTER = component id
ON VOLUME = (vvv)
NOT PROCESSED DUE TO ACF2 PROTECTION

Explanation: SAMS:Disk processing has encountered an CA-ACF protected VSAM cluster (ddd) whose rules did not allow SAMS:Disk to process it. Along with the cluster name is printed the component of the cluster (cluster, data, index, path, or AIX). Message 2532 should have been issued before this message giving the reason CA-ACF2 denied access. SAMS:Disk bypassed the cluster. No further action need be taken by user unless it is desired that SAMS:Disk process the cluster, in which case the CA-ACF2 rules governing the use of the cluster will need to be changed.

2538 **SECURDSN MEMBER IN PARMLIB EITHER DOES NOT EXIST OR IS EMPTY. PROCESSING TERMINATED**

Explanation: Because either the SECURFIL or SECURCMD sysparm was specified, SAMS:Disk looked for the SECURDSN member in the PARMLIB data set. SAMS:Disk found that either the member was missing or was empty. Either condition is invalid for SAMS:Disk, because protection of the files or commands requires that you define entries in this member. Processing is terminated. Correct the situation before rerunning the job.

2539 **MEMORY NOT AVAILABLE TO LOAD SECURDSN TABLE INTO VIRTUAL STORAGE - INCREASE REGION SIZE AND RERUN**

Explanation: SAMS:Disk was trying to load the SECURDSN table into memory but ran out of storage in the attempt. Increase the region size and rerun the job.

2540 **INVALID RESOURCE VERIFICATION FOUND IN COLUMN 1 OF A SECURDSN PARMLIB MEMBER ENTRY - ONLY C, F OR T IS ALLOWED -**
ENTRY = (mmm)
PROCESSING TERMINATED

Explanation: In building the SECURDSN member in memory, an invalid member entry was encountered. Column 1 is signaled out as the problem. Something other than C, F or T was specified. The member entry is (mmm). Correct the member entry and rerun the job.

2541 **INVALID RESOURCE ID FOUND IN A SECURDSN MEMBER OF PARMLIB ENTRY:**
FIRST CHARACTER IN COLUMN 2 IS BLANK
ENTRY MUST BE LEFT-JUSTIFIED IN ITS FIELD -
ENTRY = (mmm)
ENTRY PROCESSING TERMINATED

Explanation: In building the SECURDSN member in memory, an invalid member entry was encountered. A blank was found in column 2. All SECURDSN member entries must be left-justified within their assigned fields. The member entry is (mmm). Correct and rerun the job.

2542 **INVALID VOLUME FOUND IN A SECURDSN MEMBER OF PARMLIB ENTRY -**
FIRST CHARACTER IN COLUMN 17 IS BLANK
ENTRY MUST BE LEFT-JUSTIFIED IN ITS FIELD -
ENTRY = (mmm)
ENTRY PROCESSING TERMINATED

Explanation: In building the SECURDSN member in memory, an invalid member entry was encountered. A blank was found in column 17. All SECURDSN member entries must be left-justified within their assigned fields. The member entry is (mmm). Correct and rerun the job.

2543 **INVALID DSN FOUND IN A SECURDSN MEMBER OF PARMLIB ENTRY -**
FIRST CHARACTER IN COLUMN 23 IS BLANK -
ENTRY MUST BE LEFT-JUSTIFIED IN ITS FIELD -
ENTRY = (mmm)
ENTRY PROCESSING TERMINATED

Explanation: In building the SECURDSN member in memory, an invalid member entry was encountered. A blank was found in column 23. All SECURDSN member entries must be left-justified within their assigned fields. The member entry is (mmm). Correct and rerun the job.

2544 **ACCESS/REQUEST DENIED BECAUSE OF SECURITY VIOLATION**

Explanation: User tried to access a security-protected resource. This resource was defined by the installation's security procedures as not accessible for the purposes of this job. Request was denied. See your local security administrator for access to this resource.

2545 LOGICAL ERROR DURING PROCESSING, RPL FDBK=(nnn)

Explanation: SAMS:Disk has detected an error while processing a VSAM data set, and encountered RPL feedback code (nnn). This code is explained in detail in the Hitachi publication VSAM Programmer's Reference Guide. In addition, SAMS:Disk stores a list of the most commonly encountered return codes. If this error code is in the SAMS:Disk table, subsequent lines detailing the nature of the error will appear with this message. If the problem cannot be resolved locally, contact the SAMS:Disk Technical Support Center.

If the RPL feedback code in the message indicates an out-of-sequence record condition (FDBK=12), you have several options to consider. sysparm VSSEQCNT sets the maximum number of sequence errors SAMS:Disk will allow before failing the restoration of the data set (the default value is zero, which causes the restore to fail when the first error of this type is encountered). If this value is other than zero, SAMS:Disk will continue processing the data set, but the record in error is not loaded into the cluster. This record must be entered manually after the data set is restored.

Another option you may consider is to use the SAMS:Disk extract utility to load the records to a sequential data set. Then sort the records using the proper key length and offset for the cluster. Then use the JSCVSUT REPRO facility to load the cluster. You can use SAMS:Disk to restore only the cluster's attributes by specifying NOLOAD on the restore command.

2546 CATALOG RETURN CODE IS (cc) - REASON CODE IS (nn)

Explanation: While processing a catalog management request, SAMS:Disk detected an error corresponding to the Hitachi message JSC0009I-S. SAMS:Disk stores a list of common catalog management return codes. If the error code in the text is found in the SAMS:Disk table, subsequent message lines will explain the error in greater detail. If the problem cannot be resolved, contact the SAMS:Disk Technical Support Center for further assistance.

For return code 32, reason code 14, see sysparm VSALSIDC for circumvention. For return code 50, reason code 18, see sysparm VSNOSCRO for circumvention.

For reason code 212: Typically this condition code is encountered only when moving a VSAM data set to a different device type, and the control interval size specified (either the values with which the cluster was archived or those entered via the CISZ=, DCISZ= or ICISZ= parameters of the RESTORE command) is too small for the control area being generated on the new device type. The new device can hold more data control intervals per control area than the original device could. Since each index control interval has to be large enough to hold pointers to every data control interval in its control area, the definition is failed by catalog management to prevent under-utilization of the data area.

You may circumvent this problem by any of these means:

- Increase the index's CISZ so that it can hold more pointers
- Increase the data's CISZ so that there are fewer data control intervals per control area
- Decrease the control area size so the original control interval values will be valid

To change the control interval size, restore the data set explicitly with one of the CISZ= parameters, or specify sysparm VSATTRIBY to let the system generate new control interval sizes (exit VSATTREX is also available to allow changes from a user exit).

IMPORTANT NOTE: If the VSAM data set is an IMS, CICS or XDM/RD data base, it may not be possible to change the cluster's control interval size, since this value is coded in the DBDGEN for the data base and also affects the space required to allocate to data buffers. In this case the only alternative is to decrease the control area size by changing the space allocation for the cluster. For a discussion on how to influence control area sizes, refer to the

Hitachi manual VOS3/M-series VSAM User's Guide, Chapter 3, VSAM Performance Considerations, under "Control Area Size".

For return code 138, the SAMS:Disk SAMS:Allocate interface (documented and distributed separately) has detected an error. Consult additional messages issued by SAMS:Allocate. (Note: As part of SAMS:Allocate installation, it is possible to change the return code set from 138 to some other value. Check your installation of SAMS:Allocate to determine what value is set.)

2547 ERROR DURING VSAM OPEN: ACBERFLG=(nn)

Explanation: While attempting to open a VSAM cluster, SAMS:Disk detected error (nn), which was returned in the ERROR field of the ACB. A list of these return codes is found in Hitachi's VSAM Programmer's Guide. SAMS:Disk stores a list of common OPEN error return codes. If the error code in the text is found in the SAMS:Disk table, subsequent message lines will explain the error in greater detail.

ACBERFLG=148

- The DSN prefix for the cluster was not defined in the master catalog for the user catalog being accessed. Either connect the catalog to the master catalog, supply a STEPCAT for the user catalog, or (if RESTORE) restore the data set to the proper user catalog.

ACBERFLG=160

- The installation may have a product called VIO Plus from Softworks installed. This is a known problem that can occur in VIO Plus prior to Release 4.1. If a prior release of this product is installed, exempt SAMS:Disk processing from its control.

2548 VREPORT COMMAND IS NO LONGER SUPPORTED UNDER REPORT PROC. VSAM REPORTS ARE NOW GENERATED VIA IMPLICIT VSAM SUPPORT VREPORT COMMAND IGNORED

Explanation: The VREPORT command became obsolete in Release 5.0. This command is ignored and processing continues with the next command in the input stream. VSAM reports can be generated via the REPORT command under the Implicit VSAM support of SAMS:Disk. Refer to Section 4, Retention Control, in the User's Guide for further information.

2549 **NOTE - ALL VSAM CLUSTER ALLOCATIONS FOR THIS STEP WILL 00360003 BE MADE WITH DISP=SHR**

Explanation: SAMS:Disk has detected the presence of sysparm VSALOSHR. The message is issued as a warning in case specifying this sysparm could cause unexpected results to occur. This is an informational message only, and no response by the user is required.

2550 **THE FOLLOWING PREALLOCATED CLUSTER IS BEING RESTORED WITH THE REUSE OPTION: (ddd)**

Explanation: VSAM cluster (ddd) is being restored with the reusable option. SAMS:Disk used an existing definition for the cluster rather than the one stored on the archive tape. This is an informational message only, and no response is required by the user.

2551 **THE FOLLOWING CLUSTER IS BEING RESTORED WITH ITS PREDEFINED ATTRIBUTES: (ddd)**

Explanation: VSAM cluster (ddd) is being restored to a predefined cluster based on options supplied to SAMS:Disk. Because of this, SAMS:Disk cannot ensure the integrity of the restored cluster. This is an informational message only, and no response is required by the user.

2552 **CLUSTER WAS NOT RESTORED BECAUSE IT IS NOT DEFINED AS REUSABLE AND ITS HIGH USED RBA EXCEEDED 0: CLUSTER NAME (ddd)**

Explanation: Based on installation options in effect at run time, SAMS:Disk attempted to restore VSAM cluster (ddd) as a predefined cluster. However, the existing cluster definition does not specify the REUSABLE attribute and the cluster appears to have data in it. SAMS:Disk terminated the restore to avoid loss of data in the existing cluster.

If the cluster being restored to should be scratched prior to the restore, specify the SCRATCH parameter and resubmit the job. If the cluster was intended to be predefined, be sure the cluster contains no data. If it does, it cannot be used by SAMS:Disk as a predefined cluster.

2553 ****WARNING** THE FOLLOWING BASE CLUSTER ORIGINALLY HAD ALTERNATE INDEX OR PATH ASSOCIATIONS - THE ALTERNATE INDEX AND/OR PATHS MUST BE REBUILT BY THE USER - BASE CLUSTER NAME = (ddd)**

Explanation: VSAM base cluster (ddd) was defined originally with path and/or alternate indexes. By restoring this cluster with SAMS:Disk, all path and alternate index associations were lost. They must be redefined and rebuilt by the user.

2555 **THE FOLLOWING IS AN INVALID COMPOUND CONDITION TEST: (xxx) THE ONLY VALID TESTS ARE: AND, OR**

Explanation: The compound condition test specified (xxx) is not supported. This condition is usually caused by an incorrect number of subparameters being specified on the CRITERIA parameter. Every fourth subparameter is expected to be a compound condition test. Be sure the command has the proper command format with the necessary commas:

```
CRITERIA=(OPERAND1,OPERATOR,OPERAND2,COMPOUND CONDITION,OPERAND3,...)
```

Correct the error and resubmit the job.

2556 **FORMAT-1 DSCB NOT FOUND FOR DATA COMPONENT (ddd) ON VOLUME (vvv) - IT IS ASSOCIATED WITH CLUSTER (ccc). A DEFAULT LAST USE DATE OF 12/31/99 WAS USED**

Explanation: A selection criteria of USEDT was specified on a SELECT or EXCLUDE command, causing SAMS:Disk to attempt to retrieve a format-1 DSCB for the data component of cluster (ddd). This is where the last use date is stored for clusters defined in an DMF/EF Type-2 catalog. However, a format-1 DSCB could not be found for the data component on volume (vvv). The data component is associated with base cluster (ccc). This can be caused by one of the following conditions:

- The cluster is defined in a user catalog and is suballocated. If the catalog named on the SCAN CATALOG= command is not an DMF/EF Type-2 catalog, the USEDT reference is invalid (last use date is not supported in VSAM user catalogs).
- The volume information for the cluster found in the DMF/EF Type-2 catalog is incorrect.

When this condition is encountered, a last use date of December 31, 1999, is assumed for the cluster. This will prevent the cluster from being archived based on an invalid last use date.

2557 **INVALID LAST USE DATE (nnn) FOR DATA COMPONENT (ddd) ON VOLUME (vvv) - IT IS ASSOCIATED WITH CLUSTER (ccc). A DEFAULT LAST USE DATE OF 12/31/99 WAS USED**

Explanation: A selection criteria of USEDT was specified on a SELECT or EXCLUDE command, causing SAMS:Disk to retrieve the format-1 DSCB for the data component of cluster (ddd) on volume (vvv). This is where the last use date is stored for clusters defined in an DMF/EF Type-2 catalog. However, the format-1 DSCB contained a hexadecimal date of (nnn), which SAMS:Disk assumes to be invalid. The data component is associated with base cluster (ccc). This condition can be caused by one of the following:

- The cluster is defined in a user catalog and was defined as UNIQUE, causing a format-1 DSCB to be written for the data set. However, the last use date in this format-1 DSCB is never updated and therefore should always contain binary zeros. If the catalog named on the SCAN CATALOG= command is not an DMF/EF Type-2 catalog, the USEDT reference is invalid and should not be used.

- The data set being referenced is defined in an DMF/EF Type-2 catalog, but either the last use date support has not been implemented, or the data set was explicitly bypassed for last use date updating. In order to implement datestamp processing for VSAM clusters defined in an DMF/EF Type-2 catalog, the datestamp control module (IDATMSTP) must be replaced in IDA0192B with another module that sets a return code of 4. Refer to the Hitachi publication OS/VS Virtual Storage Access Method Programmer's Guide for further information regarding this exit (updated by TNL GN26-0906 on 27 Feb. 1981).

When this condition is encountered, a last use date of December 31, 1999, is assumed for the cluster. This will prevent the cluster from being archived based on an invalid last use date.

2558 **A DATA COMPONENT WAS NOT ASSOCIATED WITH THE FOLLOWING CLUSTER: (ddd)**

Explanation: VSAM cluster (ddd) does not contain a data component association in the catalog. List the cluster with the JSCVSUT LISTCAT utility to determine the extent of the error. The entry is probably unusable and should be deleted from the catalog.

2559 **AN INDEX COMPONENT WAS NOT ASSOCIATED WITH THE FOLLOWING KSDS: (ddd)**

Explanation: KSDS cluster (ddd) does not contain an index component association in the catalog, although it is marked as a KSDS. List the cluster with the JSCVSUT LISTCAT utility to determine the extent of the error. The entry is probably unusable and should be deleted from the catalog.

2560 **VSAM CATALOG ERROR FOR (ddd)**

Explanation: This message indicates an error occurred during a call to catalog management. The error was detected for data set (ddd). This message is followed by message 2546 describing the nature of the error.

2562 **RECORD TOTALS DO NOT MATCH FOR DATA SET (ddd) CATALOG TOTAL = (nnn) DMS TOTAL = (ttt)**

Explanation: After reading the indicated data set (ddd), SAMS:Disk compared the total number of records it read against the record total found in the catalog. The two values did not match. If the total in the catalog (nnn) is less than the total calculated by SAMS:Disk (ttt), the mismatch is probably caused by an incorrect total in the catalog. This is especially true for IMS-type data sets which do not go through standard close and therefore do not have accurate statistics in the catalog.

If the catalog total is greater than the SAMS:Disk total, this also is normally caused by an incorrect catalog total. Again, this is more prevalent in IMS-type data sets. However, this discrepancy should be viewed with more caution since it may be an indication of lost data. If you are suspicious of a particular SAMS:Disk total, run a different utility (such as JSCVSUT PRINT) to determine the number of records it reads in the data set. If this total is different from the SAMS:Disk total, contact the SAMS:Disk Technical Support Center for assistance.

This message is strictly informational in nature. No action is required of the user. Sysparm VSMSGTOT controls issuing of this message.

2563 **DATA CONTROL INTERVAL WAS BEING SPLIT WHEN SYSTEM ABEND OCCURRED - DATA SET = (ddd), RELATIVE BYTE ADDRESS = (nnn)**

Explanation: This message is issued when the CIDFBUSY flag is on in the control interval definition field (CIDF) of the data control interval of data set (ddd). This indicates that during prior processing of the cluster, an abend occurred while VSAM was in the process of splitting the control interval. This bit is turned on at the start of split processing and is turned off after the split has completed. Since this bit is still on, a system abend occurred before the split could be completed and therefore the integrity of the cluster may be lost. For more information regarding control interval splits, refer to the Hitachi publication OS/VS VSAM Options for Advanced Applications.

This message is for informational purposes only and causes no change in SAMS:Disk processing of the cluster. If no other error messages are issued for this cluster (message 2562 in particular), the data set is probably intact.

2564 **CONTROL INTERVAL UPDATE NUMBER DOES NOT MATCH PRECEDING CONTROL INTERVAL - DATA SET = (ddd) RELATIVE BYTE ADDRESS = (nnn)**

Explanation: When VSAM updates a spanned record, it keeps a count of the update number in all control intervals in which that record resides. Each time the record is updated, all control intervals for the record have this update count incremented by one. This message indicates that for data set (ddd) these update numbers do not match for all control intervals in which the record resides.

This message is for informational purposes only and has no affect on the processing of the cluster by SAMS:Disk. Since this error could mean a loss of data integrity for the record, it should be inspected to verify that the data is intact. For more information regarding control interval split update numbering, refer to the Hitachi publication OS/VS VSAM Options for Advanced Applications.

2566 **Invalid option for CIA Report - Must be either "CATLG", "DUMP", or "DETAIL"**

Explanation: An invalid parameter was specified for the CIAOPT= parameter of the ARCHIVE or REPORT command. Correct the parameter to CATLG, DUMP or DETAIL and resubmit the job.

2567 PROCESSING STARTED FOR CATALOG = (ccc)

Explanation: This message is for informational purposes only. It indicates that the processing requested by the user has begun on catalog (ccc). No action is required by the user.

2568 SEQUENCE SET RBA POINTER IS GREATER THAN THE HIGH ALLOCATED RBA FOR THE INDEX - SEQUENCE SET RBA = (nnn)

Explanation: The sequence set relative byte address (RBA) (nnn) is greater than the high allocated RBA for the index. The RBA value in the message text is either:

- The RBA of the first sequence set record, which is obtained from the AMDSSRBA field of the AMDSB for the cluster
- The RBA value found in the IXHHP field in the current sequence set control interval, which is used as a horizontal pointer to the next index control interval in sequence

Because this value is out of the range defined for the cluster's index in the catalog, SAMS:Disk stops processing on the cluster (a read of this RBA could cause a program abend).

This error should be attended to immediately. First attempt to read the cluster using logical access methods. This can be accomplished by rerunning the SAMS:Disk job with sysparm VSACCESS specified with a value of L (check the SAMS:Disk user exit VSACESEX too), or by using the JSCVSUT PRINT facility. If either of these methods completes without error messages, contact the SAMS:Disk Technical Support Center for assistance. However, if these methods also produce a logical VSAM error, a data set restore may be in order. This data set MUST be corrected before SAMS:Disk can archive it.

2569 **SEQUENCE SET RBA POINTER FOR (ddd) IS GREATER THAN THE HIGH USED RBA FOR THE INDEX COMPONENT - SEQUENCE SET RBA = (nnn)**

Explanation: The RBA value (nnn) for the index sequence set is greater than the high used RBA for the index component in the catalog for data set (ddd).

This error is similar to the error described in message 2568 but is not as severe. It is usually caused by bad cluster information in the catalog. This is only an informational message. SAMS:Disk will continue to process this cluster.

If you are able to read the cluster using logical access methods (as described in message 2568), you may ignore this message. To cause SAMS:Disk to not print this message, restore the cluster using the backup of the cluster just created (thus correcting the catalog information).

If you are unable to read the cluster, or the backup fails for other reasons, restore the data set from an earlier version.

2570 **ERROR RETRIEVING INDEX RECORD AT RBA = (nnn)**

Explanation: A VSAM error was detected attempting a direct read of the control interval at relative byte address (nnn). Refer to the subsequent SAMS:Disk message 2524 for error analysis and resolution.

2571 **CALCULATED DATA CI RBA POINTER IS GREATER THAN THE HIGH ALLOCATED RBA FOR THE DATA COMPONENT. CALCULATED RBA = (nnn)**

Explanation: A data control interval address which was calculated by SAMS:Disk was out of the range of the data component. The control interval address is calculated by adding the control area's base RBA (CDKRCICA) to the product of the data control interval size and the relative data control interval in the control area (CDKRCICA). This error stops all processing for the cluster.

Attempt to read the data set using VSAM logical access. This can be accomplished by either rerunning the SAMS:Disk job with sysparm VSACCESS specified with a value of L (check SAMS:Disk user exit VSACESEX too), or by printing the data set with the JSCVSUT PRINT utility. If the data set can be accessed by logical access, contact the SAMS:Disk Technical Support Center for assistance. If it cannot be accessed, the cluster may need to be restored to a prior backup level.

2572 **CALCULATED DATA CI RBA POINTER FOR (ddd) IS GREATER THAN THE HIGH USED RBA FOR THE DATA COMPONENT - CALCULATED RBA = (nnn)**

Explanation: The calculated RBA value is greater than the high used RBA for data set (ddd). This error is similar to the error described in message 2571 but is not as severe. It is usually caused by bad cluster information in the catalog. This is only an informational message. SAMS:Disk will continue to process the cluster.

If you are able to read the cluster using logical access methods (as described in message 2571), you may ignore this message. To cause SAMS:Disk to not print this message, restore the cluster using the backup of the cluster just created (thus correcting the catalog information).

If you are unable to read the cluster, or the backup fails for other reasons, the data set must be restored from an earlier version.

2573 **ERROR RETRIEVING DATA CI AT RBA = (nnn)**

Explanation: A VSAM error was detected attempting a direct read of the control interval at relative byte address (nnn). Refer to the subsequent SAMS:Disk message 2524 for error analysis and resolution.

2574 **DATA SET CANNOT HAVE SPANNED RECORDS - DSN (ddd)**

Explanation: Data set (ddd) appears to have an internal error. A data control interval was read which indicated that the control interval contained part of a spanned record, but the catalog information indicates that the data set cannot have spanned records. Processing is terminated for the cluster.

Problem resolution: Attempt to read the cluster using VSAM logical access. This may be accomplished by either rerunning the SAMS:Disk job with sysparm VSACCESS specified with a value of L (check SAMS:Disk user exit VSACESEX too), or by using the JSCVSUT PRINT facility. If the error cannot be reproduced by these methods, contact the SAMS:Disk Technical Support Center for assistance.

2575 **SOFTWARE END OF FILE FOR INDEX ENCOUNTERED FOR DSN = (ddd) AT RBA = (nnn)**

Explanation: An unexpected empty sequence set control interval was read at the relative byte address (nnn) in data set (ddd). To avoid a critical error, SAMS:Disk immediately stops processing for the cluster. Try to access the cluster using logical access techniques. If the problem cannot be reproduced, contact the SAMS:Disk Technical Support Center for assistance.

2576 **MORE THAN 20 SUBFILES IN USE AT ONE TIME - PROCESSING TERMINATED**

Explanation: A function of SAMS:Disk is running which is accessing more than 20 subfiles of the SAMS:Disk files data set. Contact the SAMS:Disk Technical Support Center to resolve this problem. It should never occur.

2577 **ACCESS TO DSNINDEX SUBFILE VIA LISTD COMMAND DENIED BECAUSE OF SECURITY VIOLATION**

Explanation: An attempt to use the LISTD command failed because user did not have read authority for the DSNINDEX subfile. User should contact the security administrator if access is desired. Rerun the job if the read authority is given.

2578 **ACCESS TO ARCHVOLS SUBFILE VIA LISTV COMMAND DENIED BECAUSE OF SECURITY VIOLATION**

Explanation: An attempt to use the LISTV command failed because user did not have read authority for the ARCHVOLS subfile. User should contact the security administrator if access is desired. Rerun the job if the read authority is given.

2579 **COMMAND USE DENIED BECAUSE OF SECURITY VIOLATION**

Explanation: Use was denied for a SAMS:Disk command because it was protected by the installation's security system. User should contact the security administrator to get authorization to use command. If authorization is given, rerun the job.

2580 ACF2 NOT ACTIVE AND OK TO PROCEED NOT GIVEN

Explanation: SAMS:Disk was started with the CA-ACF2 support turned on. However, CA-ACF2 itself was not active, and the installation has not specified sysparm ACF2FORCY (which allows SAMS:Disk to process, even if CA-ACF2 is down); therefore, SAMS:Disk abended. Have your installation specify the sysparm as shown to get SAMS:Disk to run when CA-ACF2 is down, or wait until CA-ACF2 is active again before restarting SAMS:Disk.

2581 DERASE REQUEST DENIED BECAUSE OF SECURITY VIOLATION

Explanation: The installation security procedures have denied a DERASE request for either a deferred restore request or a deferred archive request. Consult with the installation security administrator to determine why the request was denied.

2582 SECURITY VIOLATIONS HAVE EXCEEDED LIMIT OF (nnn); TASK TERMINATED

Explanation: Your SAMS:Disk administrator has instructed SAMS:Disk to terminate tasks that have over (nnn) security violations detected by any of the SAMS:Disk Security Interfaces. Change your use of SAMS:Disk to not cause so many errors, or have your SAMS:Disk administrator increase the value of SAMS:Disk sysparm SECURLIM.

2584 OBTAIN OF FORMAT-1 DSCB FOR FILES DATA SET FAILED

Explanation: In doing a reload, SAMS:Disk tried to retrieve the format-1 DSCB for the files data set, but failed. This should not happen. If it does, check your JCL and make sure the data set is actually online. If it is, contact the SAMS:Disk Technical Support Center for assistance.

2585 UNABLE TO READ JFCB OF FILES DATA SET

Explanation: In doing a reload, SAMS:Disk tried to read the JFCB of the files data set, but failed. This should not happen. If it does, check your JCL and make sure the data set is actually on disk pack. If it is, contact the SAMS:Disk Technical Support Center for assistance.

2586 **NO DMS RACFENCD RECORD EXISTS FOR THE FOLLOWING DATA SET CONTAINED IN THE DMS ARCHIVES: DSNAME=(ddd), ARCHIVE DATE=(yyyy.ddd), ARCHIVE TIME=(hh:mm)**

Explanation: SAMS:Disk was attempting to process an archive copy of data set (ddd) for which SAMS:Disk saved a copy of its discrete RACF profile at archive time. The RACFENTY sysparm was set to 2, which tells SAMS:Disk that an encoded profile name has been saved in the RACFENCD subfile for this archived data set. However, the record could not be found in the RACFENCD subfile. To process this data set, turn off the SAMS:Disk RACF Interface by specifying sysparm RACFSUPPn or first run the RACFCHK1 utility.

2594 **REQUESTED BLOCK NUMBER DOES NOT EXIST ON ARCHIVE TAPE: VOLUME=(vvv), FILE NUMBER=(nnn), BLOCK NUMBER=(bbb)**

Explanation: SAMS:Disk was attempting to locate a data set on an archive tape volume. The archive index indicated that the data set existed on tape volume (vvv) in archive file number (nnn) on the archive tape, and that this file could be located on block number (bbb) on the tape. SAMS:Disk was unable to locate the specified block number on the tape.

This problem is usually associated with a tape I/O error. Rerun the job again to determine if the problem can be reproduced. If the error recurs, use the SAMS:Disk copy tape if one exists.

If this still does not solve the problem, verify that the data set being restored was archived to that tape volume, and the correct files data set is being used by SAMS:Disk. Use the archive tape analysis utility to determine the exact contents of the tape.

If archive tape analysis shows the correct information on the tape, use the REBUILD function to reconstruct the archive tape in the SAMS:Disk archive index.

2606 **DATA SET GENERATION NUMBER ON DATA SET. INVALID CONDITION. DATA SET NAME = (ddd)**

Explanation: In attempting to determine a specific generation number (that is, GnnnnVnn) for data set (ddd), SAMS:Disk found one had already been assigned. This condition should never occur under the GDG support provided by SAMS:Disk. If this occurs, make sure you do not have the (+1) coded in the JCL. If you do, remove it so that only the base level name is in the JCL. Then rerun the job.

2615 **EXPIRATION DATE OF ARCHIVE VOLUME (vvv) IS (ddd)**

Explanation: After rebuilding archive tape (vvv), SAMS:Disk indicates the tape will expire on (ddd). This message will only be issued when the user exit program name for sysparm TMSCTLEX is “ADSTH025".

2617 **EXPIRATION DATE FOR THE FOLLOWING ARCHIVE VOLUME RESET DATA SET NAME = (ddd) VOLUME = (vvv) EXPIRATION DATE WAS = (ddd) NEW EXPIRATION IS = (eee)**

Explanation: After resetting a DSNINDEX record to a higher expiration date, SAMS:Disk determined that archive tape volume (vvv) on which the data set (ddd) resides also needed to be reset to reflect the higher expiration date. Message is informational only. This message will only be issued when the user exit program name for sysparm TMSCTLEX is “ADSTH025".

2618 **TMC VOLSER RETURNED WAS NOT WHAT WAS EXPECTED VOLSER ON TMC RECORD = (vvv). VOLSER EXPECTED = (uuu)**

Explanation: SAMS:Disk requested a TMC record using volume (uuu) as a key. What was returned was a TMC record showing volume (vvv). This is a serious error. Verify in general that the TMC is correct, specifically the TMC record for this volume. If not, your TMC needs to be recovered. If the records are correct, contact the SAMS:Disk Technical Support Center. This message will only be issued when the user exit program name for sysparm TMSCTLEX is “ADSTH025".

2619 **UCC1 NOT ACTIVE ON SYSTEM**

Explanation: The SAMS:Disk CA-1 support was activated; however the CA-1 system was not active and SAMS:Disk could not continue. Wait for CA-1 to be activated or run SAMS:Disk with the CA-1 support turned off. This message will only be issued when the user exit program name for sysparm TMSCTLEX is “ADSTH025".

2620 TMC RECORD LOST WHEN TRYING TO UPDATE

Explanation: SAMS:Disk was attempting to replace an updated TMC record but instead found that the record was not there anymore. This should not happen because SAMS:Disk just got the record from the TMC. This is a serious error. Contact the SAMS:Disk Technical Support Center. This message will only be issued when the user exit program name for sysparm TMSCTLEX is “ADSTH025".

2621 FOLLOWING VOLUME NOT FOUND IN UCB CHAIN volser VOLUME =

Explanation: While reloading the files data set, SAMS:Disk received a RC > 2 from ADSDM462 indicating a bad UCB address was encountered. Contact the SAMS:Disk Technical Support Center.

2623 EXEMPTION TABLE = (ttt) NOT DEFINED PROCESSING TERMINATED

Explanation: EXEMPT was coded in a RETAIN control statement but SAMS:Disk did not find an exemption table. This is an invalid condition. SAMS:Disk terminates processing. If the EXEMPT parameter is specified, an exemption table must exist. Either take out the EXEMPT parameter or specify a valid table and resubmit the job.

2624 FOLLOWING DSN NOT AVAILABLE FOR PROCESSING, DSN = (ddd), VOLUME = (vvv). DSN WAS SCRATCHED OR ITS VOLUME TAKEN OFFLINE

Explanation: In a backup/archive/delete run, SAMS:Disk may scan ahead before it starts backing up or archiving. SAMS:Disk may store the data set names of selected data sets to be disposed of later, depending on the type of processing it is going to do. In this case, SAMS:Disk was going back to perform a disposal action on data set (ddd) that was on volume (vvv) when SAMS:Disk was scanning but the data set is gone now. Either someone deleted the data set or the volume was varied offline. SAMS:Disk notes the error and goes on to the next data set. No action is needed.

2625 **MIGRATE DD STATEMENT DUMMIED OUT IN NON-SIMULATE MODE; JOB TERMINATED.**

Explanation: While processing a request to migrate sequential data sets via the Sequential Migrate function, SAMS:Disk found the primary DD statement //MIGRATE was dummied out. This is invalid in a non-simulate mode as the results could be disastrous. Fix //MIGRATE DD statement to point to valid tape file and rerun the job.

2628 **THE LIST OF TARGET VOLUME CANDIDATES IS EMPTY**

Explanation: SAMS:Disk has removed all volumes specified in the TOVOLUME command parameter from the target volume list. This is either because the volume does not exist, is not valid, or contains no free space to hold data sets. Rerun SAMS:Disk with different TOVOLUME specified that has sufficient space to hold data sets.

2629 **DDNAME (xxx) IS ALREADY ALLOCATED, DEALLOCATE AND RE-ENTER DMS REQUEST DDNAME (xxx), DSN=(ddd)**

Explanation: The SAMS:Disk TSS commands require the use of DDNAME (xxx). It may be preallocated to the TSS session only if it is allocated to the correct data set name as specified in the DMSPARMS member during the SAMS:Disk installation process. Data set (ddd) is currently allocated to DDNAME (xxx).

See your local SAMS:Disk support representative for more information. To temporarily correct the problem, use the TSS FREE command to deallocate the specified DDNAME and then re-enter the SAMS:Disk command.

2630 **CANNOT OPEN MODEL DSCB FOR I/O PROCESSING, DATA SET HAS NO EXTENTS**

Explanation: The data set being used as a target data set has no extents allocated to it. SAMS:Disk assumes it is a model DSCB. No data can be written to it. This message is printed when a data set has zeros as the high and low cchhr addresses for the first extent of the data set in the format-1 DSCB. Preallocate a data set that has valid extents and rerun the SAMS:Disk function.

2631 VOLUME SPECIFICATION LIST CONTENTS

Explanation: This is a series of messages to indicate the contents of the retention control volume specification list that is to be used to process the user's RETAIN command. This set of messages is printed every time the name of the PARMLIB member used for the list changes. If multiple commands use the same list, the table will only be printed once. See Section 4, Retention Control, in the User's Guide for more information about the contents of these messages.

2632 DMS EXCP PUT RC=8, NO ROOM TO WRITE IN DATA SET SEE APPENDIX D IN DMS MESSAGE MANUAL

Explanation: The attributes of the data set have caused the SAMS:Disk space conversion routines to underestimate the space needed to hold the data set. Appendix A indicates the action needed to recover from this error.

2659 RECORD LENGTH EXCEEDED - DSN (ddd)

Explanation: A spanned record in data set (ddd) exceeded the maximum SAMS:Disk buffer size as set by sysparm IOMAXREC. Specify IOMAXREC with a value equal to the size of the largest spanned record and rerun the job.

2660 NOTE - AUTO-RESTORE SCREENING EXIT IS ACTIVE - EXIT NAME = (mmm)

Explanation: The user screening exit (mmm) is active for the current auto-restore task. This message is informational and requires no action by the user.

2661 RESTORE REQUEST REJECTED BY USER EXIT - DSN = (ddd) SOURCE VOLUME = (sss) TARGET VOLUME = (ttt)

Explanation: An auto-restore of data set (ddd) was denied by the user screening exit. This message is informational and requires no user action.

2662 UNIT NOT AVAILABLE - AUTO-RESTORE CANCELED BY OPERATOR

Explanation: A required tape device or tape volume was not available to honor an auto-restore request. When the operator was prompted by SAMS:Disk console message 013 to reply WAIT, RETRY or CANCEL, the operator replied CANCEL. The auto-restore was canceled as instructed. No user action required; the message is informational.

2663 **THE DELETE COMMAND IS NOT ALLOWED IN YOUR INSTALLATION**

Explanation: The delete command is unavailable in your installation. The command has been rejected.

2664 **WARNING, DSN = (ddd)**
INCORRECTLY CATALOGED IN CATALOG=(ccc)
RESULT=(nnn), REASON=(rrr)
and possibly
PROCESSING CONTINUES WITH ALL VOLUMES FOR THE DATA SET ARE ASSUMED TO BE ONLINE
or
PROCESSING CONTINUES WITH ALL VOLUMES FOR THE DATA SET ARE ASSUMED TO BE OFFLINE

Explanation: The last line of this message text will depend on the value specified for sysparm VSONLINE.

If sysparm VSONLINE was specified with a value of Y, SAMS:Disk 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, SAMS:Disk assumes that all of the data set’s volumes are online and allows the data set to be processed.

If sysparm VSONLINE is specified with a value of X, the second version of the text will be produced. Since the needed volumes are assumed to be offline, processing for the data set is bypassed.

2720 **ADD FAILED FOR ONE OR MORE VOLUMES**
or
ERROR IN FILES DATA SET, DELETE FAILED
or
ERROR IN FILES DATA SET, ERASE FAILED

Explanation: These messages indicate an I/O error within the files data set.

2721 **ADD COMPLETED SUCCESSFULLY**
or
DELETE COMPLETED SUCCESSFULLY
or
ERASE COMPLETED SUCCESSFULLY

Explanation: These messages show the completed tape pool utility commands.

2722 ERROR IN FILES DATA SET

Explanation: An I/O error has been detected while processing the files data set.

2723 VOLUME(S) (vvv) NOT CONVERTED BECAUSE DATA SET NAME (ddd) NOT FOUND IN POOLDEFS

Explanation: Volumes (vvv) were in the ARCHVOLS subfile and could not be added to a tape pool because data set name (ddd) was not associated with any tape pool. Add an entry to the POOLDEFS member of the PARMLIB, then add those volumes not converted using the tape pool utility.

2728 EXCLUSION TABLE (xxx) NOT FOUND IN PARMLIB

Explanation: The exclusion table (xxx) for PDS compression was not found in the PARMLIB. Correct the table name and resubmit.

2729 SYSPARM PSUDEVTP NOT N, Y OR R

Explanation: Only values of N, Y or R are allowed for sysparm PSUDEVTP. See Section 4, Sysparms, in the Systems Guide for an explanation of values. SAMS:Disk will abend with a user 200 when this message is issued.

2730 RECATALOG VOLUME (vvv) NOT FOUND

Explanation: Volume (vvv) was specified as the volume for recataloging data sets and could not be found online. SAMS:Disk will abend with a user 200 when this message is issued.

2733 (xxx) IS A NON-UNIQUE NAME. IT MATCHES (yyy).

Explanation: Parameter (xxx) was entered, but not enough characters were specified for SAMS:Disk to determine what parameter is desired. Other parameters (yyy) also match this specification. Respecify the parameter, providing enough characters to identify a unique parameter name and resubmit the request.

2734 UNABLE TO DETERMINE STATUS OF MIGRATE DD STATEMENT

Explanation: The primary output tape has been dummied out in a non-simulate mode. The primary output tape may be dummied out only in simulate mode. Correct the situation and resubmit the job.

2735 **CATALOG INFORMATION COULD NOT BE RETRIEVED FOR ALTERNATE INDEX: (nnn) IN CATALOG (ccc)**

Explanation: Alternate index (nnn) could not be found in the catalog (ccc). This message is issued when attempting to archive a base cluster with alternate index associations. The base cluster's information was retrieved successfully, but SAMS:Disk could not retrieve catalog information for the alternate index with which the base cluster is associated. This message is preceded by message 2560 detailing the nature of the catalog error.

2736 **BLDINX AND NOBLDINX WERE SPECIFIED. ONLY ONE IS ALLOWED. THE DATA SET WILL NOT BE RESTORED.**

Explanation: BLDINX and NOBLDINX are mutually exclusive parameters. Select one and resubmit the request.

2737 **AIXDEF AND NOAIXDEF WERE SPECIFIED. ONLY ONE IS ALLOWED. THE DATA SET WILL NOT BE RESTORED.**

Explanation: AIXDEF and NOAIXDEF are mutually exclusive parameters. Select one and resubmit the request.

2738 **(nnn) IS NOT A NUMERIC PRIMARY ALLOCATION AMOUNT. THE DATA SET WILL NOT BE RESTORED.**

Explanation: A non-numeric primary allocation amount of (nnn) was specified in the ALLOC, DALLOC or IALLOC parameter. Correct the amount and resubmit the request.

2739 **A NUMBER GREATER THAN 7 WAS SPECIFIED FOR THE ATTEMPTS PARAMETER. THE DATA SET WILL NOT BE RESTORED.**

Explanation: The maximum value for the ATTEMPTS, DATTEMPTS or IATTEMPTS parameters is 7. Correct the value and resubmit the request.

2740 **A NUMBER GREATER THAN 32768 WAS SPECIFIED FOR THE CISZ PARAMETER. THE DATA SET WILL NOT BE RESTORED.**

Explanation: The maximum value for the CISZ, DCISZ or ICISZ parameters is 32768. Correct the value and resubmit the request.

2741 **ERASE AND NOERASE WERE SPECIFIED. ONLY ONE IS ALLOWED. THE DATA SET WILL NOT BE RESTORED.**

Explanation: ERASE and NOERASE are mutually exclusive parameters. Select one and resubmit the request.

2742 **A NUMBER GREATER THAN 9999 WAS SPECIFIED FOR THE "FOR" PARAMETER. THE DATA SET WILL NOT BE RESTORED.**

Explanation: The maximum value for the FOR parameter is 9999. Correct the value and resubmit the request.

2743 **A NUMBER GREATER THAN 100 WAS SPECIFIED FOR THE FREESPACE PARAMETER. THE DATA SET WILL NOT BE RESTORED.**

Explanation: The maximum value for the FREESPACE parameter is 100. Correct the value and resubmit the request.

2744 **IMBED AND NOIMBED WERE SPECIFIED. ONLY ONE IS ALLOWED. THE DATA SET WILL NOT BE RESTORED.**

Explanation: IMBED and NOIMBED are mutually exclusive parameters. Select one and resubmit the request.

2745 **ORDER AND UNORDER WERE SPECIFIED. ONLY ONE IS ALLOWED. THE DATA SET WILL NOT BE RESTORED.**

Explanation: ORDER and UNORDER, DORDER and DUNORDER or IORDER and IUNORDER are mutually exclusive parameters. Select one and resubmit the request.

2746 **REPLICATE AND NOREPLICATE WERE SPECIFIED. ONLY ONE IS ALLOWED. THE DATA SET WILL NOT BE RESTORED.**

Explanation: REPLICATE and NOREPLICATE are mutually exclusive parameters. Select one and resubmit the request.

2747 **REUSE AND NOREUSE WERE SPECIFIED. ONLY ONE IS ALLOWED. THE DATA SET WILL NOT BE RESTORED.**

Explanation: REUSE and NOREUSE are mutually exclusive parameters. Select one and resubmit the request.

2748 **AN INVALID NUMBER WAS SPECIFIED FOR THE SHROPTIONS PARAMETER. THE DATA SET WILL NOT BE RESTORED.**

Explanation: The maximum value for the SHROPTIONS, DSHROPTIONS or ISHROPTIONS parameters is 4. Correct the value and resubmit the request.

2749 **SPAN AND NOSPAN WERE SPECIFIED. ONLY ONE IS ALLOWED. THE DATA SET WILL NOT BE RESTORED.**

Explanation: SPAN and NOSPAN are mutually exclusive parameters. Select one and resubmit the request.

2750 **SPEED AND RECOVERY WERE SPECIFIED. ONLY ONE IS ALLOWED. THE DATA SET WILL NOT BE RESTORED.**

Explanation: SPEED and RECOVERY are mutually exclusive parameters. Select one and resubmit the request.

2751 **AN INVALID DATE WAS SPECIFIED FOR THE “TO” PARAMETER. THE DATA SET WILL NOT BE RESTORED.**

Explanation: The TO parameter requires a valid Julian date. Correct the date and resubmit the request.

2752 **THE TYPE PARAMETER SPECIFIED IS INVALID. THE DATA SET WILL NOT BE RESTORED.**

Explanation: The TYPE parameter refers to the type of VSAM data set. Valid types are ESDS, RRDS or KSDS. Specify one and resubmit the request.

2753 **UNIQUE AND SUBALLOC WERE SPECIFIED. ONLY ONE IS ALLOWED. THE DATA SET WILL NOT BE RESTORED.**

Explanation: UNIQUE and SUBALLOC are mutually exclusive parameters. Select one and resubmit the request.

2754 **WRITECHK AND NOWRITECHK WERE SPECIFIED. ONLY ONE IS ALLOWED. THE DATA SET WILL NOT BE RESTORED.**

Explanation: WRITECHK and NOWRITECHK, DWRITECHK and DNOWRITECHK or IWRITECHK and INOWRITECHK are mutually exclusive parameters. Select one and resubmit the request.

2755 **IDCxxxxx (message text issued by IDCAMS)**

Explanation: The message text is created by JSCVSUT, which SAMS:Disk has intercepted and routed to its message output report. Refer to the appropriate Hitachi message manual for a description and problem resolution of the JSCxxxxx message.

2756 ****CAUTION** THE FOLLOWING BASE CLUSTER ORIGINALLY HAD ALTERNATE INDEX ASSOCIATION(S). THE ALTERNATE INDEX(ES) WERE NOT RESTORED BECAUSE OF USER OPTIONS SPECIFIED FOR THE RESTORE. BASE CLUSTER NAME = (ddd)**

Explanation: SAMS:Disk has restored cluster (ddd), which originally had alternate index(es) associated with it. Because of user options in effect, however, SAMS:Disk has not restored the alternate indexes for this cluster. This would be caused either by the parameter NOAIXDEF being specified on the RESTORE or RECOVER command, or because sysparm VSAIXDEF was specified as N.

2757 **CATALOG HIGH USED RBA WAS (nnn)**
OLD HIGH USED RBA WAS (xxx) FOR DATA/INDEX COMPONENT

Explanation: Informational message indicating a VERIFY was done for the data set and the high used RBA changed for the data or index component.

2758 **INVALID VALUE SPECIFIED FOR SYSPARM RLSESECR; MUST BE EITHER A, Z OR N**

Explanation: Specify this sysparm to indicate which secondary allocations to reset. The only allowed values are: A (ALL secondaries), Z (only those secondaries where current allocation is ZERO) or N (only those secondaries where current allocation is NON-ZERO).

2759 **UNABLE TO RESET SECONDARY SPACE ALLOCATION DSN=(ddd) VOL=(vvv) RETURN CODE FROM DSCB UPDATE MODULE=(rc)**

Explanation: The call to reset the DS1SCALO field of the format-1 DSCB in the VTOC for data set (ddd) on volume (vvv) failed for the following reason:

RC	Meaning
03	change bit not updated, F1 has changed
05	field name supplied is not defined
08	F1 field or volume not found
24	I/O error reading format-1

2760 **DATA SET NO LONGER EXISTS: DSN=(ddd), VOL=(vvv)**

Explanation: Data set (ddd) no longer exists on volume (vvv). Either the data set was previously deleted, or the data set name or volume were misspelled.

2764 **(aaa) IS NOT A VALID ALLOCATION TYPE**

Explanation: Specify either CYL, TRK or REC for allocation type and resubmit the request.

2765 **PRIMARY ALLOCATION AMOUNT IS NOT GREATER THAN 0, THE DATA SET WILL NOT BE RESTORED.**

Explanation: Specify a primary allocation amount greater than 0, then resubmit the request.

2766 **THE CLUSTER LEVEL ALLOCATION PARM AND THE DATA/INDEX LEVEL ALLOCATION PARM WERE SPECIFIED. ONLY ONE IS ALLOWED. THE DATA SET WILL NOT BE RESTORED.**

Explanation: Specify either cluster level allocation or data and/or index level allocation and resubmit the request.

2768 **USER NOT AUTHORIZED TO (aaa) DASD VOLUME SERIAL= (vvv), TOP SECRET DENIED ACCESS**

Explanation: SAMS:Disk Top Secret support has issued the system RACHECK macro to ask CA-Top Secret if the user is authorized to process a data set. CA-Top Secret routines have returned a return code indicating that the user submitting the SAMS:Disk job is not authorized to process DASD volume serial (vvv) as requested. SAMS:Disk was requesting the (aaa) access level for the data set. The CA-Top Secret class is VOLUME.

To process the volume, you must either be given the proper authority to do so, or have the person(s) authorized to process the data set run the SAMS:Disk job.

2769 **USER NOT AUTHORIZED TO (aaa) DSN = (ddd) ON VOL= (vvv), TOP SECRET DENIED ACCESS**

Explanation: SAMS:Disk Top Secret support has issued the system RACHECK macro to ask CA-Top Secret if the user is authorized to process a data set. CA-Top Secret routines have returned a return code indicating that the user submitting the SAMS:Disk job is not authorized to process data set name (ddd) on volume (vvv). SAMS:Disk was requesting the (aaa) access level for the data set. The CA-Top Secret class is DATASET.

To process the data set, you must either be given the proper authority to do so, or have the person(s) authorized to process the data set run the SAMS:Disk job.

2771 **DMS WAS RETURNED AN ERROR RETURN CODE FROM THE TOP SECRET RACHECK MACRO**
—— ERROR CODE = (ccc)
—— DSNAME = (ddd), VOLUME = (vvv), ACTION = (rrr)
—— DATA SET TYPE = (ttt) CLASS = (lll)
—— ACCESS DENIED DUE TO SECURITY ERROR

Explanation: System CA-Top Secret routines have returned an error return code from the CA-Top Secret RACHECK macro. SAMS:Disk was attempting to determine if the user was authorized to process data set (ddd) on volume (vvv). The error code with the value (ccc) was not expected.

SAMS:Disk was requesting processing for data set type (ttt). This value will be either N for non-VSAM data sets or V for VSAM clusters or components.

SAMS:Disk was requesting type (rrr) access. This value will be either R for READ access or U for UPDATE access. CA-Top Secret was searching for resource class (lll).

In some cases the data set name will not be referenced in this message. This occurs when the check was for volume access only. CA-Top Secret security routines have encountered an error while attempting to determine if a user was authorized to access or update a specific DASD volume.

See the CA-Top Secret documentation for the RACHECK macro to determine the cause of the error encountered. If it appears to be an internal SAMS:Disk error, contact the SAMS:Disk Technical Support Center for assistance.

2772 **GENCB FAILED, RC = (nnn)**

Explanation: A GENCB macro failed with a return code of (nnn). This is an unexpected error which will cause SAMS:Disk to fail with a user 100 abend. Contact the SAMS:Disk Technical Support Center for assistance.

2773 CATALOG INFORMATION NOT FOUND FOR PREALLOCATED CLUSTER (nnn) IN CATALOG (ccc)

Explanation: SAMS:Disk encountered an unexpected error when it attempted to restore to preallocated data set (nnn). The original define for the cluster issued by SAMS:Disk indicated it already existed. Because sysparm VSPREDEF was specified with a Y, SAMS:Disk attempted to retrieve catalog information from catalog (ccc) for the cluster. The information could not be retrieved, however. This message should be preceded by message 2560 indicating the exact cause of the error. If the problem cannot be resolved, contact the SAMS:Disk Technical Support Center for assistance.

2774 CLOSE FAILED, RC = (nnn)

Explanation: While attempting to close a VSAM data set after it was restored, close processing returned error (nnn). processing. SAMS:Disk subsequently issued a user 100 abend. Contact the SAMS:Disk Technical Support Center for assistance.

2775 MAXIMUM NUMBER OF VOLUMES EXCEEDED

Explanation: The maximum number of volumes which the SAMS:Disk catalog interface can hold has been exceeded. This is an informational message only and no corrective action is required by the user.

2776 VOLUME ALLOCATION FAILED FOR DDNAME (vvv) WHILE ATTEMPTING TO PROCESS DSN (ddd)

Explanation: An attempt was made to process data set (ddd), but needed volumes could not be allocated. A prior message should explain the specific reason. If multivolume data sets are to be processed, a skeleton DD statement of the following format must be provided in order for SAMS:Disk to access the data set:

```
//vvv DD DISP=SHR,UNIT=SYSDA,
// VOL=SER=(vol1,vol2,vol3,vol4,vol5)
```

where (vvv) is the DDNAME specified in the message, and (vol1-vol5) are the names of any five real volumes in your installation. Supply the needed DD statement and resubmit the job.

2777 **COMMAND REJECTED - CLUSTER AND ALTERNATE INDEX RESTORES ARE NOT ALLOWED IN THE SAME EXECUTION**

Explanation: SAMS:Disk has been requested to restore a cluster that has an alternate index. However, in the same input stream was a request to restore just the alternate index itself, as a separate physical entity. This action is not allowed. By default, SAMS:Disk will define and rebuild the alternate index when the cluster is restored. alternate index is not allowed at the same time.

2778 **NOT ENOUGH VOLUMES SPECIFIED ON THE (vvv) DD STATEMENT TO PROCESS (nn) VOLUMES**

Explanation: A request was made to modify the named DD statement to point to the specified number of volumes. You must provide a skeleton DD statement of the following form in order for SAMS:Disk to modify it to point to the needed volumes.

```
//vvv DD DISP=SHR,UNIT=SYSDA,
// VOL=SER=(vol1,vol2,.........,volnn)
```

where (vvv) is the DDNAME specified in the message, and (vol1 - volnn) are the names of (nn) real volumes in your installation. Supply the needed DD statement and resubmit the job.

2779 **ARCHIVE KEY=(vvv) IS MULTIPLE VOLUME; SUBSEQUENT KEYS ARE (xxx) (yyy) (zzz) (etc.)**

Explanation: This message is informational only. While running RECOVER in simulate mode, SAMS:Disk determined that a particular archived data set is contained on multiple volumes, with the first archive key of (vvv). This is usually caused by SAMS:Disk archiving a data set that could not physically fit on one tape. If you include a list of volumes to be used in a live RECOVER, supply archive keys (xxx), (yyy), (zzz), etc. This message appears only once for each archive needed by RECOVER.

2780 **ALTERNATE INDEX (nnn) NOT RESTORED BECAUSE BASE CLUSTER (ddd) COULD NOT BE FOUND**

Explanation: SAMS:Disk attempted to retrieve the catalog information for cluster (ddd) prior to allocating it for BLDINDEX processing to rebuild alternate index (nnn). The catalog information was not found for the cluster, however. This message is preceded by message 2560 indicating the cause of the problem. The error must be corrected before SAMS:Disk will restore the alternate index. If the problem cannot be corrected, it can be circumvented by restoring the cluster with the NOBLDINX parameter, then running the Hitachi JSCVSUT utility for BLDINDEX. For further assistance, contact the SAMS:Disk Technical Support Center.

2781 **ALTERNATE INDEX NAME SPECIFIED DOES NOT EXIST FOR THE INDICATED CLUSTER - AIX NOT RESTORED. AIX NAME = (aaa) BASE CLUSTER = (ccc)**

Explanation: The alternate index name (aaa) was not associated with the base cluster (ccc) when the data set was archived by SAMS:Disk. This message can be issued for any of the following reasons:

- The alternate index name is misspelled.
- A new name is being specified in the AIXNAME= parameter instead of the name which was actually given the alternate index when it was archived.
- The base cluster was archived prior to the alternate index being defined for it. SAMS:Disk has no knowledge of the alternate index.
- The cluster was archived with a version of SAMS:Disk prior to Release 6.5.
- The incorrect version of the data set is being used from the files data set.

2782 **CLUSTER (nnn) HAD NO ALTERNATE INDEXES ASSOCIATED WITH IT — AIXNAME PARAMETER IS INVALID FOR THIS DATA SET**

Explanation: Cluster (nnn) did not have any alternate indexes associated with it when the data set was archived by SAMS:Disk. This message can be issued for any of the following reasons:

- The base cluster was archived prior to the alternate index being defined for it. SAMS:Disk has no knowledge of the alternate index.
- The cluster was archived with a version of SAMS:Disk prior to Release 6.5.
- The incorrect version of the data set is being used from the files data set.

2783 **VOLUME ALLOCATION FAILED, VOLUME = (vvv), RETURN CODE = (rc), DSN = (ddd)**

Explanation: Volume (vvv) could not be allocated to data set (ddd). Catalog management returned return code (rc). This message is followed by message 2546 giving an interpretive text for the error condition. This condition is most commonly encountered when restoring a cluster into a VSAM catalog (not DMF/EF Type-2) and specifying a volume which is not owned by the catalog.

2789 **NO MATCH FOUND IN TABLE FIELD NAME = (fff) IS NOT A VALID TYPE TO BE PROCESSED**

Explanation: This module cannot process a numeric type field for field (fff). Please check the “field type code” specified in column 4 of the detail entry fields in the corresponding RPTNxxxx member of PARMLIB.

2790 **A LOOP CONDITION HAS BEEN DETECTED IN THE INDEX FOR DATA SET = (ddd). RELATIVE BYTE ADDRESS OF INDEX CONTROL INTERVAL CONTAINING ERROR = (nnn).**

Explanation: SAMS:Disk has detected a loop condition in the sequence set of data set (ddd). This error occurs when SAMS:Disk is attempting to retrieve the next sequence set control interval in the index, but the horizontal relative byte pointer in the index (field IXHHP) either points to itself or a previously processed sequence set control interval. The sequence set record containing the invalid pointer is in the control interval at relative byte address (nnn).

2792 **RESTORE REQUEST REJECTED, CANNOT RESTORE INTO MULTIVOLUME DATA SET MANUALLY SCRATCH DATA SET AND RESUBMIT RESTORE REQUEST**

Explanation: User has attempted to restore a data set to a volume where the same data set name already existed. The already existing data set name appears to SAMS:Disk to be a multivolume data set. A SAMS:Disk restriction does not support multivolume data sets on restores. Use manual technique to scratch the data set that already exists on the volume. Then resubmit the restore request.

2793 **NO CATALOG ENTRIES WERE FOUND TO MATCH DSN = (ddd) IN CATALOG = (ccc) FIND COMMAND NOT PROCESSED**

Explanation: The data set name or pattern (ddd) specified on the FIND 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).

Verify that the data set name or pattern is spelled correctly. 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 the CATALOG parameter on the FIND command.

2794 **INSUFFICIENT WORK AREA TO DO SUPERLOCATE ON DSN = (ddd) IN CATALOG = (ccc) INCREASE THE VALUE OF SYSPARM CATLOCWA OR SPECIFY ONE MORE NON-PATTERNED DATA SET NAME QUALIFIER**

Explanation: The data set pattern (ddd) specified on the FIND command is too general for SAMS:Disk to issue a superlocate. If you have more region size, increase the value of sysparm CATLOCWA. Or, if you specified a SAMS:Disk pattern name in your FIND 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 FIND command.

2795 **WRONG FILE NUMBER ON ARCHIVE TAPE**

Explanation: The file number found in the archive block did not match the file number requested.

2796 CRITICAL ERROR WHILE READING ARCHIVE TAPE

Explanation: An error was encountered while reading the archive volume. You can use the analysis utility to determine the validity of the archive volume.

2797 RECORD LENGTH GREATER THAN MAX ALLOWED

Explanation: The archive record is longer than the maximum length allowed for that record type. You may use the analysis utility to determine the validity of the archive volume.

2798 AN INVALID RECORD TYPE WAS REQUESTED

Explanation: The record type requested was not a valid archive record type. You may use the analysis utility to determine the validity of the archive volume.

2799 THE CAT=, REALVOLS, MSVGP=, AND MSS PARAMETERS ARE MUTUALLY EXCLUSIVE. SPECIFY JUST ONE.

Explanation: A DSCL command contains more than one of the listed parameters on a single SCAN command. Multiple commands may be entered, but each must specify only one of the listed parameters. Correct the invalid command and resubmit the request(s).

2801 TECHNIQUE NUMBER IS NOT 0 - 9 OR A - F

Explanation: The compression technique number specified in sysparm DCCOMPTC or the technique number passed via user exit DCDSNDEX is incorrect.

2802 NO COMPRESS MODULE NAME FOR TECHNIQUE (nn) 2802 NO DECOMPRESS MODULE NAME FOR TECHNIQUE (nn)

Explanation: No compress/decompress module name is specified in sysparm DCCMPEXn/DCDCPEXn for technique number (nn).

2803 (xxx) COMPRESSION INCLUSION TABLE NOT FOUND (xxx) COMPRESSION EXCLUSION TABLE NOT FOUND

Explanation: The compression inclusion or exclusion table (xxx) set via sysparms DCINCTBL or DCEXCTBL was not found in the PARMLIB data set.

2804 **RECORD SIZE LONGER THAN SYSPARM IOMAXREC ALLOWS. RECORD SIZE = (nnn)**

Explanation: Your installation has set a maximum allowable record size for SAMS:Disk processing by specifying sysparm IOMAXREC. SAMS:Disk issues this message at two different times: during backup processing or when running the Archive Tape Analysis Utility.

During backup processing, SAMS:Disk has encountered a data set that is greater than the maximum allowed by IOMAXREC. SAMS:Disk bypassed the data set, which has a record size of (nnn). The data set name is listed in an accompanying message. To back up this data set, specify sysparm IOMAXREC with a value of (nnn) or higher, and run the backup job again.

During Archive Tape Analysis, SAMS:Disk has encountered an archive record block with an LRECL greater than the maximum allowed by the current IOMAXREC value. The LRECL of this archive record block was set when it was archived according to a lesser IOMAXREC value then in use. This message is followed by a user 100 abend. Specify sysparm IOMAXREC with a value of (nnn) or higher and run the job again.

2805 **COMPRESSION PERCENT = (nnn) FOR DSN = (ddd)**

Explanation: Informational message giving the compression percent (nnn) for data set name (ddd).

2806 **COMPRESSION STATISTICS FOR COMPRESSED DATA SETS ON THE ARCHIVE VOLUME**
COMPRESSION PERCENT = (nnn) FOR ARCHIVE VOL = (vvv), ARCHIVE DSN = (ddd), ORIGINAL SIZE = (nnn) COMPRESSED SIZE = (ccc)

or

COMPRESSION STATISTICS FOR ALL DATA SETS ON THE ARCHIVE VOLUME
COMPRESSION PERCENT = (nnn) FOR ARCHIVE VOL = (vvv), ARCHIVE DSN = (ddd), ORIGINAL SIZE = (nnn) COMPRESSED SIZE = (ccc)

Explanation: These compression statistics are issued at the end of each archive volume. The second is issued only if there were uncompressed data sets on the archive volume. The size is in bytes.

2807 **GOOD COMPARISON FOR PROFILE DATA SET NAME=(ddd)**

Explanation: The RACF profile comparison check has determined that the SAMS:Disk RACF profile RACFENCD records in the files data set correspond to the profile being kept in the user's RACF data set for (ddd). This is an informational message only and indicates a normal condition.

2808 **MISSING RACFENCD RECORD FOR PROFILE=(ddd)**

Explanation: SAMS:Disk has found that RACF profile (ddd) exists in the user's RACF profile data set, but no corresponding record exists in the RACFENCD subfile of the files data set. This is an error condition. The profile in the RACF data set will never be used by SAMS:Disk and needs to be cleaned up. It is not associated with any known data set.

2809 **DMS RACF PROFILE = (ddd) HAS BEEN DELETED FROM THE RACF PROFILE DATA SET.**

Explanation: As part of cleanup processing, profile name (ddd) has been deleted from the user's RACF profile data set. The profile was not associated with any archived data set.

2810 **MISSING RACF PROFILE FOR ARCHIVE DATA SET PROFILE DATA SET NAME=(ddd) DSNINDEX RECORD DATA SET NAME=(nnn)**

Explanation: SAMS:Disk has determined that a RACF profile for archived data set (nnn) is not present in the user's RACF profile data set (ddd). This condition will prevent a data set from being restored when the SAMS:Disk RACF interface is active.

The RACF indicator for the data set needs to show the data set is RACF-protected but that SAMS:Disk does not have a current profile for it.

2811 DSNINDEX RECORD FOR RACFENCD RECORD NOT FOUND

Explanation: SAMS:Disk was in the processing of removing a RACFENCD record from the subfile of the files data set. Along with this process, SAMS:Disk must also change the DSNINDEX record for the data set to indicate that the archived data set does not have an associated SAMS:Disk RACF profile saved for it. SAMS:Disk was unable to locate the proper DSNINDEX record to update.

This is an informational message only. The RACFENCD record is deleted and since it was not associated with a valid DSNINDEX record, no additional processing is required.

2813 RACF BIT IN DSNINDEX RECORD NOT SET ON

Explanation: Profile verification processing has found a DSNINDEX record in the files data set that should have the RACF indicator bit set on in the flags field but does not. Subsequent processing may correct the error.

2814 RACF BIT SET ON IN DSNINDEX RECORD——————-

Explanation: The SAMS:Disk RACF profile correction utility has set the RACF bit on in a DSNINDEX record in the files data set. This was done because a profile existed for the data set. This now allows the data set to be restored with the SAMS:Disk-saved profile.

2815 DSNINDEX RECORD RACF BIT SET OFF

Explanation: The SAMS:Disk RACF profile correction utility has set the RACF bit on in a DSNINDEX record in the files data set. This was done because no SAMS:Disk-saved profile actually existed for the archived data set.

If the data set is subsequently restored, it will still be RACF-protected but either the SAMS:Disk model profile will be used for it or it will not have a profile. One may need to be manually defined for it.

2816 RACFENCD RECORD DELETED

Explanation: The SAMS:Disk RACFENCD record in the files data set was deleted either because there was no RACF profile for the data set or no archived data set with which to associate the RACFENCD record.

2817 **SCRATCH PARAMETER IS NOW OBSOLETE SEE DMS DOCUMENTATION FOR DETAILS**

Explanation: The user has specified the SCRATCH parameter on the billing accumulate command and it is no longer supported. Processing continues but the specification of this parameter has no effect.

The scratch parameter was once used to indicate how data sets that were scratched and re-created during a billing cycle were handled. The current version has no need for this sysparm because the code has been changed to handle them in a proper way in all cases. Data sets that are scratched and re-created during a billing cycle are only charged for the actual time they existed on DASD.

2818 **EXEMPVOLS PARAMETER IS NOW OBSOLETE SEE DMS DOCUMENTATION FOR DETAILS.**

Explanation: The EXEMPVOLS command parameter has been specified on the billing accumulate command. This parameter is no longer needed by SAMS:Disk. See message 2817 for more details.

2819 **NO BILLING PERIOD DATE ENTRIES MATCH THE SPECIFIED BILLING PERIOD.**

Explanation: You have specified the BMEMBER= command parameter on the billing accumulate command but SAMS:Disk was unable to find a billing begin date based on the current date and the values found in the member name of PARMLIB specified in the BMEMBER parameter.

Check the member for errors and review Section 15, Billing, in the SAMS:Disk User's Guide on the BMEMBER parameter.

2820 **ENTRY NUMBER (nnn) IN PARMLIB MEMBER (mmm) CONTAINS AN INVALID DATE VALUE OF ENTRY IN ERROR IS (ddd)**

Explanation: Member (mmm) specified in the BMEMBER command contains an entry with an invalid date. The value of the entry is (ddd). Correct the entry in error and rerun the billing step. The entry must contain a valid date in either Gregorian or Julian format.

2823 **CATALOG = (ccc) NOT BACKED UP, UNABLE TO RETRIEVE CATALOG INFORMATION.**

Explanation: Catalog (ccc) could not be backed up. The locate for the catalog failed. Verify catalog name is spelled correctly. See previous messages from ADSVS032 or ADSVS033 to determine other errors.

2824 **CATALOG = (ccc) NOT BACKED UP. IT IS NOT AN ICF CATALOG.**

Explanation: Catalog (ccc) will not be backed up as it is not an DMF/EF Type-2 catalog.

2825 **CATALOG = (ccc) NOT BACKED UP. CATALOG VOLUME = (vvv) NOT AVAILABLE.**

Explanation: Catalog (ccc) will not be backed up. An attempt to retrieve the format-4 DSCB for volume (vvv) failed.

2826 **THE BACKUP PARAMETER IS VALID ONLY WHEN SCANNING AN ICF CATALOG**

Explanation: The parameter BACKUP is not valid without the SCAN command. Resubmit the job with the SCAN command.

2827 **CATALOG CANNOT BE RECOVERED USING ANY OTHER COMMAND EXCEPT RECOVER**

Explanation: A catalog name was entered on a restore request and cannot be honored. If the catalog is needed, use the RECOVER command.

2828 **INVALID VALUE SPECIFIED FOR ICATALOGS = (x) CORRECT THE COMMAND AND RESUBMIT.**

Explanation: An invalid value of (x) was specified for ICATALOGS. Allowable values are NO, YES and ONLY.

2829 **INVALID VALUE SPECIFIED FOR DEFALIAS = (x) CORRECT THE COMMAND AND RESUBMIT.**

Explanation: An invalid value of (x) was specified for DEFALIAS. Allowable values are NO and YES.

2830 **INVALID VALUE SPECIFIED FOR EXPORTF = (x) CORRECT THE COMMAND AND RESUBMIT.**

Explanation: An invalid value of (x) was specified for EXPORTF. Allowable values are NO and YES.

2831 **MASTER CATALOG NAME COULD NOT BE RETRIEVED CATALOG = (ccc) NOT RECOVERED**

Explanation: The master catalog name could not be retrieved for the catalog (ccc). The catalog was not recovered.

2832 **DMS RECORD TOTAL LESS THAN CATALOG VALUE FOR DSN (ddd) CATALOG TOTAL = (nnn) DMS TOTAL = (ttt)**

Explanation: After reading data set (ddd), SAMS:Disk compared the total number of records it read against the record total found in the catalog. The value found in the catalog is greater than the number of records actually read. The mismatch is probably due to an incorrect total in the catalog. This is especially true for IMS-type data sets which do not go through standard close and therefore do not have accurate statistics in the catalog.

This discrepancy should be viewed with caution since it may be an indication of lost data. If you are suspicious of a particular SAMS:Disk total, run a different utility (such as JSCVSUT PRINT) to determine the number of records it reads in the data set. If this total is different from the SAMS:Disk total, contact the SAMS:Disk Technical Support Center for assistance.

This message is strictly informational in nature, and can be suppressed with sysparm VSMSGWRNN. No further action is required.

2833 **MULTIVOLUME DATA SET (ddd) ON VOLUME (vvv) CANNOT BE PROCESSED. CATALOG INDICATES DATA SET IS CATALOGED TO THE FOLLOWING: VOLUME SEQUENCE NUMBER (nn1) IS VOLUME (vv1) VOLUME SEQUENCE NUMBER (nn5) IS VOLUME (vv5)**

Explanation: SAMS:Disk encountered an error while trying to process multivolume data set (ddd). Data set (ddd) was found on volume (vvv), but when the catalog was searched, it indicated that this data set is cataloged to other volume(s), (vv1 to vv . Multivolume data set (ddd) is probably an uncataloged data set with the same data set name as the one found in the catalog. Processing for this data set name is bypassed.

The cataloged data set with the same data set name may or may not be a multivolume data set. The second part of the message will indicate this via the volume sequence numbers (maximum of 5).

2834 ***** WARNING *** MAXIMUM RECORD LENGTH EXCEEDED FOR A SPANNED RECORD - DSN = (ddd) BEGINNING RECORD RBA = (nnn) CURRENT CI RBA = (ccc)**

Explanation: SAMS:Disk has encountered a spanned record in data set (ddd) that exceeds the maximum record length specified in the catalog for this data set. The first control interval containing the record is at an RBA address of (nnn), and the current control interval begins at RBA address (ccc). This message is informational in nature and does not affect SAMS:Disk processing, but it may indicate that the data set has internal damage. Attempt to read the cluster with another utility, such as JSCVSUT PRINT. If the data set cannot be read, it should either be fixed or restored to a previous version. Note that RBA values are hexadecimal.

2835 ***** WARNING *** NON-SPANNED RECORD FOUND BEFORE END OF PREVIOUS SPANNED RECORD - DSN = (ddd).**
BEGINNING SPANNED RECORD RBA = (nnn).
CURRENT CONTROL INTERVAL RBA = (ccc).

Explanation: SAMS:Disk has just read a control interval for data set (ddd) beginning at RBA (ccc) which contains non-spanned records. However, SAMS:Disk was expecting to find a continuation (or end) of a spanned record which began in the control interval at relative byte offset (nnn) in the data set. This condition is probably caused by a damaged data set and should be investigated at once. Attempt to process the cluster using some other utility, such as JSCVSUT PRINT. If the cluster cannot be read, it should be restored to a previous version.

2836 ***** WARNING *** FIRST PORTION OF SPANNED RECORD NOT RETRIEVED YET - DSN = (ddd). INTERMEDIATE OR LAST SPANNED RECORD BEING PROCESSED IS AT RBA = (nnn)**

Explanation: SAMS:Disk has encountered a control interval for data set (ddd) at relative byte address (nnn) which is marked as an intermediate or last portion of a spanned record. However, the control interval containing the first portion of the record was never found. The data set is damaged and will probably need to be restored. Refer to message 2835 for more information.

2837 **PREVIOUS SPANNED RECORD NOT COMPLETE FOR DSN (ddd)**
LAST SPANNED RECORD BEGAN AT RBA = (rrr)
NEW SPANNED RECORD STARTS AT RBA = (nnn)

Explanation: SAMS:Disk has encountered a control interval for data set (ddd) at relative byte address (nnn) which is marked as the first portion of a spanned record. However, SAMS:Disk never received the control interval containing the last portion of a previous spanned record which started at RBA (rrr). The data set is probably damaged and will need to be restored. Refer to message 2835 for more information.

2838 **INVALID RECORD LENGTH OF (nnn) FOUND - DSN = (ddd) DUMP OF CONTROL INTERVAL CONTAINING ERROR FOLLOWS.**

Explanation: SAMS:Disk has encountered a record length of zero, or a record length which is larger than the maximum record size specified in the catalog for data set (ddd). This error probably indicates that the data set is damaged. The control interval containing the damaged record is printed immediately following this message. If the data set cannot be read by other utilities such as JSCVSUT PRINT, it will probably have to be restored to an earlier version, unless the control interval can be zapped to its proper values.

2839 **AN OUT-OF-SEQUENCE KEY HAS BEEN DETECTED IN DSN = (ddd) PREVIOUS KEY = (ppp) CURRENT KEY = (ccc) DUMP OF CI/RECORD CONTAINING ERROR FOLLOWS**

Explanation: SAMS:Disk has encountered key-sequenced data set (ddd) that has at least one record out of key sequence. The first 50 characters of each key are printed in hexadecimal format following the message. In addition, a dump of the current control interval (if processing using control interval access) or the current record (if using standard access methods) being processed when the error was detected is printed after the message. SAMS:Disk may or may not stop processing, depending on the sysparms in effect at your installation.

If SAMS:Disk is allowed to continue processing, no records will be lost on the archive medium, but if the data set must be restored from this version, non-conventional restoration procedures may be required (such as an extract, sort, and then REPRO using JSCVSUT).

In order to fix the data set, you should use the REPRO facility of JSCVSUT to make a copy of the cluster. This data set should then be sorted according to the key of the cluster (and its offset). The sorted data set should then be REPROed back into the original cluster.

2840 **MAXIMUM NUMBER OF OUT-OF-SEQUENCE KEYS HAS BEEN EXCEEDED FOR THE DATA SET**

Explanation: SAMS:Disk attempted to restore the data set, but it encountered more out-of-sequence key errors for the data set than is allowed by sysparm VSSEQCNT (default value is zero errors). Either the value must be increased for this sysparm (meaning some record(s) will not be loaded in the cluster), or the procedure outlined under message number 2545 must be followed to restore the data set.

2841 ***** WARNING *** RECORD NOT LOADED BECAUSE OF SYSPARM VSSEQCNT - PROCESSING CONTINUING FOR DSN (ddd)**

Explanation: While restoring VSAM cluster (ddd), SAMS:Disk was returned an error return code from VSAM indicating an out-of-sequence key in the cluster being restored. Because a value other than zero was specified for the sysparm, SAMS:Disk ignored the error condition and continued with the restore operation. Note that the record must be loaded manually in the cluster after the restore is complete. If the maximum number of sequence errors is exceeded for the data set, this message will be followed by message 2840 indicating the restore has failed. Refer to message 2545 for alternate methods of restoring the data set.

2843 **TRKS/CYL OVERFLOW FOR ISAM DATA SET (ddd) IS GREATER THAN 127, THE MAXIMUM SUPPORTED BY DMS. THE VALUE HAS BEEN SET TO 3 FOR THE ARCHIVE COPY.**

Explanation: The VTOC entry for ISAM data set (ddd) specifies a value for the number of tracks per cylinder in the cylinder overflow area that exceeds the maximum supported by SAMS:Disk. It has been set to a value of 3 in the DSNINDEX record for the archive copy.

2844 **INVALID OPTION SPECIFIED FOR RACFBKUP SYSPARM OPTION SPECIFIED WAS = (x) VALID OPTIONS ARE N, Y OR F**

Explanation: An invalid option of (x) was specified for the sysparm RACFBKUP. Valid options are listed. Because an invalid specification of this sysparm can be disastrous, the job was terminated with an abend. Correct the sysparm and restart job.

2845 **UNABLE TO REPLACE UPDATED RACFENCD RECORD, RC=(n)**

Explanation: SAMS:Disk tried to update a record in the RACFENCD subfile of the SAMS:Disk files data set but could not. As this indicates a serious problem, the job was abended. Ensure that the files data set still exists, is accessible and/or has not been destroyed. Run a SAMS:Disk files status report to determine the state of the files data set. It could be full. After the problem has been determined and corrected, resubmit the job.

2847 **ERROR RETRIEVING F4 FOR VOL=(vvv), DM367 RC=(nn) DATA SET (ddd) WILL BE BYPASSED**

Explanation: The format-4 DSCB could not be retrieved for volume (vvv). Data set (ddd) will be bypassed for selection and accumulation in billing for this job. The values for the return code are:

- 4 - volume not online
- 8 - format-4 obtain error
- 12 - MS dynamic allocation error

2848 **NO RECORD IN VTOC AT CCHH=(cchh), VOL=(vvv) PROCESSING WILL CONTINUE WITH NEXT TRACK**

Explanation: An empty track was found at the CCHH (cchh) in the VTOC on volume (vvv). The track is skipped and processing continues with the next track.

2849 **AN ERROR WAS ENCOUNTERED WHILE ATTEMPTING TO LOAD THE REPORTNM TABLE**

Explanation: The report name table used in the standard non-VSAM reporting functions could not be loaded. A previous message should explain the nature of the error and the corrective action required.

2850 **ONE OR MORE OF THE FOLLOWING PARAMETERS MUST BE SPECIFIED ON THE REPORT COMMAND: CIA, CLDATA, DSINDX, DSUTIL, ISAMDS, MAPPER, MEMBER, MVDICT, PDSTAT, POCCHH, PODUMP, POTTRD, POXREF, PO1REF, PO2REF, SVDICT, SPFRPT=**

Explanation: These parameters supply report name requests to SAMS:Disk. You must specify at least one of them on the REPORT command.

2851 **REPORT NAME (xxx) IS NOT VALID NOT FOUND IN REPORTNM TABLE**

Explanation: Report name (xxx) could not be found in the REPORTNM table of PARMLIB. Verify the spelling of the report name. Consult Section 3, Reports, in the SAMS:Disk User's Guide for a description of the valid report names.

2852 **THE RPT= PARAMETER CANNOT BE SPECIFIED ON THE SAME REPORT COMMAND AS EITHER NVSAMRPT= OR SPFRPT=**

Explanation: The RPT= parameter is used for specifying VSAM reports which are generated from VSAM or DMF/EF Type-2 catalogs. The NVSAMRPT= and SPFRPT= parameters, however, are produced as a result of scanning a volume's VTOC and reporting on DSCB information. Because of the conflicting sources of these reports, it is invalid to combine them on a REPORT command. Separate REPORT commands must be supplied after a SCAN REAL and SCAN CATALOG= command.

2854 **ONLY THE REPORT COMMAND IS VALID WHEN SCANNING MSS OR REAL VOLUMES.**
SCAN COMMAND NUMBER = (CMDnnn)
NON-REPORT COMMAND NUMBER = (CMDnnn)

Explanation: The only command supported currently for VTOC scans is the REPORT command. Other commands may become available in future releases of SAMS:Disk. The command numbers correspond to the values which are printed on the CMDPRINT report echoing the input command statements.

2856 **VOLUME (vvv) NOT FOUND ONLINE**
FORMAT-4 APPENDAGE NOT UPDATED

Explanation: Volume (vvv) was not found online and therefore the following SAMS:Disk format-4 DSCB appendage areas could not be inserted: volser at +148, unit address, submodule, device class, UCBSTAT, UCBSTAB.

2858 **VOLUME COUNT LESS THAN 1 OR GREATER THAN 20**

Explanation: The volume count passed to the module ADSVS063 was less than 1 or greater than 20.

2859 **SELECT COMMANDS MUST SPECIFY A VOLUME LIST, ENTER THE VOLUMES= PARAMETER ON SELECT COMMAND (CMDnnnn)**

Explanation: You must specify a volume list on the SELECT command in order to limit the number of volumes that will be scanned. If you want all volumes to be scanned, specify VOL=/. This requirement can be made optional by specifying sysparm VOLSELRE with a value of N.

2860 **PROCESSING STARTED FOR VOLUME = (vvv)**
TOTAL VOLUMES PROCESSED = (nnn)

Explanation: The first line of this message prints when volume (vvv) has been selected for processing and the scan of the volume's VTOC is about to start. The printing of this line can be suppressed by specifying sysparm DLVOLMSG with a value of N. The second line prints when processing has completed for all volumes and is not governed by the sysparm.

This message is for informational purposes only and requires no action by the user.

2861 **RELATIVE RECORD # (rrr) EXCEEDS THE MAXIMUM RECORD SIZE OF 32760 BYTES.**
THE RECORD WILL BE SPLIT INTO SMALLER RECORDS.

Explanation: This informational message is issued when, during SAMS:Disk extract processing, a record is encountered that has a length greater than QSAM's maximum size of 32,760 bytes. To allow processing to continue, the record will be split into smaller records, each no larger 0 than 32,760 bytes, until all the records can fit into the sequential file.

2863 **DSN = (ddd) COULD NOT BE ALLOCATED ON VOL = (vvv) DATA SET BLOCK SIZE = (nnn), TRACK SIZE = (ttt)**

Explanation: Data set (ddd) could not be allocated on volume (vvv) because its blocksize (nnn) was larger than the volume's track size (ttt).

2865 **VOL = (vvv) NOT FOUND IN A TAPE POOL,**
HENCE NOT UPDATED AS IN-USE

Explanation: Tape pool support was specified and volume (vvv) could not be found in any tape pool. It must be added to the correct tape pool as an in-use volume.

2866 **USING (vvv) VTOC READER**

Explanation: SAMS:Disk is using the slower OBTAIN MACRO or BSAM VTOC readers instead of the faster EXCP VTOC reader. SAMS:Disk processing time may be significantly lengthened. See sysparm VTOCREAD in Section 4, Sysparms, in the Systems Guide for more details.

2867 **INVALID CHARACTER SPECIFIED IN EDIT PATTERN**

Explanation: Valid characters for pictures (patterns) are:

Z	for zero suppress (that is, significant digits will be displayed, but leading zeros will be suppressed)
9	for digit indicators with leading zeros not being suppressed
$	for dollar sign fill character
,	comma
.	decimal point

2868 **ILLEGAL FIRST CHARACTER SPECIFIED IN EDIT PATTERN. FIRST CHARACTER MUST BE “9", ”Z", “$”, or “.” (DECIMAL POINT).**

Explanation: Message is self-explanatory.

2869 **DATA SET WAS PREVIOUSLY CATALOGED TO THE RESTORE VOLUME BUT DEVICE TYPE IN CATALOG DIFFERS; RECATALOGED TO UPDATE DEVTYPE - FIELD IN CATALOG. DSNAME=(ddd)**

Explanation: SAMS:Disk detected that data set (ddd) was previously cataloged to the restore volume but the device type in the catalog’s entry is different from that of the volume’s entry. The data set is recataloged to reflect the device type of the volume.

This recatalog can occur on data sets that were previously archived and scratched but not uncataloged from a volume which was later assigned to a device of a different type; for example, “TSS001" was once a 8595 but is now a 8598.

2870 **INVALID KEY (kkk) RETURNED. RETRIEVING NEXT AVAILABLE ARCVOLID ENTRY.**

Explanation: SAMS:Disk has encountered invalid key (kkk) in the ARCHVOLS file. SAMS:Disk will retrieve the next valid ARCVOLID and generate a unique key. The user should, however, attempt to determine the nature of the invalid key residing in the ARCHVOLS file and correct it.

2871 **NO MORE ARCHVOLS ID PATTERN CHARACTERS AVAILABLE.**

Explanation: This is one of those messages you should "never get," since SAMS:Disk has the capability of generating 800,000 unique ARCHVOLS keys. If you have received this message, here is what has happened and some possible solutions:

Each time SAMS:Disk is asked to generate a unique key, it first retrieves the lowest entry in the ARCHVOLS subfile using the current ID character. SAMS:Disk generates unique keys by using the first valid ID character supplied in sysparm ARCVOLID and, starting with 99999 and decrementing by 1 for each subsequent request, generates a key. For example,

)99999,)99998,)99997 ...)0000

When the 00000 entry has been generated, SAMS:Disk retrieves the next ID character from sysparm ARCVOLID and begins again from 99999 generating unique keys. For example,

%99999, %99998, %99997 ... %0000

If you receive this message, it implies that SAMS:Disk has generated a 00000 key entry for every valid ARCVOLID character supplied. Possible solutions are:

- Run MERGE and write some of your archived data sets to tape, thus freeing up some of the unique keys.
- Supply additional ID characters via sysparm ARCVOLID. Note: Valid ID characters are non-alphanumeric characters except SAMS:Disk pattern characters ('/', '*' '!' and '?').

2872 **INVALID CHARACTER ENCOUNTERED IN ARCVOLID SYSPARM. CHARACTER IS BEING BYPASSED.**

Explanation: Values supplied in sysparm ARCVOLID may not be SAMS:Disk pattern characters ("/", "*", "!", nor "?") nor may they be alphanumeric. SAMS:Disk will bypass the invalid character and select another, but the invalid character should be changed to a valid one to ensure the availability of the maximum number of unique key possibilities.

2873 **THE PARAMETER CMDGENMBR= CANNOT BE SPECIFIED WITHOUT THE CMDGENDSN= PARAMETER**

Explanation: The command generation data set must be sequential. A PDS is not supported.

2874 **INVALID DSORG FOR COMMAND WORK DATA SET. MUST BE DEFINED AS SEQUENTIAL - DSN = (ddd)**

Explanation: SAMS:Disk has determined that data set (ddd) is something other than physical sequential (PS) in format. The data set was specified in the CMDGENDSN= parameter. Specify another data set which does have a data set organization of PS or remove the parameter.

2875 **OPEN FAILED FOR COMMAND WORK DATA SET, DSN = (ddd)**

Explanation: SAMS:Disk has detected an error while trying to open the command generation work data set (ddd). The exact cause of the error is detailed in another message. Either correct the error in this data set, specify a different work data set name or remove the CMDGENDSN= parameter from the command.

2878 **ISPF REPORT DEFINITION DATA SET COULD NOT BE ALLOCATED, DSN = (ddd)**

Explanation: Data set (ddd), which contains the ISPF report definition, could not be allocated. The cause of the allocation error is printed in another message. Refer to the allocation error message for problem resolution. The ISPF reports cannot be generated as long as the error condition exists.

2879 **ISPF REPORT DEFINITION DATA SET IS WRONG DSORG - MUST BE A PARTITIONED DATA SET, DSN = (ddd)**

Explanation: Data set (ddd), which has been supplied for the ISPF report definition library, is not defined as a partitioned data set. Either the wrong data set name was supplied directly on the command via the SPFDSNAM= parameter, or it was improperly specified in sysparm SPFDSNAM. Supply the correct name and rerun the job.

2880 **ISPF REPORT DEFINITION DATA SET COULD NOT BE OPENED MBR=(mmm), DSN=(ddd)**

Explanation: Report definition member (mmm) could not be opened for processing. The reason for the error is detailed in a subsequent error message. The report name was probably misspelled, or the report name exists in the $INDEX member of data set (ddd) but the PDS does not have a member name of R$mmm (where mmm is the 1- to 6- character name in the message text).

2881 ISPF REPORT DEFINITION TABLE SIZE EXCEEDED

Explanation: An in-core table has exceeded its maximum capacity. The table size is controlled by field MAXCOUNT in ADSDM608. Contact the SAMS:Disk Technical Support Center for a zap to increase the size of this table.

2882 THE FOLLOWING ISPF REPORT NAME COULD NOT BE FOUND IN THE ISPF REPORT DEFINITION DATA SET: REPORT NAME=(rrr) ISPF REPORT DEFINITION DSN=(ddd)

Explanation: Report name (rrr) was not found in the $INDEX member of the report definition data set (ddd). Verify that both the correct member and data set name were specified.

2883 ISPF REPORT DEFINITION DATA SET HAS AN INVALID RECORD LENGTH - MUST BE 200 OR LESS, DSN=(ddd)

Explanation: The report definition data set (ddd) has an invalid record length. Either the wrong data set name has been supplied or it was not created using standard SAMS:Disk utilities. The proper record length is 200.

2884 IF THE MI CONTROL STACK IS BEING MAINTAINED, THE PREVIOUS MESSAGE WAS ISSUED BY MODULE (mmm).

Explanation: In Release 7.0, all modules that issued messages by calling program ADSDM190 were changed to call ADSDM590 instead. At this same time, the module name to be printed in the message itself was inserted as the first parameter in the list; that is, it precedes all of the parameters previously being passed to ADSDM190.

Prior to Release 7.0, the module name to appear in the message was automatically retrieved via the MI control stack, which is documented in Section 7, Problem Analysis/Aids, in the Systems Guide. Due to a “fast path” performance improvement to MI, the control stack is no longer maintained unless a DD statement starting with MTF is present in the JCL for the step being executed.

This message should appear only if a user-written program is using ADSDM190 to print messages. If you wish to get rid of this warning message, see Section 6, Message Formatting, in the Systems Guide for instructions on changing your program to call ADSDM590 instead of DM190.

2885 **NO JFCB WAS FOUND FOR DDNAME = (ddd)**

Explanation: DDNAME (ddd) passed as input to this module was not specified in the JCL and therefore no volume list can be built. The RDJFCB has returned an initialized JFCB with no volumes specified.

2887 **(nnn) VOLUMES ENCOUNTERED IN JFCB/JFCBX. PARTIAL LIST BEING RETURNED.**

Explanation: SAMS:Disk has found that (nnn) volumes were specified in the JFCB and JFCBX. Since SAMS:Disk supports a maximum of 35, only the first 35 volumes will be passed back in the volume list.

2888 **DMS IS UNABLE TO CHAIN ARCHVOLS RECORDS. (kkk) IS EITHER AN INVALID KEY OR IT ALREADY EXISTS IN THE ARCHVOLS SUBFILE.**

Explanation: SAMS:Disk is attempting to build and chain ARCHVOLS records from the list of volumes created by chaining through the JFCB and JFCB extension(s). When SAMS:Disk tried to insert the newly created ARCHVOLS record, it found that a record with key (kkk) already exists or the key is invalid. See the REPARCH utility as documented in Section 7, Problem Analysis/Aids, in the Systems Guide for problem determination and recovery.

2889 **USER EXIT (xxx) NOT INVOKED. RETRIEVAL OF ARCHVOLS RECORD FAILED.**

Explanation: SAMS:Disk encountered an error when it attempted to retrieve sequence number one of the ARCHVOLS record being processed. The job will not abend, but user exit (xxx) will not be invoked.

2891 **FILES DATA SET IS ON UNSUPPORTED DEVICE. CORRECT AND RESUBMIT.**

Explanation: SAMS:Disk does not support the files data set on the device type being used. Move the files data set to a different device type and resubmit the failing job.

2892 **CAPACITY REQUEST OF (nnn) RECORDS FOR SUBFILE=(fff) NOT SUPPORTED FOR BLKSIZE=(bbb). INCREASE THE BLKSIZE AND/OR REDUCE THE CAPACITY REQUESTED. USER 200 ABEND BEING ISSUED.**

Explanation: The maximum number of records specified in the FILEDEFN member of your PARMLIB data set is too large for the physical blocksize being used for the files data set. Either reduce the capacity value of (nnn) within the FILEDEFN member or increase the blocksize on the files DD statement (or both) before attempting to format the files data set again. See Section 1, Files Data Set Management, in the Systems Guide for more information.

2893 **CLUSTER DELETION BEING RETRIED WITH NOSCRATCH OPTION**

Explanation: A delete request was attempted for a VSAM cluster, but it failed because the format-1 DSCB was not present. SAMS:Disk was instructed to retry the delete attempt with the NOSCRATCH option of delete (see sysparm VSNOSCRO in Section 4, Sysparms, of the Systems Guide). This is an informational message and no action is required.

2894 **ERROR OCCURRED WHILE TRYING TO REPLACE ARCHVOLS RECORD. RECORD NOT FOUND FOR KEY = (kkk).**

Explanation: This message indicates that sometime between the time the ARCHVOLS record was retrieved and the execution of this job, the record for key (kkk) had been deleted. This is a condition that really should never occur.

2895 **VERSION PARAMETER IS INVALID FOR THE SUBFILE = (fff)**

Explanation: The version parameter is not allowed for subfile (fff) selected in the dump command.

2896 **VERSION REQUESTED IS GREATER THAN THE OLDEST VERSION FOR DATA SET NAME = (ddd)**

Explanation: The version requested in the version parameter is greater than the oldest version that is in the DSNINDEX subfile for data set (ddd). Decrease the version number specified in the parameter in the command and resubmit the job.

2897 **RECORD REQUESTED NOT FOUND, SUBFILE = (fff), KEY = (kkk)**

Explanation: A record for key (kkk) could not be found in subfile (fff).

2901 **RACF CVT ADDRESS NOT FOUND RACF NOT ACTIVE ON THE SYSTEM**

Explanation: SAMS:Disk tried to locate the RACF CVT address to determine system-dependent information critical to SAMS:Disk. SAMS:Disk did not find it, which indicates SAMS:Disk's RACF support is trying to be executed in a non-RACF shop. Turn off the SAMS:Disk RACF support.

2902 **A CRITICAL ERROR WAS ENCOUNTERED WHILE READING THE ISPF REPORT DEFINITION DATA SET: MEMBER NAME=(mmm) ISPF REPORT DEFINITION DSN=(ddd)**

Explanation: A critical error kept SAMS:Disk from reading the report definition data set (ddd). Refer to the subsequent message for a detailed description of the problem. Correct the error and rerun the job.

2903 **(xx) TYPE IS INVALID FOR SYSPARM=ARC0TYPE (or) (xx) TYPE IS INVALID FOR SYSPARM=ARCCTYPE**

Explanation: A value of (xx) has been specified for the indicated sysparm, but is invalid. For a list of proper values, see Section 4, Sysparms, in the Systems Guide under the named sysparm. A user 200 abend is issued to terminate processing after this message is given. Correct the sysparm value and resubmit the job.

2904 **ARCHIVE DATA SET NAME PREFIX EXCEEDS MAXIMUM OF 22 CHARACTERS**

Explanation: Sysparms ARC0NAME, ARCCNAME, MERPnNAM or MERCnNAM (or, if specified, the DSN parameters from the //ARCHIVE0, //ARCHIVEC or //ARCHIVEn DD statements) provide one or more high-level index names to be used when building a data set name. For archives on disk, SAMS:Disk always appends 22 characters to the prefix. Since a data set name can contain only 44 characters, the maximum length of the prefix is 22.

For archives on tape, SAMS:Disk by default also appends 22 characters to the prefix, or will use only the prefix as the archive data set name, depending on the value of sysparm ARCTNAME.

See Section 4, Sysparms, in the Systems Guide for a description of these sysparms. A user 200 abend terminates processing after this message.

Correct the DD statement or sysparm, or specify sysparm ARCTNAME, and resubmit the job.

2905 **DEVICE TYPES MUST BE THE SAME WHEN BOTH THE PRIMARY AND THE DUPLICATE COPY ARE ON DISK DEVICES.**

Explanation: A request was made to archive/backup one or more data sets to disk (rather than tape), with both the primary and the duplicate copy directed to disk. The volumes selected were of different device types, which is not supported. Ensure that the pools of disk volumes to be used for archives contain volumes of the same device type with sufficient space. A user 200 abend terminates processing after this message is issued. Correct the available volumes and resubmit the job.

2906 **A COMPLETE MULTIVOLUME LIST COULD NOT BE BUILT FOR ARCKEY = (kkk . THE NEXT RECORD IN THE CHAIN IS (kkk BUT NO ARCHVOLS RECORD EXISTS FOR THIS KEY. A PARTIAL LIST IS BEING RETURNED.**

Explanation: SAMS:Disk encountered an error while trying to build a list of all ARCHVOLS records chained in the multivolume archive data set, arckey = (kkk1). ARCHVOLS record (kkk2) is missing and therefore all records chained from it are disconnected from the prior segments.

2907 **AN ERROR HAS OCCURRED WHILE ATTEMPTING TO DELETE ARCHVOLS RECORD = (kkk)**

Explanation: This message indicates that the delete failed for the ARCHVOLS record (kkk). Validate that the record exists in the ARCHVOLS subfile of the files data set.

2908 **OUT-OF-SEQUENCE CONDITION FOUND IN ARCHIVE VOLUME RECORDS. KEY=(kkk).**

Explanation: In locating all the volumes for a specific archive data set, SAMS:Disk has discovered that records are not chained in correct sequence. For instance, record 1 is chained to key)123456 but the volume sequence for key)123456 is not 2 as it should be.

This message may be a result of attempting to copy a volume which is not sequence number 1 of a multivolume archive data set. Only the first volume of a multivolume data set should be specified for tape copy. The rest of the volumes of the sequence will be copied automatically when the first volume is copied.

Verify that no special maintenance to archive volume records has caused the error. Use the archive volume record report to verify the status of the records. Use the SAMS:Disk REBUILD utility to correct the situation.

2909 **VOLUME RECORD MISSING FROM MULTIVOLUME RECORD CHAIN. KEY=(kkk).**

Explanation: In locating all the volumes for a specific archive data set, SAMS:Disk has discovered that not all records have been found for the archive data set. That is, the volume count in the first index record does not correspond to the number of volume records chained. The volume record for key (kkk) is missing.

This condition should never arise. Verify that no special maintenance to archive volume records has caused the error. Use the archive volume record report to verify the status of the records. Use the SAMS:Disk REBUILD utility to correct the situation.

2911 **THE DEVICE TYPE FOUND IN THE ARCHVOLS RECORD FOR THE REQUEST FILE IS IN ERROR. IT DOES NOT REFER TO DISK, TAPE OR 3480.**

Explanation: The ARCHVOLS entry is incorrect. Attempt to REBUILD the archive volume into the SAMS:Disk index and rerun SAMS:Disk.

2912 **DISK ARCHIVE FILE NOT LOCATED, CANNOT CONTINUE VOL=(vvv), DSN=(ddd), RC=(ccc)**

Explanation: SAMS:Disk has been requested to perform an action requires it to read a disk archive file. The records for the file were found in the archive volume index but the actual data set (ddd) was not found on the disk volume (vvv) pointed to by the index record.

The data set has probably been deleted, moved or renamed. If the data set still exists, move it back to the volume indicated in the message or run REBUILD function to re-create the archive index records for it.

RC	Meaning
2	File is RACF-protected and access denied
4	Volume not online
8	Data set not on volume
8+	See Appendix A for OBTAIN error code

2913 **RESTORE OF DSNAME=(ddd) FAILED**
or
MERGE OF DSNAME=(ddd) FAILED

Explanation: Restore, recover or merge of file (ddd) was not completed successfully. See previous messages for exact information on why the request failed.

2914 **ERROR OPENING "ARCHIVES" DD STATEMENT FILE**

Explanation: REBUILD has encountered an error while trying to open the input archive file DDNAME=ARCHIVES. Previous error messages describe the error. Also, see the console log and JSS message listings for more information regarding this error.

2916 **UNABLE TO DETERMINE THE NUMBER OF VOLUMES TO PROCESS**

Explanation: REBUILD was attempting to determine the number of volumes comprising the archive data set when it encountered an error. The error types are:

RC	Meaning
4	maximum of 35 volume limit exceeded
8	volumes not specified in JCL ARCHIVES dd
16	ARCHIVES DD statement missing

2918 **CORRECT SYSPARM DYNEXPDT AND RESUBMIT**

Explanation: Sysparm DYNEXPDT is specified to provide either an expiration date or a retention period. It is used whenever the output tape or disk file must be dynamically allocated. It has been specified incorrectly. See Section 4, Sysparms, in the Systems Guide for the proper format. Correct the value and resubmit the job.

2919 **INCORRECT BLOCK FOUND, TAPES ARE EITHER OUT OF PROPER SEQUENCE, A VOLUME IS MISSING OR A BAD TAPE. CALCULATED EXPECTED BLOCK# (nnn), READ BLOCK# (rrr)**

Explanation: SAMS:Disk REBUILD has encountered a block number sequence problem while reading the input archive file. The block number found on the record (rrr) did not match the actual sequence number calculated (nnn) for the block read.

This is usually a sign that a multiple volume tape input was processed out of sequence or that a tape volume is missing from the series. If a single volume is input, it is a bad tape. Use the SAMS:Disk tape fix utility to correct the tape and rerun REBUILD.

After this error, use the SAMS:Disk purge function to clean up any DSNINDEX and ARCHVOLS records created before the point of the abend.

2920 **ARCHIVE KEY ASSIGNED TO DATA SET NAME (ddd) is (kkk)**

Explanation: During REBUILD processing, SAMS:Disk created an archive volume record for data set (ddd) with a key of (kkk). If REBUILD should abend, use this key to inspect the archive indexes to determine what files have been processed prior to the abend. Before rerunning REBUILD, use the IXMAINT PURGE function to remove these incomplete records from the indexes.

2921 **LOGICAL END OF DATA SET RECORD MISSING FOR THE LAST FILE ON THE DATA SET. DATA SET NAME = (ddd) INCOMPLETE INPUT DATA, THIS AND POSSIBLY OTHER FILES NOT REBUILT FROM INPUT ARCHIVE DATA SET.**

Explanation: SAMS:Disk REBUILD has reached the end of the input data on the input file but the last data set found in the SAMS:Disk archive file was not complete. All records for it had not yet been read. This could be caused by:

- The data set would not fit on this tape, and was written to the next tape. Check your LISTD report to verify the data set was written on the following tape.
- Not all of the volumes for a multivolume input archive data set are supplied.
- The tape may be unreadable. If so, use the SAMS:Disk TAPEFIX function to create a readable copy.

Before rerunning REBUILD, use IXMAINT to remove the incomplete archive key and associated records from the files data set.

2923 **SYSTEM PARAMETER UCBALLOC IS SET HIGHER THAN MAXIMUM OF 64. ABEND 202.**

Explanation: Sysparm UCBALLOC is used to specify the maximum number of volumes that a SAMS:Disk job will dynamically allocate at one time. It has been specified incorrectly. See Section 4, Sysparms, in the Systems Guide for the proper format. Correct the value and resubmit the job.

2925 **DMS RESTRICTION - DISK ARCHIVE DATA SETS NOT ALLOWED DSN = (ddd)**
or
DMS RESTRICTION - CHECKPOINT DATA SETS NOT ALLOWED DSN = (ddd)

Explanation: SAMS:Disk has rejected data set (ddd) from processing because its name indicates it is a SAMS:Disk archive data set and is excluded from processing by this function. See Section 7, Archive Management, of the User's Guide for techniques on managing these files.

2926 **NOTE —- THE DMS ARCHIVE INDEX DEVICE TYPE DOES NOT AGREE WITH THE CATALOG DEVICE TYPE. DATA SET HAS BEEN MOVED.**
WE RECOMMEND YOU RUN REBUILD FUNCTION ON THE VOLUME TO IMPROVE DMS FILE SEARCH PERFORMANCE.
REBUILD ARCHIVE KEY = (kkk), DATA SET NAME = (ddd)

Explanation: SAMS:Disk has encountered an archive data set on disk that was moved to a device type that is different from the device type on which it was created. Since SAMS:Disk keeps direct search pointers in its index entries that correspond to unique device types, its search technique is probably not as efficient as it would normally be.

You may do any one of the following:

- Ignore the message. SAMS:Disk will reposition either forward or backward as needed, giving you all normal functionality. Performance will be slowed imperceptibly.

- Improve SAMS:Disk Restore search performance by moving the archive data set on disk (ddd) back to its original device type with Move/Copy. SAMS:Disk will then be able to use its direct search pointers in future Restores.

- Improve SAMS:Disk Restore search performance by Merging the archive data set on disk. While Merge performance may be slowed somewhat, SAMS:Disk will then be able to use its direct search pointers in future Restores.

- Improve SAMS:Disk Restore search performance by running PURGE SCRATCH=NO,DELPROF=NO,VOL=(kkk) with SAMS:Disk sysparm UNCATPSUn, followed by a Rebuild. Since the archive data set on disk (ddd) is cataloged, you need only specify the data set name in the REBUILD ARCHIVES DD statement. SAMS:Disk will then be able to use its direct search pointers in future Restores.

2927 **ERROR LOCATING CATALOG ENTRY FOR ARCHIVE DATA SET, ATTEMPTING TO RESTORE WITH ARCHIVE INDEX INFORMATION.**

Explanation: SAMS:Disk has found a DATE/TIME type archive data set name. By SAMS:Disk standards this type of name should always be cataloged. This one is not. SAMS:Disk has attempted to continue processing with the archive volume and device type information kept in its index. If no further messages are printed, the attempt has succeeded. Catalog the data set name to avoid this message in the future. This message is followed by catalog locate error messages indicating the data set name that is not cataloged.

2928 **ARCHVOLS RECORD (kkk) SELECTED FOR MERGE PROCESSING IS MARKED AS OPEN; THEREFORE, THIS RECORD IS BEING BYPASSED.**

Explanation: The specified archive data set was selected either explicitly or implicitly for MERGE processing. When the ARCHVOLS record was examined, it was found that the record was still marked as open. To preserve integrity, this archive data set is being bypassed.

2929 **PERCENTAGE CALCULATION CANNOT BE DONE FOR THIS ARCHIVE DATA SET ON DISK, ARCKEY = (kkk). DATA SET IS BEING BYPASSED.**

Explanation: Percentage calculations for determining whether to merge an archive data set on disk are calculated on a percentage of the total kilobytes written to the data set at archive time. At the time of archive, the ARCHVOLS record with a key of (kkk) did not get updated to include this value. SAMS:Disk cannot calculate the appropriate percentage value. This data set must be explicitly requested by listing its corresponding ARCHVOLS key on the INCLUDE= parameter on the MERGE command, or by specifying PERCENT=0 on the MERGE command.

2932 **NO VOLUME WAS FOUND IN THE DISK POOL TO SATISFY THE MINIMUM ALLOCATION REQUIREMENTS OF (nnn) BYTES.**

Explanation: This message will be issued when SAMS:Disk attempts to allocate an output disk archive but cannot find any valid volume in the disk pool that has a contiguous free extent large enough to satisfy the number of bytes (nnn) specified in sysparm SPACEPRI.

A volume is considered valid if it is online and not excluded from consideration because it is being used by the primary archive data set (see sysparm ARCSEPC). A user 200 abend will terminate processing after the message is issued.

For additional information regarding space allocation for archival to disk, see Section 3, Tailoring Options, in the Systems Guide.

2933 **DISK ARCHIVE DATA SET NOT PROPERLY CATALOGED WILL ATTEMPT TO USE ARCHIVE INDEX TO DETERMINE LOCATION**

Explanation: SAMS:Disk requires that disk archive data sets be cataloged in a catalog accessible to SAMS:Disk. The archive maintenance function has attempted to locate a disk archive data set through the system catalog. The catalog search for the data set name failed for reasons shown in a previous message. In an attempt to continue to process, SAMS:Disk attempts to look in the archive index to determine the location of the file.

If no subsequent error messages were issued relating to this error, SAMS:Disk has recovered from the error. Otherwise take appropriate action for those messages.

2934 **CREDT=(yyddd) and DAYSOLD=(nn) MAY NOT BOTH BE SPECIFIED ON THE SAME MERGE COMMAND.**

Explanation: When CREDT= is specified on a MERGE command, only ARCHVOLS records with a creation date less than or equal to this date can be selected for processing. Similarly, when DAYSOLD= is specified, the number of days on the command is subtracted from the current date (or alternate date specified), and only those ARCHVOLS records with a creation date less than or equal to the resultant date can be candidates for selection.

The intent is to give the user two ways of arriving at a date to compare against the ARCHVOLS creation date. It is invalid to specify both parameters on the same MERGE command.

2935 **THE FOLLOWING DATA SET REQUIRED MORE THAN THE 35 (or 5) VOLUME OUTPUT LIMIT. IT WAS BYPASSED. —- DSN=(ddd)**

Explanation: Space predictions indicated data set (ddd) requires more than the maximum number of output tapes supported by SAMS:Disk. For VOS3 systems this number is 35; for non-VOS3 systems it is 5. The data set is skipped and processing continues for the next data set. Verify that the data set is indeed that large, and take appropriate actions to back it up by other means. Setting sysparms TAPEFEET or CARTFEET to unusually low values may also cause the volume limit to be reached unexpectedly.

2936 **DMS WAITING FOR DATA SET ALREADY IN USE DATA SET NAME=(ddd)**

Explanation: SAMS:Disk processing needs to have enqueue control over data set (ddd). The data set is not available to SAMS:Disk so it must wait until the resource becomes available. The message will disappear from the operator's console when the resource is freed for SAMS:Disk use.

2941 *****WARNING*** MAXIMUM SUPPORTED RECORD SIZE EXCEEDED - RECORD LENGTH=(nnn) MAXIMUM SIZE SUPPORTED=(ooo)**

Explanation: A data set contains a logical record that exceeded the maximum size as specified with sysparm IOMAXREC. The record length is (nnn); IOMAXREC is specified with a value of (ooo). The data set name will be printed in a subsequent message. Set IOMAXREC to a value equal to or greater than the largest logical record in the data set and rerun the job.

2942 **PS, UT OR VT DATA SET ARCHIVED WITH BDAM BEING RESTORED WITH BSAM, DSN = (ddd)**

Explanation: A track overflow data set was archived with BDAM support on a SAMS:Disk release previous to 7.0 due to the specification of sysparm PSBDAMAR (which is now obsolete). This message is to inform you that data set (ddd) is being restored with SAMS:Disk Release 7.0 or later with the correct access method BSAM.

2945 **ARCKEY SPECIFIED (kkk) HAS A SEQUENCE NUMBER GREATER THAN ONE.**

Explanation: ARCHVOLS record identified by key (kkk) has been processed by the RESET command, and at one time was part of a chain of ARCHVOLS records representing a multivolume data set. Since multivolume entries are normally managed by accessing the key of the first ARCHVOLS entry (sequence number one), this informational message is printed merely to log that you requested this special update.

2946 **DEVICE CLASS SPECIFIED ON THE COMMAND IS INVALID OR MISSING. YOU MUST SPECIFY EITHER TAPE, DASD OR 3480.**

Explanation: In order for SAMS:Disk to build a new ARCHVOLS record via the BUILDARC command, it must be supplied with all parameters on the command. Be sure that a valid type of TAPE, DASD or 6485 has been supplied.

2947 **AN ERROR HAS OCCURRED WHILE TRYING TO BUILD (AND CHAIN) THE NEW ARCHVOLS RECORD. DMS IS BYPASSING THIS BUILDARC COMMAND.**

Explanation: Check all preceding messages for information as to why the ARCHVOLS record(s) could not be built. In addition, all parameters on the BUILDARC command are required; therefore verify that all values have been supplied properly and are valid.

2948 **EXPIRATION DATE FOR ARCKEY = (kkk) WAS RESET TO (yyddd).**

Explanation: The expiration date for an ARCHVOLS record identified by key (kkk) was reset to the Julian date (yyddd) by using the EXPDT parameter on the RESET command in the IXUPDATE function of SAMS:Disk.

2949 **OPEN FAILED, DCB INDICATED OPEN UNSUCCESSFUL, DCBOFLGS - (xx)**

Explanation: An attempt to open an ISAM data set has failed. Verify if the data set can be read by any other utility programs. Take corrective action as needed. If the data set can be opened by other programs, contact the SAMS:Disk Technical Support Center for assistance.

2950 **ARCHIVE REJECTED DUE TO PREVIOUS MESSAGE(S) FOR DATA SET; VOL = (vvv), DSN = (ddd)**

Explanation: Messages issued previously should indicate why this request to archive data set (ddd) on volume (vvv) was rejected.

2951 **ATTEMPT TO CREATE STAE ENVIRONMENT FAILED RC=(cc)**

Explanation: An attempt to create a task termination recovery environment was unsuccessful for reason (cc). SAMS:Disk may not be able to recover from anticipated errors.

2952 **ATTEMPT TO DELETE STAE ENVIRONMENT FAILED RC=(cc)**

Explanation: An attempt to delete a task termination recovery environment was unsuccessful for reason (cc). Contact the SAMS:Disk Technical Support Center for assistance.

2953 **INVALID RDW DETECTED, NEXT DISK ADDRESS; VOL=(vvv), CCHHR=(aaa)**
—RECORD FOR 32 BYTES - (ccc)
—PREVIOUS RECORD; (nnn), (kkk)
or
—-ERROR PROCESSING FIRST RECORD OF DATA SET

Explanation: While attempting to read a variable-record ISAM data set on volume (vvv) at full disk address (aaa), an RDW (record descriptor word) was found in error. The content of the record (ccc) is displayed in hex prefix by the RDW. Location information for the count (nnn) and key (kkk) of the previous record is given to assist in a super zap attempt to correct the problem.

2954 **KEY SEQUENCE DETECTED, NEXT DISK ADDRESS; VOL=(vvv), CCHHR=(aaa)**
—KEY FOR 32 BYTES - (ccc)
—PREVIOUS RECORD; (nnn), (kkk)

Explanation: While attempting to read an ISAM data set on volume (vvv) at full disk address (aaa), a record key was found out of sequence. The key of the record (ccc) is displayed in hex. Location information for the count (nnn) and key (kkk) of the previous record is given to assist in a super zap attempt to correct the problem.

2955 **Snnn ABEND INTERCEPTED DURING READ —DISK ADDRESS; VOL=(vvv), CCHHR=(aaa)**

Explanation: A system abend (nnn) occurred while read an ISAM data set. The volume (vvv) and full disk address (aaa) is provided as additional information for user corrective action.

2956 **(xxx) ABEND INTERCEPTED DURING OPEN**

Explanation: Consult the Hitachi message and codes manual for the cause of an abend as indicated by (xxx), and take the appropriate corrective action.

2957 **SYNAD EXIT INVOKED FOR QISAM READ; DCBEXCD=(xxx), NEXT DISK ADDRESS VOL=(vvv), CCHHR=(cchhr)**

Explanation: Hitachi's QISAM access method indicated an I/O error occurred while reading a data set. The DCBEXCD code, volume and CCHHR values are provided to help you locate the error and attempt a recovery if possible. Appendix A explains the DCBEXCD codes.

2959 **SAS DATA SET WITH PREMATURE ZERO LENGTH (EOF) RECORDS ARE NOT PROCESSED BY DMS, DSN = (ddd). ZERO LENGTH RECORD OCCURRED JUST AFTER RELATIVE TTR = (ttr , LAST USED BLOCK (DS1LSTAR) = (ttr SAS UTILITY "PROC COPY" SHOULD BE USED TO CORRECT THIS CONDITION.**

Explanation: SAMS:Disk processing logic has found a data set (ddd) it believes was created by the SAS package produced by the SAS Institute, Inc. SAMS:Disk has also detected an end-of-file record after (ttr1) where it was expected to occur only after (ttr2).

If the TT portions of the two TTRs are different and if SAMS:Disk processing of the data set continues, a loss of data will occur. The data set is bypassed. Copy the data set with the SAS PROC COPY utility to a new name, delete the original data set and rename the copy to the old name. SAMS:Disk can then process it again.

If the TT portions of the two TTRs are identical, it is less likely that data will be lost. However, the data set is still bypassed. Copy the data set with the SAS PROC COPY utility to a new name, delete the original data set and rename the copy to the old name. SAMS:Disk can then process the data set.

Reference: SAS tracking number 71806 and SAMS:Disk PMR number 4439.

2960 ERROR SYNCHRONIZING 3480. R15=(nn)

Explanation: SAMS:Disk issued the Hitachi SYNCDEV macro to empty the 6485 hardware buffer. Processing has failed with a return code as displayed by the contents of register 15.

SAMS:Disk recovers from the error, saves the data set being processed, and continues. However, you should consult the appropriate Hitachi manual to interpret the error code from the SYNCDEV macro and to determine the proper action to correct the 6485 failure.

2961 THE 3480 DRIVES ARE IN COMPATIBILITY MODE. IF THE JOB ABENDS, SAVE THE ACTIVE INPUT TAPE. RUN IT THROUGH REBUILD, THEN RE-MERGE.

Explanation: The 6485 tape drives being used for output are in compatibility mode instead of full function mode. This prevents SAMS:Disk from emptying the data buffers at the appropriate times to guarantee that all data from an input tape volume has been successfully copied to the new 6485 cartridge. When the 6485 is used in compatibility mode, its data buffers are guaranteed to be emptied only when the cartridge is successfully closed. If an abend occurs, the amount of data in the buffers (not successfully copied forward) is unknown. Therefore, to ensure that no data has been lost, the input tape should be saved and reprocessed.

(When the 6485s are in full function mode, SAMS:Disk uses the additional features to ensure that data buffers are emptied at appropriate times to maintain data integrity, without the need for any reprocessing.)

2964 FCREDT=(yyddd) and FDAYSOLD=(nn) MAY NOT BOTH BE SPECIFIED ON THE SAME MERGE COMMAND

Explanation: When FCREDT= is specified on a MERGE command, only ARCHVOLS records with a creation date greater than or equal to this date can be selected for processing. Similarly, when FDAYSOLD= is specified, the number of days on the command is subtracted from the current date (or alternate date specified), and only those ARCHVOLS records with a creation date greater than or equal to the resultant date can be candidates for selection.

The intent is to give the user two ways of arriving at a date to compare against the ARCHVOLS creation date. It is invalid to specify both parameters on the same MERGE command.

2965 **INVALID TYPE (ttt) SPECIFIED FOR DEVICE TYPES TO PROCESS.**

Explanation: The value (ttt) specified in the TYPES= parameter on the MERGE command is not valid. You may specify up to three of the valid values DASD, TAPE and 6485.

2967 **DMS AUTO-RESTORE INVOKING ITSELF FOR DSN=(ddd)**

Explanation: One SAMS:Disk auto-restore task is causing another SAMS:Disk auto-restore task to be scheduled. This is not allowed by the current structure. If data set (ddd) truly needs to be restored, schedule a batch SAMS:Disk restore job to perform the task.

2969 **ANOTHER DMSAR TASK HAS RECALLED OR DEFERRED DSN = (ddd)**

Explanation: The current data set (ddd) was auto restored by another DMSAR STC request and has been restored or deferred. If an abend did not occur with the "other" DMSAR STC, the current request for (ddd) is satisfied and the data set is available. If an abend did occur with the "other" DMSAR STC, review MSGPRINT from the "other" DMSAR for details.

2970 **ESTAE COULD NOT BE SET**

Explanation: An error condition was detected in ADSAR003 while attempting to set up an error recovery environment. Because an error recovery routine could not be established, no automatic recall of the data set was attempted. Contact your systems programming staff to determine the problem cause and a resolution.

2971 **DO YOU WANT TO RESTORE THE DATA SET (Y/N) ?**

Explanation: The data set being restored has been archived to the SAMS:Disk pseudo volume. A response of ’Y’ will initiate a DMSAR request. A response of ’N’ will return the previous panel to your TSS session and not auto restore the data set. Review USERMOD8 in the *Installation Guide* for customization options.

2972 **DO YOU WANT AN (I)MMEDIATE OR A (D)EFERRED RESTORE (I/D) ?**

Explanation: There are two ways of auto restoring a data set. An immediate request will perform a “normal” auto restore of the data set immediately. A deferred request will uncatalog the data set from the pseudo volume and place a restore request into the deferred restore subfile (RESTCMDS) for DISPOSE processing. Review USERMOD8 in the *Installation Guide* for customization options.

2973 **DO YOU WANT TO WAIT FOR THE RESTORE TO COMPLETE (Y/N) ?**

Explanation: A 'Y' response will suspend your TSS session until the data set has been restored. A 'N' response will initiate a DMSAR STC for the data set. If the data set is currently being "actively" restored, message 2974 is issued instead of starting a DMSAR STC. Review USERMOD8 in the *Installation Guide* for customization options.

For SAMS:Vantage user's, the auto restore request is passed to the Auto Restore Manager (ARM) regardless of the response.

2974 **DSN CURRENTLY BEING RESTORED BY ANOTHER TASK**

Explanation: This message informs the user that another DMSAR STC is currently restoring the requested data set.

2975 **DMS START COMMAND FAILED**

Explanation: An attempt was made to start a SAMS:Disk auto-restore, but the START command failed. The procedure DMSAR may not be available. Contact your systems programming staff for problem determination.

2976 **DATA SET SUCCESSFULLY RESTORED**
or
AUTO-RESTORE COMPLETED WITH RETURN CODE OF (ccc)

Explanation: The auto-restore task has completed. If the restore failed, review the descriptive message that follows. If the message does not provide enough information, review the DMSAR restore task's output (specifically the MSGPRINT output of the DMSAR proc) to determine the cause of the failure.

2977 **STARTED TASK HAS NOT RESPONDED YET -- TERMINATE AUTO-RESTORE? (Y/N)**

or

STARTED TASK HAS NOT RESPONDED YET -- AUTO-RESTORE HAS BEEN CANCELED. PROCNAME=(xxx), STEPNAME=(yyy)

Explanation: A start command was issued by SAMS:Disk, but the started task failed to respond within the allotted time. The auto-restore exit prompts either the TSS user or the system operator to see if SAMS:Disk should cancel the auto-restore. If you reply <Y> to the prompt, you will get the remaining portion of the message indicating a critical error. You normally would want to wait only if the started task could not begin because of a resource conflict which is locking it out.

The most likely cause of this error is that either the procedure name DMSAR is not in the proper proclib or an address space could not be created to service the start request.

2978 **DATA SET IS ARCHIVED TO TAPE VOLUME = (vvv)**

Explanation: In the event the data set has been archived to a Tape/Cartridge media, this message informs the "waiting" user that a Tape mount for volume (vvv) is required. At this point, the user is queried once more with:

```
DO YOU STILL WANT TO WAIT FOR THE RESTORE TO COMPLETE (N/Y)?
```

Review USERMOD8 in the *Installation Guide* for customization options.

2979 **ESTAE EXIT ENTERED**

Explanation: An undetermined error has caused the error recovery exit in auto-restore to be entered. Restoration of the data set may or may not have been completed. The entire system diagnostic work area (SDWA) has been written to SYS LOGREC. Obtain a printout of this record and contact the SAMS:Disk Technical Support Center for assistance.

2980 **ARCB ID IS NOT VALID - ORIGINATING TASK MAY HAVE TERMINATED**

Explanation: The restore control block does not exist at the address supplied to the started task. The restore request is ignored and no further processing takes place. This error can be caused if the originating task is canceled or if the start command was issued from the operator's console. If the requesting task was canceled, no action is necessary. This task should not be started from the operator's console.

2983 **TO CANCEL RESTORE, ENTER: P (xxx)**

Explanation: This is a highlighted informational message used to instruct the systems operator how to cancel the SAMS:Disk restore in progress. It will remain on the console until either the restore task ends or the operator cancels the job. This message is informational in nature and requires no user action. Note that this message is only issued for auto-restores which require a tape mount. No operator message is issued if the auto-restore is being serviced from a DASD device.

2984 **TAPE MOUNTS ARE NOT ALLOWED FOR AUTO-RESTORES FROM TSO USER**

Explanation: Based on options in effect at your installation, auto-restores are not allowed to issue tape mounts. The archived data set must reside on DASD to be a candidate for auto-restore.

2985 **S30A ABEND SUPPRESSED**

Explanation: This is an informational message. No action is required by the user.

This message is issued subsequent to message 2979, which indicates that an error occurred. If, during the analysis of the error, SAMS:Disk detects that an S30A abend occurred, the abend is suppressed and normal processing continues. The started task will get this error if the task which started the auto-restore ends and frees the ARCB control block unexpectedly. Because the area in CSA has already been freed, there is no reason to abend the started task.

2986 **DATA SET NOT FOUND ON VOLUME (vvv)**

Explanation: This message is issued when the S213 hook of SAMS:Disk has triggered an auto restore for an uncataloged data set.

2987 **DATA SET CATALOGED TO SAMS:DISK PSEUDO-VOLUME (vvv)**

Explanation: This data set was recataloged to a SAMS:Disk pseudo volume that is used for automatic restore capability.

2988 **A SAMS:DISK DMSAR TASK FOR DSN = (ddd) IS IN PROGRESS FOR JOBNAME = (jjj)**

Explanation: This informational message informs the originating auto restore requester that the DMSAR STC has started for data set (ddd) and jobname (jjj).

2991 **RESTORE REQUEST CHANGED TO DEFERRED BECAUSE OF USER EXIT ARESPREX**

Explanation: The restore request was changed to deferred because of the condition code set by user exit ARESPREX. This is an informational message and no action is required.

2992 **OTHER TASK CONVERTED RESTORE TO DEFERRED RESTORE**

Explanation: Another DMSAR STC request has changed the original request of immediate to deferred. The current auto restore “wait” request for this data set is informed of the auto restore request change.

2993 **DATA SET SUCCESSFULLY RESTORED**

Explanation: Each DMSAR started task that successfully auto restores a data set notifies the original requester with this message. Unless a TSS user chooses to wait, any subsequent requesters of the same data set will be informed that another DMSAR task is currently restoring the data set.

For SAMS:Vantage users, all Primary requesters along with subsequent requesters of the same data set are notified by the Auto Restore Manager (ARM) that the data set has been successfully restored.

2995 **NO INDEX RECORD FOUND FOR DATA SET**

Explanation: The DMSAR started task did not find a matching DSNINDEX record for the data set being auto restored. Note that the data set is uncataloged from the pseudo volume at the end of this restore process.

Verify the FILES or MFILES DD statement in the DMSAR proc has the correct files data set and/or concatenation.

2997 **AUTO RESTORE BYPASSED DUE TO LACK OF READ AUTHORITY (ACF2)**

.. or ..

AUTO RESTORE BYPASSED DUE TO LACK OF READ OR CONTROL AUTHORITY

Explanation: A Security Authorization Facility (SAF) call is performed for a data set prior to being auto restored. If the originating request does not have the necessary authority to the data set, the auto restore is bypassed. Review USERMOD8 setting in the *Installation Guide* to override the default setting.

2998 **USER EXIT DENIED THE RESTORE REQUEST**

Explanation: The auto restore user screening exit (ARESPREX) is active, and has bypassed the auto restore request.

2999 **MOUNT REQUEST DENIED BY SYSPARM "ARTAPEOK"**

Explanation: Specifying 'N' (Batch or TSS Users) or 'B' (TSS Users) to sysparm ARTAPEOK rejects tape mount requests. Refer to the sysparm description of ARTAPEOK in the *Systems Guide* for more details.

3001 **ESTAE EXIT ENTERED DURING OPEN FOR VSAM DATA SET=(ddd) SYSTEM COMPLETION CODE=(sss) USER COMPLETION CODE=(uuu)**

Explanation: While attempting to open VSAM data set (ddd), VSAM internal processing encountered an abend. SAMS:Disk recovered from the error sufficiently to process other data sets, but the one in the message was bypassed for further processing.

The system and user completion codes returned to the ESTAE exit are displayed in the message text as a means of diagnosing the problem. The system completion code is displayed in hexadecimal format, while the user completion code is displayed in decimal.

3004 **DSNAME = (ddd) ON VOLUME = (vvv) NOT RESTORED. SEE PREVIOUS MESSAGE.**

Explanation: An OPEN error has occurred for volume (vvv). Data set (ddd) cannot be restored from that volume. Refer to previous SAMS:Disk messages for this volume to determine the nature of the error. This message is issued for every data set SAMS:Disk is attempting to restore from the volume in question.

3006 **INVALID DSCB TYPE ENCOUNTERED; VOL=(aaa), FMTID=(bb); DSCB ASSUMED EMPTY**

Explanation: A DSCB on volume (aaa) had an undocumented identifier type of value (bb). This undocumented type is treated as an empty DSCB (or type X’00’).

3007 **DSN = (ddd) ON VOLUME = (vvv) NOT UNCATALOGED BECAUSE VOLUME OFFLINE**

Explanation: Data set (ddd) was not uncataloged during IXMAINT. It was cataloged to offline volume (vvv). If you prefer to uncatalog offline data sets, see sysparm IXMVOLON.

3008 **EITHER “BEGIN”, “BMONTH”, “BWEEK” OR “BMEMBER” MUST BE SPECIFIED - COMMAND REJECTED**

Explanation: One of the four listed parameters must be specified on the ACCUM command. Specify one and resubmit the job.

3013 **(vvv) - DMS ARCHIVES, NOT SCRATCH**

Explanation: Volume (vvv) was mounted for output but it is already in the SAMS:Disk archives. If message 3014 or 0309 precedes this message, further action will be required. This message is informational only.

3014 **TAPE LABEL HAS BEEN ALTERED**
TAPE VOL=(vvv)
OLD DSN=(ddd) OLD EXP=99999
NEW DSN=(nnn) NEW EXP=99999

Explanation: For non-DFP 1.1 systems, volume (vvv) has been overwritten. Recovery action is required. Follow the procedure outlined in Section 7, Problem Analysis/Aids, in the Systems Guide.

3018 **DEFINE FAILED FOR ALIAS POINTER = (ppp)**

Explanation: During catalog recovery, an attempt was made to define an alias pointer (ppp) for the catalog. See previous messages for error.

3019 **DELETE FAILED FOR CATALOG = (ccc)**

Explanation: During catalog recovery, an attempt was made to delete the catalog (ccc). See previous messages for error.

3020 **UNABLE TO ALLOCATE EXPORT DATA SET.**
CATALOG = (ccc) CANNOT BE RECOVERED.

Explanation: During catalog recovery, an attempt was made to allocate an export format data set for catalog (ccc). See previous messages for error.

3021 **CRITICAL ERROR IN THE EXPORT DATA SET.**
CATALOG = (ccc) CANNOT BE RECOVERED.

Explanation: While creating the export format data set for catalog (ccc), a critical error occurred. See previous messages for error.

3022 **AT TIME OF BACKUP, ALIAS POINTER = (aaa)**
EXISTED FOR CATALOG = (ccc)

Explanation: This is an informational message. The alias pointer for the catalog is listed.

3023 **EXPORT FORMAT DATA SET DEALLOCATION**
FAILED FOR CATALOG = (ccc)

Explanation: The deallocation of the export format data set for catalog (ccc) failed. See previous messages for error.

3024 **CATALOG = (ccc) DOES NOT EXIST.**
IT WILL BE REDEFINED DURING IMPORT.

Explanation: During catalog recovery, an attempt was made to retrieve catalog (ccc) information. Since the catalog does not exist, IMPORT will define it.

3025 **LOCATE FAILED FOR CATALOG = (ccc), MAY BE DUE TO DELETE OF CATALOG DURING RECOVER PROCESSING. DSNINDEX INFORMATION WILL BE USED TO PRINT THE RESTORED DATA SET REPORT.**

Explanation: SAMS:Disk message 2546 with a return code of 4 and a reason code of 6 was issued just prior to this one, which indicates that the catalog was deleted and restored during recovery processing. This message is informational only, to let you know that the report is being based upon the SAMS:Disk index record; that is, no error condition actually exists. (Consult Hitachi message JSC0009I-S, return code of 4 and reason code of 6, to confirm the Hitachi restriction that prevents SAMS:Disk from locating information in a catalog that was deleted and restored within the same job.) If the error codes in message 2546 are different from 4 and 6, see the description of message 2546 for more information.

3026 **VSAMONLY AND NON-VSAM ARE MUTUALLY EXCLUSIVE. CORRECT THE COMMAND AND RESUBMIT.**

Explanation: The RECOVER command statement included both the VSAMONLY and NON-VSAM parameters, which are mutually exclusive. Processing continues with the next command. Correct the command statement in error and resubmit the job.

3027 **VSAMONLY OR NON-VSAM IS INCONSISTENT WITH ICATALOGS=ONLY, CORRECT THE COMMAND AND RESUBMIT.**

Explanation: The RECOVER command statement included either VSAMONLY or NON-VSAM parameters with ICATALOGS=ONLY, which are mutually exclusive. Processing continues with the next command. Correct the command statement in error and resubmit the job.

3028 **MASTER CATALOG PASSWORD COULD NOT BE RETRIEVED. CATALOG = (ccc) NOT RECOVERED.**

Explanation: The master catalog password could not be retrieved for the catalog (ccc). The catalog could not be recovered.

3029 **SUPERLOCATE WORK AREA SIZE (xxx) TOO SMALL; NEED SIZE (yyy)**
or
MASTER CATALOG ALIAS WORK AREA SIZE (xxx) TOO SMALL; NEED SIZE (yyy)

Explanation: SAMS:Disk will not create a work area for Catalog Management of a larger size than that specified by SAMS:Disk sysparm CATLOCWA.

According to Catalog Management, if the first version of the message is produced, a work area of this size will not be large enough to contain the catalog entries based on the SAMS:Disk FIND command. The second version of the message indicates that the work area was not large enough to contain the ALIAS pointers for a catalog during Catalog Backup.

Increase the value of sysparm CATLOCWA to a 7-digit number at least as great as (yyy). If increasing the value of sysparm CATLOCWA cause GETMAIN or region messages or an SA08 abend, reduce the value of sysparm CATLOCWA. In this case, SAMS:Disk will not be able to process your FIND command.

If you specified a SAMS:Disk pattern name in your FIND 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 FIND command.

3030 **ALIAS POINTERS FOR CATALOG = (ccc)**
MAY NOT HAVE BEEN BACKED UP.
SEE PREVIOUS MESSAGES FOR ERRORS.

Explanation: An error occurred while retrieving an alias pointer for catalog (ccc). The alias pointers may not have been backed up. Previous messages should explain the error.

3031 **DATA SET NAME IN RECONx DD STATEMENT DOES NOT MATCH DATA SET NAME = (ddd) IN RESLIB**

Explanation: Data set (ddd) in the RECONx DD statement did not match the data set name found in RESLIB.

3032 **RECONx IS CONCATENATED.**
ONLY THE DATA SET NAME = (ddd) WILL BE USED.

Explanation: The RECONx DD statement was found to be concatenated. Only the first data set (ddd) will be used for DBRC support.

3033 **RECON DATA SET NAMES NOT FOUND IN RESLIB AND RECON DD STATEMENTS NOT PRESENT.**

Explanation: The RECON data set names were not available from the RESLIB and there were no RECONx DD statements present in the JCL. Provide the name of the RESLIB with the RECON data set names or RECONx DD statements in the job and resubmit.

3034 **RECON DATA SET = (ddd) IS EMPTY; ASSUMED TO BE SPARE.**

Explanation: This is an informational message. The RECON data set (ddd) was found to be empty and is assumed to be the spare RECON data set.

3035 **ERROR IN RETRIEVING HEADER RECORD.**

Explanation: The first record retrieved from the RECON data set was not the header record. The most recent RECON data set cannot be identified with the header record. Correct the record and resubmit the job.

3036 **ERROR IN RETRIEVING HEADER EXTENSION RECORD.**

Explanation: The second record retrieved from the RECON data set was not the header extension record. The most recent RECON data set cannot be identified without the header extension record. Correct the record and resubmit the job.

3037 **MOST RECENT RECON DATA SET = (ddd) IS BEING USED.**

Explanation: RECON data set (ddd) is being used to identify the data bases and the image copy records.

3038 **MOST RECENT RECON DATA SET = (ddd) NOT MARKED COPY 1.**

Explanation: This WARNING message indicates that the RECON data set with the highest use count (ddd) is not marked COPY 1 RECON. So, SAMS:Disk did not get the IMS database names from data set (ddd) because it is not marked as the primary RECON data set.

3039 **DBRCRLIB SYSTEM PARAMETER IS BLANK AND THE RESLIB DD STATEMENT IS NOT PRESENT.**

Explanation: DBRC support has been activated but the RESLIB is missing. If the RECON DD statements are not present, the job will abend. Correct the sysparm or add the RESLIB DD statement.

3040 **LOAD FAILED FOR RECONx MEMBER IN RESLIB**
or
ABEND CODE IS (nn) AND REASON CODE IS (nn)

Explanation: An attempt was made to load the RECONx member of RESLIB in order to retrieve the RECONx data set name. The job may continue based on cumulative errors.

3041 **A FAST PATH DATA BASE WITH MORE THAN ONE AREA HAS BEEN BACKED UP OR ARCHIVED. DBRC HAS NOT BEEN NOTIFIED.**
or
THE DBDNAME IS (ddd) AND THE AREA NAME IS (xxx)

Explanation: SAMS:Disk backed up a Fast Path database area, but the area count for the database is greater than one. DBRC has not been notified. The DBDNAME (ddd) and area name (xxx) are listed.

3042 **A FAST PATH DATA BASE WITH MORE THAN ONE AREA HAS BEEN RESTORED. DBRC HAS NOT BEEN NOTIFIED.**
or
THE DBDNAME IS (ddd) AND THE AREA NAME IS (xxx)

Explanation: This informational message tells you that SAMS:Disk restored a fast path database area but the area count for the database is greater than one. DBRC has not been notified. The DBDNAME (ddd) and area name (xxx) are listed.

3043 **IMAGE COPY DATA SET HAS BEEN MOVED OR COPIED TO A NEW NAME.**
ORIGINAL NAME IS (ddd); NEW NAME IS (nnn)

Explanation: An image copy data set from DBRC (ddd) has been moved or copied to a new name (nnn). DBRC is not notified and processing continues.

3044 **IMAGE COPY - (ddd) BEING MOVED IS NOT ON THE ORIGINAL VOLUME. DBRC HAS NOT BEEN NOTIFIED.**

Explanation: Data set (ddd) matches the name of an image copy data set, but it is not on the volume as indicated in the image copy record. Therefore DBRC is not notified and SAMS:Disk processing continues. The discrepancy should be accounted for and/or corrected.

3045 **CONTROL STATEMENT(S) WRITTEN FOR DSN/AREA DBRC COMMANDS**

Explanation: These are the DBRC control statements written for each data set/area processed as a DBRC registered data base.

3046 **ERROR OCCURRED WHILE WRITING TO DBRCCARD DDNAME.**

Explanation: An error occurred while writing the DBRC control statements to the DBRCCARD file. The previous message should explain the error.

3047 **INVALID VALUE SPECIFIED FOR DBRCSUPP.**

Explanation: An invalid value was specified for sysparm DBRCSUPP. The valid values are N or C. Correct the value and resubmit the job.

3048 **THE DD STATEMENT DBRCCARD MUST BE ALLOCATED IN THE JCL WHEN DBRCSUPP IS SPECIFIED AS C.**

Explanation: The DBRC interface requires the DBRCCARD DD statement to write the control statements for notifying DBRC. Add the DBRCCARD DD statement and resubmit the job.

3049 **THE DBRCDSNS MEMBER IS NOT IN PARMLIB.**

Explanation: The DBRCDSNS member in PARMLIB is missing. It is required for DBRC support. Add the member and resubmit the job.

3050 **DATABASE TABLE SIZE EXCEEDED. INCREASE THE DBRCDBSZ SYSTEM PARAMETER AND RESUBMIT.**

Explanation: The number of database entries was too large for the database table. Each entry requires approximately 62 characters of memory. Increase the value specified in sysparm DBRCDBSZ accordingly and resubmit the job.

3051 **IMAGE COPY TABLE SIZE EXCEEDED. INCREASE THE DBRCICSZ SYSTEM PARAMETER AND RESUBMIT.**

Explanation: The number of image copy entries was too large for the image copy table. Each entry requires approximately 80 characters of memory. Increase the value specified in sysparm DBRCICSZ accordingly and resubmit the job.

3053 ****** REGION TOO SMALL.**
REQUESTING (nnn) BYTES

Explanation: Memory storage is needed in the size indicated by (nnn). The REGION size for this job is too small. After issuing this message, the job is terminated with a user 100 abend.

Increase the REGION size and/or reduce the value of sysparm IOTRACKS and rerun the task. For more details, see Section 3, Tailoring Options, in the Systems Guide, in the discussion regarding I/O buffering and memory requirements.

3054 **INVALID FREEMAIN ADDRESS=(aaa)**
FREEING (nnn) BYTES

Explanation: A request to free memory at address (aaa) for a length of (nnn) bytes has failed. The job is terminated with a user 101 abend and a dump is produced. Contact the SAMS:Disk Technical Support Center for further assistance if needed.

3055 **ERROR ATTEMPTING TO SCRATCH THE DATA SET**
THAT WAS UNSUCCESSFULLY RESTORED.
THE DATA SET STILL REMAINS ON THE VOLUME.

Explanation: SAMS:Disk tried to restore a data set to disk. The new data set on disk was allocated, but the data set was not loaded successfully. Therefore, SAMS:Disk attempted to scratch the data to reclaim the disk space, but an error caused the scratch to fail too. The data set in error must be deleted manually.

3056 **DSCB UPDATE UTILITY NOT RUN DUE TO OPERATOR REPLY, SEE JOB LOG**

Explanation: Messages with this number are issued from the DSCB update utility as described below. The DSCB update utility requires console operator permission before starting its function. The operator has denied your request.

THE FOLLOWING DATA SETS WERE UPDATED WITH THE GIVEN CHANGES

DATA SET NAME	VOLSER	FIELD	MOVED VALUE
(ddd)	(vvv)	(fff)	(ccc)
		(fff)	(ccc)

Explanation: Where (ddd) is the data set name, (vvv) the volume, (fff) is the moved field name, and (ccc) is the value moved. If more than one field is shifted, the subsequent fields will be displayed with a blank data set name and volume as shown.

EQUAL NUMBER OF FIELDS AND STARTING COLUMNS MUST BE ENTERED

Explanation: This message is issued if the input parameters FIELD FROMCOL do not have the same number of items in their lists. Correct this condition and rerun the job.

INVALID INPUT FIELD NAME (xxx)

Explanation: A value of the FIELD parameter (xxx) was not one of the allowed names. See the Installation Guide for the format-1 DSCB update utility parameter definitions.

(xxx) = (nnn), IS AN INVALID DATE, DSCB NOT UPDATED

Explanation: The SAMS:Disk DSCB update utility did not update the DSCB (xxx) field, because the date requested for updating this field (nnn) is not a valid Gregorian or Julian date. See the General Information section of the User's Guide for valid SAMS:Disk date formats.

DSCB FOR DATA SET = (ddd) NOT UPDATED

Explanation: The SAMS:Disk DSCB update utility did not update the DSCB for data set (ddd). See previous SAMS:Disk messages for more detail.

3057 **DS1LSTAR FIELD IN FORMAT-1 DSCB FALSELY INDICATES MORE TRACKS USED THAN ALLOCATED! ALLOCATED TRACKS WILL BE USED IN CALCULATIONS.**

Explanation: The format-1 DSCB's DS1LSTAR field contains a relative track value for the last record written which exceeds the total number of allocated tracks for the data set. The used tracks value is probably erroneous. For SAMS:Disk calculation purposes, the DS1LSTAR field is equated to the highest possible relative track.

3058 **MULTIVOLUME ISAM DATA SETS ARE NOT SUPPORTED**

Explanation: The data set indicated in the previous message is a multiple volume indexed sequential data set. SAMS:Disk does not support these data sets.

3059 **UNCATALOGED ISAM DATA SET CONTAINS NO PRIME AREA POSSIBLY MULTIVOLUME; VOLUME=(vvv), DSNAME=(ddd)**

Explanation: No prime (or data) area extents exist in either the format-1 or format-3 DSCB for indexed sequential data set (ddd) on volume (vvv). Multivolume data sets may have this characteristic, but because the data set is not cataloged, there is no way to confirm this. In any event, a data set without prime extents cannot be processed.

3060 **(ttt) ———— (ddd) ON VOLUME (vvv)**

Explanation: This message begins a bracket for one or more messages associated with processing a data set. The type of messages bracketed will be (ttt). By default this is "MESSAGE(S) PERTAINING TO" (but other text may be issued as well). Data set (ddd) on volume (vvv) is associated with the messages that follow.

3061 **MESSAGE(S) COMPLETE FOR (ddd) ON VOLUME (vvv)**

Explanation: This message ends a bracket for one or more messages associated with processing data set (ddd) on volume (vvv).

3062 **INTERNAL PDS DIRECTORY EXCEEDS n-MEGABYTE(S)**

Explanation: This message is issued whenever SAMS:Disk loads a PDS directory into memory that exceeds 1 megabyte, and for every successive megabyte thereafter. It is informational only but may be of help in diagnosing data set-related region size problems.

3063 **DIRBLKS SPECIFICATION IGNORED FOR NON-EXCP FORMAT**

Explanation: The DIRBLKS restore parameter is active only for PDSs archived with SAMS:Disk EXCP processing. Specification for non-EXCP archived data sets is ignored.

3064 **DIRBLKS ABSOLUTE VALUE INSUFFICIENT; MINIMUM USED - (nnn)**

Explanation: The absolute directory block value requested in the restore parameter DIRBLK is not large enough to restore the data set directory. As a result, the minimum value required, (nnn), will be used instead.

3065 **DIRBLKS OPTION NOT SUPPORTED FOR DEFERRED RESTORES; ORIGINAL DIRECTORY SIZE WILL BE USED.**

Explanation: The DIRBLKS parameter was specified on a deferred restore request. This parameter is not supported in deferred mode. The PDS will be restored with its original directory size.

3066 **DIRBLKS ADJUSTMENT VALUE IS NON-NUMERIC**

Explanation: The first value in the DIRBLKS parameter contains non-numeric information.

3067 **DIRBLKS ADJUSTMENT TYPE IS INVALID (NOT PCT OR ABS)**

Explanation: The DIRBLKS parameter adjustment type specified as the second value is not PCT or ABS (percent or absolute, respectively).

3068 **REQUESTED DIRECTORY BLOCKS NOT OBTAINED IN FIRST EXTENT. DIRECTORY BLOCKS REQUESTED - (nnn), FORMATTED - (fff).**

Explanation: An attempted was made to format (nnn) directory blocks, but only enough space was available to format (fff) directory blocks. A PDS directory must be in first extent in order to facilitate directory block search channel programs.

3069 **DS1LSTAR FIELD IN FORMAT-1 DSCB FALSELY INDICATES MORE TRACKS USED THAN ALLOCATED! DATA SET CANNOT BE MODIFIED (OR EXTENDED).**

Explanation: The format-1 DSCB's DS1LSTAR field contains a relative track value for the last record written which exceeds the total number of allocated tracks for the data set. Because the next track to extend the data set from is determined by DS1LSTAR, the data set cannot be processed.

3070 **MEMBER MERGE INTO UCC CONTROLLED PDS IS PROHIBITED**

Explanation: The attempt to add a member into an UCC controlled PDS is rejected because UCC6's product-dependent method is required to update the data set.

3071 **INSUFFICIENT DIRECTORY SPACE TO CONTAIN PDS MEMBERS; (bbb)-BLOCK MINIMUM REQUIRED.**

Explanation: An attempt to add members to a preallocated PDS failed because not enough directory blocks were available to contain all members. A minimum of (bbb) directory blocks are required for processing.

3072 **INCOMPATIBLE ATTRIBUTES PROHIBIT MEMBER LOAD INTO PDS CONTAINING MEMBERS.**

Explanation: An attempt to add members to a preallocated partition data set containing members failed because the existing members have incompatible data set attributes; for example, blocksize, RECFM, LRECL or KEYLEN.

3073 **INSUFFICIENT AVAILABLE SPACE TO CONTAIN PDS MEMBERS; (ttt)-BLOCK MINIMUM REQUIRED.**

Explanation: An attempt to add members to a preallocated PDS failed because the available allocated space was not large enough to hold the members requested in the restore. A minimum of (ttt) available tracks (free tracks) in the data set is required to satisfy the request.

3074 **FALSE EOF DETECTED FOR MEMBER (mmm); MEMBER-TTR=(aaa)/(bbb), PREFIX-TTR=(ccc)/(ddd)**

Explanation: In pre-Release 7.5, SAMS:Disk used a string of 8X'EE' to denote the end-of-member. In some rare cases, this same sequence of characters would appear in archived data and later be interpreted as the end-of-member at restore time. This informational message relates data used in determining the false EOF, where (mmm) is the name of the real member associated with the false EOF, (aaa) is the first TTR of the member, (bbb) is the highest referenced TTR of the member, (ccc) is TTR in the archive record prefix of the record containing the 8X'EE', and (ddd) is the TTR of the next archived record prefix.

3075 **"/xxxxxxx" SELECTED ALL MEMBERS!**

Explanation: The pattern "/xxxxxxx" specified in the member list parameter will result in all members being selected for this entry; that is, all other member list entries are ignored.

3076 **MEMBER LIST SELECTED NO MEMBERS!**

Explanation: The entries specified in the member list parameter did not match any members in the PDS. As a result, the command associated with the member list will fail.

3077 **(eee) SELECTED (nnn) MEMBERS**

Explanation: The member list entry specified has selected members for processing as defined on the associated command, where (eee) is the member name or pattern and (nnn) is the number of matching members.

3078 **(eee) SELECTED NO MEMBERS!**

Explanation: Member list entry (eee) did not match any member in the PDS. Note: The processing defined for the command associated with the member list will continue with the other members in the list.

3079 **(eee) SELECTION WAS SUPERSEDED BY (fff)!**

Explanation: The member list entry (aaa) meets the same selection criteria as entry (bbb). The number of members that would be selected by both are reported as (bbb).

3080 **TOTAL MEMBERS SELECTED (nnn)**

Explanation: When more than one member list entry is specified, this message reports the total number of members (nnn) to be processed as defined on the associated command.

Note: The total number of members (nnn) may be higher than the sum of all members selected if either an entry in the member list is a real member with alias associated with it or an entry in the member list is an alias, because specification of a member with alias/real member relationships implies processing of all associations.

3081 **MEMBER (mmm) ALREADY EXISTS AND NOT REPLACED!**

Explanation: During an attempt to add the member (mmm) to the PDS, SAMS:Disk found that a member with that name already exists in the PDS. Because the REPLACE parameter was not specified, the member was not added. Note: The processing defined by the command continues with the remaining members.

3082 **(nnn) MEMBERS TOTAL ALREADY EXIST AND NOT REPLACED**

Explanation: During an attempt to add members to an existing PDS, it was determined that (nnn) member(s) already exist. Because the REPLACE command option was not specified, these additions failed. Note: The processing defined by the command continues with the addition of members (selected) not previously existing in the PDS.

3083 **NO MEMBERS ARE ADDED OR REPLACED**

Explanation: Because all members (selected) previously existed in the PDS and the REPLACE option was not specified for the command, the command's action fails for the data set.

3084 **UNDEFINED CLASS-CODE - CODE=(ccc)**

Explanation: During processing of the PDS anomalies table, an entry containing an invalid class code (ccc) was detected. The invalid class code is bypassed and processing continues.

3085 **PDSANMLY TABLE NOT FOUND IN PARMLIB - TBLNAM=(ttt)**

Explanation: Threshold table (ttt), specified via sysparm PDSANMLY, was not found in the PARMLIB data set. Processing continues with default thresholds of zero.

3086 **INVALID CLASS-CODE OPTION - CODE=(ccc), OPT=(n)**

Explanation: PDS anomaly table specified with sysparm PDSANMLY contains an entry with an invalid option, where (ccc) is the class-code for the entry and (n) is the value of the option in error. Processing continues with default option of zero.

3087 **NON-NUMERIC THRESHOLD VALUE - CODE=(ccc), THRES=(ttt)**

Explanation: PDS anomaly table specified with sysparm PDSANMLY contains an entry with a non-numeric threshold, where (ccc) is the class-code for the entry and (ttt) is the value of the threshold in error. Processing continues with default threshold of zero.

3088 **PDS ANOMALY TABLE (ttt) CONTAINS ERRORS. ERRORS TO FOLLOWING.**

Explanation: When errors are detected loading the PDS anomaly table, this message is issued giving the name of the PARMLIB member (ttt) containing the errors which are described in subsequent messages.

3089 **#(nnn) PROCESSING THRESHOLD OF (aaa)% EXCEEDED AT (bbb)%**

Explanation: The PDS anomaly of class-code (nnn) processing threshold percentage of (aaa) percent is exceeded and calculated at (bbb) percent. This limit is by a table in PARMLIB referenced by sysparm PDSANMLY. As a result, processing for this data set is rejected.

3090 **#nnns**

Explanation: This message relates to anomalous (or error) conditions detected during the processing of partitioned data sets. (nnn) refers to a two-part three-digit class-code and (s) to the function being performed at the time; that is, (A)rchive, (F)iles, and (R)estore.

The precise message is determined by the three-digit code subsequently broken down into three groups. Further description of these codes is provided in Section 3, Tailoring Options, in the Systems Guide.

#0nns

Explanation: Class-code (0nnn) refers to anomalies concerning directory problems.

#001s I/O ERROR READING DIRECTORY; LAST BLOCK READ - TTR=(aaaa.aaa)

Explanation: An error occurred while reading a directory block from a PDS. (aaaa.aa) gives the relative track and record of the last directory block read.

#002s ILLEGAL DIRECTORY FORMAT;
WRONG LENGTH BLOCK, (nnn) BYTES AT TTR (aaaa.aa)
or
END-OF-FILE ENCOUNTERED PRIOR TO DIRECTORY BLOCKS(S)

Explanation: The PDS directory doesn't follow an intelligible format for the reason indicated. If the first reason is printed, an anamoly has been detected at TTR (aaaa.aa).

#003s END-OF-FILE OCCURRED BEFORE END OF ACTIVE DIRECTORY KEY WAS ENCOUNTERED; END-OF-DIRECTORY IS AT TTR=(aaaa.aa)

Explanation: The end-of-file record for the directory at (aaaa.aa) was read but a key of 8X'FF' was not in any directory block previously read.

#004s DIRECTORY BLOCK KEY IS OUT OF SEQUENCE

Explanation: The key in the preceding directory block displayed contains a key out of sequence.

#005s DIRECTORY BLOCK KEY NOT IN BLOCK

Explanation: The key in the preceding directory block displayed does not contain a member of the same name.

#006s DIRECTORY BLOCK MEMBER(S) ARE OUT OF SEQUENCE

Explanation: The member in the preceding directory block displayed has one or more member names that are not in ascending sequence.

#007s DIRECTORY BLOCK ACTIVE BYTE COUNT IN ERROR

Explanation: The active byte count in the preceding directory block displayed contains an incorrect value.

#1nns _____

Explanation: Class-code (1nnn) refers to anomalies concerning member extent problems.

#101s MEMBER(mmm) WITH TTR=(aaaa.aa) IS BEYOND DATA SET EXTENTS

Explanation: The member (mmm) in the directory has a TTR of value (aaaa.aa), which is outside the maximum calculated tracks for the data set.

#102s MEMBER(mmm) WITH TTR=(aaaa.aa) IS BEYOND DATA SET'S USED SPACE

Explanation: The member (mmm) in the directory has a TTR of value (aaaa.aa), which is outside the maximum calculated tracks for the data set.

#103s MEMBER(mmm) WITH TTR=(aaaa.aa) IS WITHIN DATA SET'S DIRECTORY

Explanation: The member (mmm) in the directory has a TTR of value (aaaa.aa), which is outside the used space for the data set reflected by the format-1 DSCB DS1LSTAR.

Class-code (2nnn) refers to anomalies concerning member data problems.

#201s I/O ERROR OCCURRED PROCESSING MEMBER (mmm) AT TTR(aaaa.aa)

Explanation: During the read of member (mmm), an input error was encountered at TTR=aaaa.aa.

#202s REAL MEMBER (aaa) AT TTR+n (bbbb.bb) WAS NOT FOUND.
or
#202s ALIAS MEMBER (aaa) AT TTR+n (bbbb.bb) WAS NOT FOUND. THE REAL MEMBER IS (ccc)

Explanation: The record at TTR (bbbb.bbb) indicated in the directory entry for member (aaa) did not exist. If member (aaa) is an alias entry, real member (ccc) is displayed.

#203s DUPLICATE REAL MEMBERS EXIST (aaa AND bbb)

Explanation: The member in modules (aaa) and (bbb) have the same starting location or TTR.

#204s MEMBER (aaa) HAS INCORRECT NOTE LIST SIZE FOR RECORD AT TTRN+n (bbbb.bb)

Explanation: The directory entry for member (aaa) indicates a note list exists at TTR (bbbb.bb), but the record length does not match the length indicated by the directory entry.

#205s MEMBER (aaa) NOTE LIST REFERS TO A NON-EXISTENT RECORD OF TTRX+n (bbbb.bb)

Explanation: The note list block for member (aaa) contains a reference (or TTRX) for a record TTR (bbbb.bb), but no record exists at that location.

#206s MEMBER(aaa) REFERS TO A NON-EXISTENT RECORD OF TTR+n (bbbb.bb)

Explanation: The directory entry for member (aaa) contains a reference to a record at TTR (bbbb.bb), but no record exists at that location.

#207s ALIAS MEMBER (aaa) IS DISCONNECTED FROM REAL MEMBER (bbb)

Explanation: Alias member (aaa) was connected (or associated) with real member (bbb), but the real member has been updated or deleted without updating or deleting the associated alias member.

If the real member (bbb) is contained within the alias directory entry, it is displayed. Otherwise "????????" is displayed.

#208s MEMBER (aaa) CONTAINS a nnn-BYTE BLOCK and DATA SET'S BLOCK SIZE IS nnn-BYTES
or
#208s PARTITIONED DATA SET'S LARGEST BLOCK IS nnn-BYTES; THE FORMAT-1 DSCB'S BLOCK SIZE IS nnn-BYTES

Explanation: The member (aaa) contains a record with a length greater than the value of DS1BLKL in the format-1 DSCB. Note, the largest block for the either the data set or member is always displayed.

#209s MEMBER (aaa) REFERS TO A NON-EXISTENT NOTE LIST BLOCK AT TTRN (bbbb.bb)

Explanation: The directory entry for member (aaa) indicates a note list block exists at TTR (bbbb.bb), but none was found at this location.

#210s OVERLAPPING MEMBER (aaa) DETECTED WITHIN MEMBER (bbb)

Explanation: For member (aaa), the directory references a record (or TTR) midway in member (bbb).

#211s MEMBER (aaa) nnn of yyy USER TTR(S) ARE INCONSISTENT WITH DIRECTORY ENTRY DATA LENGTH

Explanation: Of the yyy user TTRs indicated for this directory entry, nnn could not be contained within the entry's variable user data length. The user TTR count of nnn is ignored.

#212s MEMBER (aaa) IS INCOMPLETE; END OF DATA SET REACHED BEFORE END-OF-MEMBER

Explanation: An end-of-file record was expected for the member (aaa) prior to encountering the end-of-extents for the data set.

3091 SECONDARY VOLUME SEQUENCE REFERS TO COPY - (vvv), (sss), (ccc)

Explanation: Volume (vvv) sequence (sss) of a multivolume archive contains a copy reference (ccc). The copy reference will be removed.

3092 COPY VOLUME HAS MULTIPLE PRIMARIES - (vvv), (aaa), (bbb), (ccc), (ddd)

Explanation: The copy volume (vvv) has multiple primaries ((aaa) and (ccc)) referencing it. The primary with the earliest creation date ((bbb) and (ddd) respectively) will be deleted.

3093 COPY IS A PRIMARY - (vvv), (ccc)

Explanation: The primary volume (vvv) refers to a copy volume (ccc), but the copy volume is indicated as a primary. The primary's copy reference will be removed.

3094 COPY IS NOT VOLSEQ1 - (vvv), (ccc)

Explanation: The primary volume (vvv) refers to a copy volume (ccc), but the copy volume is indicated as something other than a sequence one volume. The primary's copy reference will be removed.

3095 **COPY VOLUME IS MISSING - (vvv), (ccc)**

Explanation: The primary volume (vvv) referred to a copy volume (ccc), but the copy volume did not exist in the ARCHVOLS subfile. The primary's copy reference will be removed.

3096 **COPY VOLUME (ccc) DELETED FROM VOLUME (ppp), CDATE=(ddd)**

Explanation: The primary volume (ppp) created on date (ddd) has had it's chained copy (ccc) removed to reconcile the ARCHVOLS subfile.

3097 **TYPE 1 FORMAT ARCHVOLS COUNT ERROR; ONE ASSUMED - (vvv), (nnn)**

Explanation: A type 1 ARCHVOLS record (vvv) has a multivolume count of (nnn) greater than the maximum of 5; the ARCHVOLS entry is processed with an assumed count of 1.

3098 **MULTIVOLUME CHAIN (ccc) IS CORRUPTED; PRIMARY CHAIN (ppp).**

Explanation: The multivolume archive chain beginning with volume (ccc) is damaged and will be deleted. If this chain is the primary, (ppp) will contain the text "*SAME*"; otherwise it will contain the volume serial of the primary ARCHVOLS record.

3099 **VOLUME (vvv) IS DISABLED BECAUSE COPY (ccc) EXISTS**

Explanation: The volume (vvv) is sequence one of a corrupted multivolume archive that was not deleted because a valid copy (ccc) exists; instead sequence one of the corrupted chain is kept and disabled to allow for data set recovery from the copy version (ccc).

3100 **TYPE 1 / TYPE 2 ARCHVOLS CONFLICT - VOL=(vvv) (aaa), SEQ1=(sss), CDATE=(ddd), ARCTYPE=(ttt)**

Explanation: Volume (vvv) occurred twice in the ARCHVOLS subfile. The disposition (aaa) is dependent on the creation date (ddd); that is, the later version is KEPT, the earlier version is DELETED. Additional information provided is the volume sequence (sss) and the volume type (ttt) (either PRIMary or COPY).

3101 **UNRESOLVED ARCHVOLS DELETED - (vvv), (sss), (ttt), (ddd)**

Explanation: Archive volume (vvv) was deleted, either because it could not be resolved as part of a validly chained sequence, or to resolve a conflict in the ARCHVOLS structure. The volume sequence number is (sss); (ttt) is the type (PRIMary or COPY), and (ddd) is the date and time.

3102 **DUPLICATE VOLUME IN POOL DELETED - (vvv), (ppp)**

Explanation: The volume (vvv) occurred twice in the SAMS:Disk pools. The version in pool (ppp) is deleted.

3103 **POOL VOLUME STATUS UPDATE - (ppp), (vvv), (sss)**

Explanation: The repair utility has updated the status of volume (vvv) in tape pool (ppp) to (sss), where (sss) is either “in-use” because an ARCHVOLS record exists, or “scratch” because no ARCHVOLS record exists.

3104 **ARCHVOLS DEVICE TYPE CHANGE - (vvv), (ooo), (nnn)**

Explanation: The DEVTEXIT specified on the REPARCH command requested a device type change in the ARCHVOLS record for volume (vvv) from device type (ooo) to (nnn).

3105 **RERUN REPARCH TO RESOLVE TYPE1/TYPE2 ARCHVOLS CONFLICT**

Explanation: Because a type 1/type 2 ARCHVOLS conflict existed, REPARCH wasn’t able to reconcile all ARCHVOLS and DMSPOOLS subfile entries. To complete the reconciliation, run the utility again.

3106 **SEQFILES LRECL TOO SMALL FOR SUBFILE - (fff), (lll)**

Explanation: The SAMS:Disk utility to unload the files data set has encountered a record in subfile (fff) that is larger than the LRECL specified on the output DD statement. Change the LRECL to (lll) on the output DD statement (SEQFILES) and run the unload utility again.

3108 **DSNDLPEX USER EXIT RETURNED INVALID RESULT OF (EXIT RC) TO MODULE.**

Explanation: The return code from the user exit module was not 0, 1 or 2.

3109 **USER EXIT DISALLOWED USER FROM DELETING RECORD FOR DSNAME (CMDSNAME)**

Explanation: The user exit returned the value 2; denying the right to delete the record being processed.

3110 **INVALID TIMEDATE ENTERED. THIS COMMAND REJECTED.**

Explanation: The minimum length of the timedate value is nine characters. The value specified is too short. Correct the value and resubmit.

3112 **(vvv) IS NOT A COPY; PRIMARY NOT UPDATED TO POINT TO IT.**

Explanation: Tape volume (vvv) does not carry the copy flag in the ARCHVOLS section of the files data set. IXUPDATE does not permit a primary tape to be attached to another primary as though it were a copy.

3113 **MULTIVOLUME CHAIN (ccc) SEQUENCE COUNT IS CORRUPTED; PRIMARY CHAIN (ppp).**

Explanation: The multivolume archive chain beginning with volume (ccc) has a volume count greater than the number of volumes in the chain; that is, the next volume chained field is blanks. The volume count will be changed to match the volumes in the chain. If this chain is the primary, (ppp) will contain the text "*SAME*"; otherwise it will contain the volume serial of the primary ARCHVOLS record.

3114 **ATA SET = (ddd) CONTAINS A BLOCK LARGER THAN THE MAXIMUM BLOCKSIZE FOR THE DEVICE.**

Explanation: Data set (ddd) contains a block of data that cannot be written to the device because it exceeds the maximum blocksize for the device. The data set must be restored to a device that has a larger maximum blocksize.

3120 **INVALID DATA SET NAME FOUND IN TABLE = (ttt)**
ENTRY NUMBER = (eee)
DSNAME = (ddd)

Explanation: The table name (ttt) contains an invalid entry. The invalid entry number is (eee). This message occurs when a null entry is specified without single quotes. Type single quotes at the beginning and end of the entry and submit the job again.

3122 **DMS WAS RETURNED ERROR CODE = (nn), REASON CODE = (cc) FROM THE RACROUTE REQUEST=VERIFY MACRO ENVIR=(eee) FOR (xx) CHARACTER USERID = (uuu) AND (yy) CHARACTER GROUP NAME = (ggg)**

Explanation: SAMS:Disk was returned a non-zero return code from its use of the RACROUTE REQUEST=VERIFY macro. To analyze the situation, locate the Hitachi manual System Programming Library: Resource Access Control Facility (RACF), or the equivalent Top Secret manual. Look up the meaning of the return code (nn) and reason codes (cc) for the value of ENVIR= parameter (eee) in the RACROUTE REQUEST=VERIFY macro documentation in that manual.

3126 **ARCHIVE REJECTED DATA SET NAME IS PARENTHESIZED**

Explanation: SAMS:Disk attempted to process a data set that contains a parenthesis within the data set name. The command was rejected. Rename the data set and remove the parenthesis and re-submit the job.

3127 **VOLSER LIST MUST BE SUPPLIED FOR VSIDCUTV SYSPARM**

Explanation: This message is issued when SAMS:Disk is restoring an alternate index for a VSAM cluster and it needs to invoke JSCVSUT to perform BLDINDEX processing. SAMS:Disk has determined that the JSCUT1 and JSCUT2 DD statements were not specified in the JCL, so SAMS:Disk attempts to dynamically allocate them. However, you have not specify system parameter VSIDCUTV to tell SAMS:Disk which volumes to use for the sort work files. Because of this, SAMS:Disk cannot allocate the sort files. SAMS:Disk does not terminate processing, however, since it may be possible for JSCVSUT to build the index in memory and not require the external sort work files.

If the BLDINDEX fails because the JSCUT1 and JSCUT2 DD statements are not allocated, you will need to either specify the VSIDCUTV system parameter or include the JSCUT1 and JSCUT2 DD statements in your restore JCL, then resubmit the job.

3128 **ERROR ALLOCATING IDCAMS SORT WORK FILE - EXTERNAL SORT CANNOT BE PERFORMED**

Explanation: This message is issued when SAMS:Disk is restoring an alternate index for a VSAM cluster and it needs to invoke JSCVSUT to perform BLDINDEX processing. SAMS:Disk has determined that the JSCUT1 and JSCUT2 DD statements were not specified in the JCL, so SAMS:Disk attempts to dynamically allocate them. However, an error was encountered that prevented their allocation. The exact cause of the error is detailed in a previous error message. SAMS:Disk does not terminate processing, however, since it may be possible for JSCVSUT to build the index in memory and not require the external sort work files.

If the BLDINDEX fails because the JSCUT1 and JSCUT2 DD statements are not allocated, you will need to either correct the cause of the allocation error or include the JSCUT1 and JSCUT2 DD statements in your restore JCL, then resubmit the job.

3131 **(ddd) NOT MIGRATED FROM (vvv): PASSWORD-INDICATED**

Explanation: Data set (ddd) on volume (vvv) was rejected for migration from DASD to tape because the PASSWORD parameter was not specified on the MODESET command and the data set was password-indicated.

3132 **(ddd) NOT MIGRATED FROM (vvv): NOT PASSWORD-INDICATED**

Explanation: Data set (ddd) on volume (vvv) was rejected for migration from DASD to tape because the PASSWORD parameter was specified on the MODESET command and the data set was not password-indicated.

3134 **GOOD COMPARISON FOR THE FOLLOWING DSNINDEX RECORD: DSNAME = (ddd), ARCHIVE DATE=(yyyy.ddd), ARCHIVE TIME=(hh:mm)**

Explanation: The RACF profile comparison check has determined that a DSNINDEX record in the user's files data set corresponds to a RACFENCD record in the user's files data set. This is an informational message only and indicates a normal condition.

3135 **THE FOLLOWING FIELDS IN THE FIRST OPERAND OF THIS CRITERIA WERE UNRESOLVABLE.**
or
IF THEY ARE DATES, USE A DIFFERENT DATE FORMAT. IF ALL OF THEM ARE NOT DATES, USE A LEADING ZERO.
or
UNRESOLVABLE FIELD = (xxx)

Explanation: For each field in the criteria selection, DSCL must determine whether the number represents a date or an absolute value. For 5-digit numeric values this can be a problem. SAMS:Disk tries to resolve these values by looking at the context in which they were used. If they can't be resolved, this message is printed.

If the unresolved 5-digit value is a date, simply use one of the other acceptable SAMS:Disk date formats (that is, if the value = 99365, re-enter the job with the value set to 99.36 . If the value is an absolute number, insert a leading zero (that is, if the value = 75000, re-enter the job with the value set to 075000).

At least two values will always be unresolved. You will need to change only one.

3136 **ENQUEUE OF ARCHIVE TAPE FAILED, VOL=(vvv), TAPE IN USE**

Explanation: Archive tape volume (vvv) was pulled from the SAMS:Disk tapepool for use as a scratch tape. The system enqueue against this volume was not successful. The tape is in use either in another SAMS:Disk job or in any user batch job. Double check your tapepool to make certain it is in sync.

3138 **ERROR RETRIEVING START COMMAND PARAMETER, EXECUTION TERMINATING**

Explanation: While running the automatic function to install the SAMS:Disk auto-restore catalog management interface, SAMS:Disk encountered an invalid input parameter. Valid parameters are INSTALL, REMOVE and STATUS. Provide correct parameters and resubmit the job.

3139 **DMS INTERFACE MODULE ADSAR010 IS NOT INSTALLED**

Explanation: A status check of the SAMS:Disk auto-restore catalog management interface indicates that the interface is not active.

3140 DMS INTERFACE MODULE ADSAR010 IS INSTALLED

Explanation: A status check of the SAMS:Disk auto-restore catalog management interface indicates that the interface is installed and active.

3141 MODULE ADSAR010 APPEARS TO BE INSTALLED; INSTALL ACTION BYPASSED

Explanation: During the installation of the SAMS:Disk auto-restore catalog management interface, SAMS:Disk determined that a copy of the interface (module ADSAR010) was already present. This copy of the catalog management interface module must first be removed before a fresh copy of the module can be installed.

3142 DMS CATALOG MANAGEMENT HOOK HAS BEEN INSTALLED SUCCESSFULLY

Explanation: The automatic installation of the auto-restore catalog management interface has successfully completed.

3143 ESTAE COULD NOT BE SET

Explanation: During an attempt to install the SAMS:Disk auto-restore catalog management interface, an ESTAE could not be established. Contact the SAMS:Disk Technical Support Center.

3144 ERROR RETRIEVING STORAGE FROM CSA TO HOLD DMS INTERFACE MODULE

Explanation: During an attempt to install the SAMS:Disk auto-restore catalog management interface, SAMS:Disk encountered insufficient CSA to load the interface module. Determine what has allocated CSA, release it, and try the installation procedure again.

3145 OLD CAT MGMT EPA=(xxx); NEW EPA=(yyy); SVC TABLE ENTRY ADDR=(zzz)

Explanation: Following the installation of the SAMS:Disk auto-restore catalog management interface, this message displays the original address of the SVC 26 catalog management module (xxx), its new address (yyy), and the address of the SVC 26 entry in the SVC table itself (zzz). No action is required.

3146 LOAD OF DMS INTERFACE MODULE ADSAR010 FAILED, RC=(xx)

Explanation: During an attempt to install the SAMS:Disk auto-restore catalog management interface, a non-zero return code was received when the SAMS:Disk interface module was loaded, and the load failed. Contact the SAMS:Disk Technical Support Center.

3147 **LOAD OF DMS INTERFACE MODULE ADSAR010 FAILED (INTO CSA); RC=(xx)**

Explanation: During an attempt to install the SAMS:Disk auto-restore catalog management interface, a non-zero return code was received when the SAMS:Disk interface module was loaded into CSA, and the load failed. Contact the SAMS:Disk Technical Support Center.

3148 **ERROR OPENING DCB FOR STEPLIB, CHECK FOR MISSING DD**

Explanation: During an attempt to install the SAMS:Disk auto-restore catalog management interface, an OPEN error occurred for the STEPLIB DD data set. Ensure that the DD statement exists and that the data set is not in error.

3149 **CATALOG MANAGEMENT INTERFACE DOES NOT APPEAR TO BE INSTALLED; DELETE REQUEST HAS BEEN BYPASSED**

Explanation: During an attempt to remove the SAMS:Disk auto-restore catalog management interface, SAMS:Disk found no interface module installed. The request to delete the interface is ignored.

3150 **CATALOG MANAGEMENT INTERFACE IS NOT THE FIRST IN MODULE CHAIN; MODULE CANNOT BE DELETED**

Explanation: During an attempt to remove the SAMS:Disk auto-restore catalog management interface, SAMS:Disk found another catalog management interface. This module must be removed before the SAMS:Disk auto-restore catalog management interface module can be deleted.

3151 **SVC TABLE ENTRY HAS BEEN UPDATED - OLD CAT MGMT EPA=(xxx); NEW EPA=(yyy) SVC TABLE ENTRY ADDRESS=(zzz)**

Explanation: Following the removal of the SAMS:Disk auto-restore catalog management interface, this message displays the old address of the module (xxx), the new address of the catalog management module (yyy), and the address of the SVC 26 entry in the SVC table itself (zzz). No further action is required.

3152 **WAITING FOR RUNNING AUTO-RESTORE JOB TO COMPLETE**

Explanation: During an attempt to remove the SAMS:Disk auto-restore catalog management interface, SAMS:Disk determined that an auto-restore job was in execution. The interface module will not be deleted until the auto-restore has completed. No other auto-restore jobs will be started through the catalog management interface module.

3153 **DMS INTERFACE MODULE ADSAR010 DELETED SUCCESSFULLY**

Explanation: The request to remove the SAMS:Disk auto-restore catalog management interface module was successfully completed.

3154 **ESTAE EXIT ENTERED, SYSTEM CODE=(xx); USER CODE=(yy)**

Explanation: During an attempt to install the SAMS:Disk auto-restore catalog management interface, SAMS:Disk encountered an error and the ESTAE exit has been invoked. Contact the SAMS:Disk Technical Support Center.

3155 **ENTRY POINT=(xxx)**

Explanation: During an attempt to install the SAMS:Disk auto-restore catalog management interface, SAMS:Disk encountered an error. Contact the SAMS:Disk Technical Support Center.

3156 **SDWA COULD NOT BE OBTAINED — NO FURTHER INFORMATION AVAILABLE**

Explanation: During an attempt to install the SAMS:Disk auto-restore catalog management interface, SAMS:Disk encountered an error. Contact the SAMS:Disk Technical Support Center.

3157 **EC PSW AT TIME OF ABEND=(xxx)**

Explanation: During an attempt to install the SAMS:Disk auto-restore catalog management interface, SAMS:Disk encountered an error. Contact the SAMS:Disk Technical Support Center.

3158 **ENTRY POINT=(xxx), OFFSET=(yyy)**

Explanation: During an attempt to install the SAMS:Disk auto-restore catalog management interface, SAMS:Disk encountered an error. Contact the SAMS:Disk Technical Support Center.

3159 GENERAL PURPOSE REGISTERS AT TIME OF ABEND:

Explanation: During an attempt to install the SAMS:Disk auto-restore catalog management interface, SAMS:Disk encountered an error. Contact the SAMS:Disk Technical Support Center.

3160 DMS CATALOG MANAGEMENT INTERFACE HAS NOT BEEN REMOVED DUE TO SIMULTANEOUS INSTALL/REMOVE OF ANOTHER INTERFACE

Explanation: During an attempt to remove the SAMS:Disk auto-restore catalog management interface, SAMS:Disk determined that another interface was simultaneously being added or removed. Determine the status of the SAMS:Disk catalog management interface and resubmit the request to remove it.

3163 DEFERRED RESTORE REQUEST HAS BEEN ACCEPTED FOR DSN=(ddd)

Explanation: This informational message indicates that (ddd) has been successfully stored into the RESTCMDS subfile of the files data set.

3164 DEFERRED RESTORE REQUEST REJECTED WITH RC= nn

Explanation: The data set being processed was not successfully queued into the RESTCMDS subfile of the files data set.

3167 ARCB CONTAINED INVALID DATA, NOT FREED

Explanation: The Automatic Restore Control Block (ARCB) has either been overlaid or has been freed by an auto-restore screening exit. If no user-defined auto-restore screening exit has been installed, contact the SAMS:Disk Technical Support Center.

3168 ARCB IS NOT VALID - COULD NOT ISSUE POST

Explanation: The Automatic Restore Control Block (ARCB) has either been overlaid or has been freed by an auto-restore screening exit. If no user-defined auto-restore screening exit has been installed, contact the SAMS:Disk Technical Support Center.

3169 **LACK OF ENQUEUE IN IDLE SPACE RELEASE CAN CAUSE LOSS OF DATA OR LACK OF EFFECTIVENESS.**
REMOVE DMS SYSPARM USERSENQ AND RERUN THIS TASK; ABEND 200

Explanation: To protect the integrity of data and of SAMS:Disk, the SAMS:Disk Idle Space Release function does not allow the use of the SAMS:Disk user exit USERSENQ. SAMS:Disk abends with user 200. Remove SAMS:Disk sysparm USERSENQ from this task (you may use sysparm overrides), and rerun the task.

3171 **DATA SET NAME CONTAINS EMBEDDED PARENTHESES; AUTO-RESTORE REJECTED FOR DSNAME (ddd)**

Explanation: An auto-restore has been invoked for a data set whose name appears invalid. The auto-restore is rejected. This error can occur if the data set name specified in JCL is enclosed in single quotes. Remove the single quotes from the JCL to allow an auto-restore to run, or restore the data set prior to job submission.

3173 **RACF MODELING IS INDICATED BUT IS NOT AVAILABLE. SEE RACFMODL SYSPARM**

Explanation: Restore processing is attempting to set the RACF profile status of the data set equivalent to the status at backup or archive time. Specifically, SAMS:Disk believes that the target data set should have a discrete RACF profile. Unfortunately, SAMS:Disk does not have a discrete profile to give it, probably because sysparm RACFBKUP has been specified to cause SAMS:Disk to not save discrete RACF profiles at backup or archive time.

Create a discrete profile that will be the model for SAMS:Disk to use in these situations. Then specify SAMS:Disk sysparms RACFMODL, RACFMDSN and RACFMVOL to point to this model profile, and rerun the task.

3175 **ONLINE REPORTING ABENDED WITH A USER (nn) ABEND 3175 ONLINE REPORTING ABENDED WITH A SYSTEM (oo) ABEND**

Explanation: An abend has occurred during SAMS:Disk online reporting. To determine the condition associated with user abends, examine previous messages, if any, and the Abend Codes section of this manual.

For system abends, examine previous messages, if any, and see the Hitachi manual Message Library: System Codes, and examine the ABEND section for the abend code (nnn).

3176 **DMS WAS RETURNED AN ERROR RETURN CODE FROM THE RACF RACHECK MACRO — ERROR CODE = (ccc), VOLUME = (vvv), ACCESS = (aaa), CLASS = DASDVOL**

Explanation: System RACF routines have returned an error return code from the RACF (RACHECK) macro. SAMS:Disk was attempting to determine if the user was authorized to process the volume (vvv). The error code with the value (ccc) was not expected.

See the documentation for the (RACHECK) macro to determine the cause of the error encountered. If it appears to be an internal SAMS:Disk error, contact the SAMS:Disk Technical Support Center for assistance.

3177 **NOT AUTHORIZED BY RACF FOR ACCESS = (aaa) FOR DASD VOLUME SERIAL = (vvv)**

Explanation: SAMS:Disk RACF support has issued the system RACHECK macro to ask RACF if the user is authorized to process the volume (vvv). The access level SAMS:Disk was requesting for the volume is (aaa). The RACF class is “DASDVOL”.

Depending on the type of function being performed, if access to the volume is denied by RACF, the data set itself may be checked by RACF. If processing cannot be done without the requested access to the volume, have the person authorized to process the volume run the SAMS:Disk job.

3178 **AN ALTERNATE TRACK HAS BEEN ASSIGNED FOR TRACK (cchh) ON VOLUME (vvv).**

Explanation: A permanent data check has occurred on the original track (cchh) on volume (vvv), and an alternate track has been assigned.

3179 ACTIVE WORKFILE CONTAINS (ddd) ON (vvv).

Explanation: This message will be issued when a user attempts to execute PDS Compress processing (other than the RELOAD command) on a Compress workfile that still contains data from a previous execution of PDS Compress that failed. (Note: If all commands are processed successfully, PDS Compress will delete the workfile automatically.)

If in conjunction with this message, a Copyback message is not issued, or a Compress Complete message is issued, you must delete the workfile before re-executing the Compress procedure.

If the previous execution failed between these two steps (the Copyback and Compress Complete steps), it will be necessary to reconcile the workfile with the current data set to make sure no members are missing or have been added before attempting a RELOAD.

3180 SYSPARMS DD SPECIFIED, BUT SYSPARMS MAY NOT BE OVERRIDDEN (SYSPARMO VALUE IS NOT 'Y')

Explanation: You have specified a SYSPARMS DD statement for the SAMS:Disk task, but SAMS:Disk can not honor the DD statement because sysparm SYSPARMO has been specified with a value of (n). The job is terminated.

If your installation still intends to prevent sysparms from being overridden in JCL, you should remove the SYSPARMS DD statement. If your installation intends to allow some or all users to override sysparms in JCL, your SAMS:Disk administrator should specify sysparm SYSPARMO with a value of Y or S.

3181 WARNING: (sss) DD STATEMENT IGNORED DUE TO INSUFFICIENT ACCESS TO (ddd)

Explanation: Your security package, via the System Authorization Facility (SAF) VOS3 router, has denied your use of data set (ddd), so SAMS:Disk has rejected your use of DD statement (sss). Your security package has probably issued other messages in the JSS log, or just prior to this message.

See your security administrator and/or your SAMS:Disk administrator about obtaining access to this resource, or remove the offending DD statement from your task. SAMS:Disk continues as if you had not specified the DD statement.

3182 **WARNING: YOU ARE RUNNING WITH DMS RELEASE (v.r.m) SOFTWARE AND A RELEASE (v.r.m) PARMLIB**

Explanation: SAMS:Disk has found that its software and the PARMLIB are from different releases. Unpredictable results may follow, often dealing with SAMS:Disk sysparms. SAMS:Disk continues processing. If problems develop, rerun the task with a correct PARMLIB for your level of software.

3183 **THIS TASK IS RUNNING NON-APF-AUTHORIZED**

Explanation: The text for this message may differ. Two possible messages you may see associated with this message are.

WARNING: THIS TASK IS RUNNING NON-APF-AUTHORIZED, UNPREDICTABLE RESULTS MAY FOLLOW

SAMS:Disk has discovered it is not executing under TSS, and is not executing from an APF-authorized library. Under TSS, SAMS:Disk uses DADSM allocation, RESERVE, ENQ, DEQ and other operations which VS operating systems regard as authorized tasks. Unpredictable results may follow. Even though SAMS:Disk continues to process, system abends will usually occur, as well as unknown return codes. If problems develop, APF-authorize the SAMS:Disk load library (and any other libraries in your STEPLIB DD statement), and rerun the task.

THIS TASK IS RUNNING NON-APF-AUTHORIZED, CORRECT AND RE-RUN THE JOB

The SAMS:Disk task currently executing requires a VOS3 authorized environment. The task was not running in this environment and a subsequent S047 abend will occur. Correct the operating environment and re-run the job. If problems persist, consult the Hitachi abend codes document under abend S047 for more information about how to correct this problem.

3184 **YOU ARE RUNNING WITH AN UNAUTHORIZED DMS PARMLIB (ddd)**
RERUN WITH AUTHORIZED PARMLIB (lll - list); ABEND 200

Explanation: Your SAMS:Disk administrator has restricted the use of the (ddd) SAMS:Disk PARMLIB or PARMLIBD DD statements. Your use of the first data set name specified has violated that restriction. SAMS:Disk terminates with a user 200 abend.

Redirect your PARMLIB or PARMLIBD DD statement to an authorized parmlib. The authorized parmlibs (or SAMS:Disk PARMLIB pattern names) are listed for your convenience. Or see your SAMS:Disk administrator to get your parmlib authorized.

3185 **NO VALID ENTRIES EXIST IN MEMBER (mmmmmmmm) IN (ddd); ABEND 200**

Explanation: Your SAMS:Disk administrator has restricted the use of the PARMLIB or PARMLIBD DD statements. SAMS:Disk cannot validate your use of the PARMLIB or PARMLIBD DD statements because the list of authorized PARMLIB data sets has no valid entries in it. SAMS:Disk terminates with a user 200 abend.

Have your SAMS:Disk administrator insert at least one valid entry in member (mmm) of the partitioned data set (ddd). Then rerun the task.

3186 **YOU ARE USING MORE THAN (nnn) ENTRIES IN MEMBER (mmm) OF (ddd)**
RERUN WITH FEWER THAN THIS NUMBER; ABEND 200

Explanation: Your SAMS:Disk administrator has restricted the use of the SAMS:Disk PARMLIB or PARMLIBD DD statements. Your installation's list of authorized parmlibs in member (mmm) of data set (ddd) exceeds the maximum number allowed by SAMS:Disk (30). SAMS:Disk terminates with a user 200 abend. Reduce the number of entries in the list and rerun the task.

3187 **COULD NOT (allocate/read) AUTHORIZED PARMLIB LIST DUE TO PREVIOUS ERROR; ABEND 200**

Explanation: SAMS:Disk PARMLIB security processing could not allocate or read the list of authorized SAMS:Disk PARMLIBs, and therefore cannot guarantee its own integrity. SAMS:Disk terminates with a user 200 abend. Correct the problem which caused the previous messages and rerun the task.

3188 **MEMBER (mmm) NOT FOUND IN (ddd); ABEND 200**

Explanation: Your SAMS:Disk administrator has restricted the use of the PARMLIB or PARMLIBD DD statements. SAMS:Disk cannot validate your use of the PARMLIB or PARMLIBD DD statements because the list of authorized PARMLIB data sets does not exist. SAMS:Disk terminates with a user 200 abend.

Have your SAMS:Disk administrator create an authorized parmlib list in member (mmm) of partitioned data set (ddd). Then rerun the task.

3189 **YOU ARE RUNNING WITH AN UNCATALOGED BUT OTHERWISE AUTHORIZED DMS PARMLIB (ddd); ABEND 200**

Explanation: Your SAMS:Disk administrator has restricted the use of the SAMS:Disk PARMLIB or PARMLIBD DD statements. Your use of a non-cataloged version of data set name (ddd) has violated that restriction. SAMS:Disk terminates with a user 200 abend.

Redirect your PARMLIB or PARMLIBD DD statement to the cataloged version of the authorized parmlib and rerun the task.

3191 **SECURITY DASDVOL CLASS IS INACTIVE; ALL VOLUME SECURITY CHECKING BYPASSED**

Explanation: This message applies only to RACF and Top Secret security processing when sysparm SECURVOL is specified with a value of Y. Since the DASDVOL class is inactive or not defined to RACF or Top Secret, a security check cannot be done on any volume. Processing is authorized for all volumes.

3192 **** WARNING ** TOP SECRET IS NOT ACTIVE; SETTING OF TOPSSUPP SYSPARM SAYS TO PROCESS WITH TOP SECRET SUPPORT; SETTING OF TOPSFORC SYSPARM SAYS TO abend/proceed**

Explanation: SAMS:Disk has used the RACSTAT macro to determine if Top Secret is active on the system. The return code from the macro indicates it is not active. Your installation has indicated with sysparm TOPSSUPP that SAMS:Disk should run with Top Secret active.

Your installation has also indicated with sysparm TOPSFORC what should be done in this situation. If it is specified with a value of N, SAMS:Disk will abend. If it is specified with a value of Y, SAMS:Disk will proceed, bypassing all Top Secret security checking.

3193 **INVALID CONTROL INTERVAL CONTROL INFORMATION DETECTED: DSN: (ddd) DUMP OF CONTROL INTERVAL CONTAINING ERROR FOLLOWS**

Explanation: While processing VSAM data set (ddd), SAMS:Disk encountered invalid information in the control interval. This message is followed by a dump of the data set control interval in error.

This problem may be caused by an actual error in the data set, or when a user has specified options which allow SAMS:Disk to read the data set at the same time it is being updated by another task. Correct the error and rerun the SAMS:Disk job.

3194 **DATA SET SPECIFIED IN RELOAD COMMAND CONTAINS MEMBERS. RELOAD CAN ONLY BE PERFORMED IF EMPTY.**

Explanation: This message will be issued when a user attempts to execute the PDS Compress RELOAD command and SAMS:Disk finds that the target PDS to be reloaded is not empty, but contains members. The PDS has been updated subsequent to the Compress failure. Direct the workfile to a new data set name and manually reconcile the members.

3195 **COMPRESS WORKFILE NOT FOUND ON VOL=(vvv), DSN=(ddd). DELETE CATALOG ENTRY AND RERUN COMPRESS.**

Explanation: This message is issued when PDS Compress RELOAD processing attempts to determine if the workfile contains data, but the workfile does not exist on the volume to which it is cataloged (vvv). Delete the workfile (ddd) from the catalog and resubmit the Compress job.

3198 **SYSPARMS DYN1UNIT, DYN2UNIT AND DYN3UNIT CANNOT POINT TO DISK DEVICES.**

Explanation: This message is issued if an esoteric or unit name that corresponds to a disk device is assigned to any of these sysparms. A user 200 abend follows. If this happens, change the sysparm to point to a tape- or cartridge-type device.

3199 **RETPD AND EXPDT ARE MUTUALLY EXCLUSIVE. SPECIFY ONE AND RESUBMIT.**

Explanation: Retention period and expiration date have been specified on the command. Only one can be used. Take corrective action and resubmit the job.

3203 **CREATING NEW SECURITY ENVIRONMENT FOR USERID (uuu)**
or
CREATING NEW SECURITY ENVIRONMENT FOR USERID (uuu) AND GROUP (ggg)

Explanation: The sysparm ARSECURE is specified with a value of R or Y (the default is N). This has caused SAMS:Disk to create an ACEE (Accessor Environment Element) control block and the associated pointers to it for user ID (uuu) and optional group name (ggg). This was done by using the RACROUTE macro specified with REQUEST=VERIFY and ENVIR=CREATE. A corresponding message from your security package appears in the JSS log for the task. This message is informational only.

3204 **INPUT ACCESS AUTHORIZED FOR DSN = (ddd)**

Explanation: Sysparm ARSECURE has been specified with a value of R, which causes SAMS:Disk to check for READ authority for data set (ddd) while under the temporary security environment of the originating task. The request was approved and the task will proceed. This message is informational only.

3205 **Sx37-(nn) ABEND ON //COMPWORK DD PROCESSING DSN=(ddd) ON VOL=(vvv); (aaa) TRACKS ARE REQUIRED FOR COMPRESS WORKFILE; (bbb) TRACKS ARE ALLOCATED.**

Explanation: This message was issued because SAMS:Disk ran out of workfile space while processing data set (ddd) on volume (vvv) during PDS Compress processing. All allocated tracks (bbb) on the compress workfile were exhausted before completing the copy-out phase, which would have required (aaa) tracks. Processing for the data set terminates without compressing it. PDS Compress continues processing other data sets.

To process the data set, allocate a larger compress workfile. See the Installation Guide.

3208 **COPY OF DMSPARMS FROM A PREVIOUS RELEASE HAS BEEN LOADED.**
PROCESSING TERMINATED.

Explanation: A copy of the DMSPARMS load module, created prior to Release 8.0, has been loaded for SAMS:Disk processing. Replace the module with a copy from the proper SAMS:Disk library and rerun the job. This error message may be accompanied by either message 3206 or 3207.

3228 **(ddd) IN VTOC, NOT FOUND IN DMS ARCHIVES**

Explanation: SAMS:Disk found the data set name (ddd) in its version of the VTOC, but could not recover the data set because it was not in the SAMS:Disk archives. This is an informational message because only the data set name is available for selection.

3230 **INVALID DATA SET NAME (ddd)**

Explanation: Data sets created with the VBACKUP facility are not supported in the SAMS:Disk archive EXTRACT utility. These volume-level backup data sets can be identified by their SAMS:Disk-generated name pattern of DMSOS.V/.

3232 **NOT AUTHORIZED BY RACF FOR ACCESS = (aaa) FOR DASD VOLUME SERIAL NUMBER = (vvv)**

Explanation: Processing controlled by the SAMS:Disk sysparm SECURVOL has determined that RACF profiles in the DASDVOL class do not grant you (aaa) level of access to volume (vvv). SAMS:Disk will continue with a check of profiles in the DATASET class.

If no more messages follow, DATASET-class checking has approved the access and SAMS:Disk will proceed normally. If messages regarding the DATASET class follow, SAMS:Disk will bypass processing of the resource.

3233 **DATA SET NAME PREFIX = (ddd) FOR SEQUENTIAL MIGRATE TAPE FIRST FILE EXCEEDS MAXIMUM OF 22 CHARACTERS**

Explanation: The first data set on the sequential migrate tape is created by SAMS:Disk. The data set name consists of a data set name prefix (ddd) taken from the MIGRATE DD statement in the sequential migrate JCL, and a date and time stamp appended by SAMS:Disk.

During sequential migrate processing, SAMS:Disk encountered a data set name prefix that is longer than the maximum length of 22 characters, which does not allow enough space for the date and time stamp appendage.

Change the data set name prefix specified in the MIGRATE DD statement to a prefix that is 22 characters or fewer, and resubmit the job.

3234 **UNABLE TO CATALOG DATA SET CREATED BY DMS AS FIRST SEQUENTIAL MIGRATE FILE. SEE FOLLOWING MESSAGES FOR REASON**

Explanation: This message is issued only if you have specified the DMYCATLG parameter of the MODESET command and SAMS:Disk is not able to catalog the SAMS:Disk-created first data set on a sequential migrate tape. Subsequent messages explain why the catalog request failed. This message is informational only, and processing continues with the data set left uncataloged.

3235 **EXPDT VALUE IS INVALID**

Explanation: The expiration date specified in the command is not a valid date. The command will be bypassed. Correct the value and resubmit the job.

3236 **VOLUME-LEVEL RECOVERY COMPLETED FOR VOLUME (vvv)**

Explanation: The volume-level recovery of volume (vvv) has completed successfully. If the UPDATE parameter was specified on the VRECOVER command, data set-level recovery will begin.

3237 **VOLUME-LEVEL RECOVERY FAILED FOR VOLUME (vvv)**

Explanation: The volume-level recovery of volume (vvv) has failed. If the UPDATE parameter was specified on the VRECOVER command, data set-level recovery will not take place.

3238 **ARCHIVED VOLUME (aaa), A (bbb) DEVICE, IS INCOMPATIBLE WITH RESTORE VOLUME (ccc), A (ddd) DEVICE.**

Explanation: The volume archived (aaa) was a (bbb) device. It has different attributes than volume (ccc), a (ddd) device. For volume-level recover, the source and destination device type must be the same; for example, you may recover a 8595 device to a 8595 device, but not a 8595 device to a 8598 device.

3239 **MORE CYLINDERS EXIST ON ARCHIVED VOLUME (vvv) THAN ON TARGET RESTORE VOLUME (ttt)**

Explanation: During a volume-level recovery process, SAMS:Disk has determined that the archived volume (vvv) has more cylinders than the target volume (ttt). Both volumes are the same device type but volume (vvv) has a higher density than volume (ttt). You can only recover to a volume with equal or higher density. Resubmit the VRECOVER request, specifying a target volume with the same or higher density.

3240 **ABSTRKS RANGE (cccchhhh-cccchhhh) IS IMPROPERLY SPECIFIED**

Explanation: During a volume-level recover, SAMS:Disk has determined that the ABSTRKS= parameter is specified incorrectly. Either the beginning to ending range is not ascending, the head portion of the range (hhhh) is not valid for the device, or the cylinder portion (cccc) is greater than the maximum for the device. Correct the parameter and resubmit the job.

3242 **(aaa) AND (bbb) PARAMETERS ARE MUTUALLY EXCLUSIVE**

Explanation: When parameter (aaa) and parameter (bbb) are both specified on the same command, the command cannot be interpreted correctly. Specify either of these parameters on the command, but not both.

3243 **WHEN PARAMETER (aaa) CONTAINS A LIST, PARAMETER (bbb) IS AMBIGUOUS.**

Explanation: Because parameter (bbb) is applicable only to a single entry of parameter (aaa), when a list or multiple entries are specified for parameter (aaa), parameter (bbb) cannot be interpreted accurately. Correct the parameter specification and resubmit the request.

3244 **ABSTRKS PARAMETER SPECIFIED CYLINDER ADDRESS GREATER THAN ARCHIVED VOLUME MAXIMUM OF (ccc) CYLINDERS**

Explanation: During a volume-level recover, SAMS:Disk has determined that the ABSTRKS= parameter was specified incorrectly. A range was specified that was over the maximum for the volume that was archived. The highest cylinder on the archived volume is (ccc). Correct the parameter and resubmit the job.

3246 **VARY OFFLINE FAILED FOR UNIT (uuu) and VOLUME (vvv)**

Explanation: As part of the volume-level recover processing, SAMS:Disk has attempted to vary the volume (vvv) with unit address (uuu) offline, as part of the volume clip operation. After a 30-second wait, the volume is still online. The volume clip has failed. You may try to vary the volume offline manually, then vary it back online and mount it manually.

3247 VARY ONLINE FAILED FOR UNIT (uuu) AND VOLUME (vvv)

Explanation: As part of the volume-level recover processing, SAMS:Disk has attempted to vary the volume (vvv) with unit address (uuu) online, as part of the volume clip operation. After a 30-second wait, the volume is still offline. The volume clip has failed. You may try to vary the volume online and mount it manually.

3248 MOUNT FAILED FOR UNIT (uuu) AND VOLUME (vvv)

Explanation: As part of the volume-level recover processing, SAMS:Disk has requested a mount for volume (vvv) with unit address (uuu), as part of the volume clip operation. After a 30-second wait, the volume is still not mounted. The volume clip has failed. You may try mounting the volume manually.

3249 VOLUME ID (vvv) ALREADY EXISTS ON ANOTHER UNIT (uuu)

Explanation: During volume-level recover processing, SAMS:Disk has determined that another unit with the device address of (uuu) has the same volume ID as the one specified in the IDVOL= parameter (vvv) for the target volume. Specify for the IDVOL= parameter a volume ID that doesn't already exist on this system and resubmit the request.

3250 (nnn) DATA SETS ARE IN USE ON VOLUME - (vvv), RECOVER CONTINUED WITH LOSS OF INTEGRITY

Explanation: The DSNENQ parameter was specified as either EXC or SHR on a VRECOVER command. SAMS:Disk has found that (nnn) data sets were in use on volume (vvv). The volume- level recover is continued on volume (vvv), but with loss of integrity.

3251 ENQ NOT PERFORMED ON DATA SET (ddd)

Explanation: During VBACKUP processing, SAMS:Disk has determined that the DSNENQ parameter is specified as NONE, which could cause loss of integrity on data set (ddd). This message is informational only, and can be suppressed by specifying sysparm ENQMSGES with a value of N.

3252 CANNOT FIND VVR FOR (ddd)

Explanation: During VBACKUP processing SAMS:Disk could not locate the VSAM Volume Record (VVR) for data set (ddd). This data set is considered disconnected from the VVDS and will be processed as a non-VSAM data set.

3253 CANNOT FIND VVDS ON VOLSER (vvv)

Explanation: During VBACKUP processing, SAMS:Disk has determined that the VVDS on volume (vvv) does not match the VVDS being requested. Any VSAM data sets on this volume will be processed as non-VSAM.

If this volume has been recovered previously from a different volume using the VRECOVER command, you will need to rename the VVDS.

3254 INVALID RETURN CODE FROM VVDS READER

Explanation: The return code from the VVDS reader is invalid. Please notify the SAMS:Disk Technical Support Center if this condition should occur.

3256 DATA SET WITH NO EXTENTS NOT BACKED UP: (ddd)

Explanation: SAMS:Disk has encountered data set (ddd) with zero extents. This type of data set is usually a model DSCB or a GDG base. Only the data set's VTOC entry is backed up.

3257 TRACK OVERFLOW DATA SETS NOT BACKED UP: (ddd)

Explanation: SAMS:Disk volume-level backup processing has encountered track overflow data set (ddd). This type of data set is not supported in VBACKUP processing. The data set is bypassed and processing continues.

For more information about backing up track overflow data sets, see the Restrictions subsection in the VBACKUP/VRECOVER section of the User's Guide.

3258 DUPLICATE VVR FOR (ddd)

Explanation: SAMS:Disk has encountered duplicate VVRs for VSAM data set (ddd). The data set will be processed as a non-VSAM data set.

3259 (nnn) DATA SETS ARE IN USE ON VOLUME (vvv), RECOVER CANCELED

Explanation: The DSNENQ parameter was specified as either EXC or SHR on a VRECOVER command. SAMS:Disk has found that (nnn) data sets were in use on volume (vvv). The volume- level recover is terminated for volume (vvv).

3260 **(jjj) IS WAITING FOR (nnn) DATA SETS REPLY: LIST, RETRY, CONTINUE OR CANCEL**

Explanation: The GOAHEAD parameter was specified as OPERATOR on a VRECOVER command. SAMS:Disk has found that (nnn) data sets needed for job (jjj) were in use. This message is issued on the operator's console, giving the operator four possible responses:

REPLY	Meaning
LIST	will produce a list of the (nnn) data sets for which enqueues could not be obtained
RETRY	will cause SAMS:Disk to try again to obtain enqueues on the (nnn) data sets
CONTINUE	will cause SAMS:Disk to continue processing without the integrity protection provided by the enqueues
CANCEL	will cause SAMS:Disk to terminate volume-level recover processing

3261 **(jjj) DATA SET IN USE, DSNAME - (ddd)**

Explanation: If the operator responds "LIST" to message 3260, this message is issued displaying the name of each data set (ddd) which cannot be enqueued by job (jjj).

3262 **DATA SET BYPASSED NO VTOC ENTRY ON VOL=(vvv) FOR DSN=(ddd)**

Explanation: DSCL processing selected a data set that was cataloged but did not physically exist on the volume. This data set was cataloged to the volume specified in (vvv) but there was no format-1 DSCB on the volume for the (ddd) specified. This message is only issued if sysparm DSCLMSGS is set to a value of Y. If you do not want this message issued, set sysparm DSCLMSGS to a value of N.

3264 **(report) REPORT NOT GENERATED FOR one or more (objects)**

Explanation: This message is merely to inform you that the CIA or CLDATA report apply only to VSAM clusters. Therefore the report specified was not generated for either VSAM components or non-VSAM data sets.

This message can be suppressed by specifying EXCLUDE CRITERIA=(DSORG,NE,VSAM) before the report command, or by not specifying the COMPONENTS parameter on the REPORT command.

3265 **COMMAND REJECTED - THE VTOCS PARAMETER MAY NOT BE USED WITH THE CRITERIA=, DSNAMES=, TABLE= OR CATALOGS= PARAMETERS**

Explanation: Because the constructs SELECT VTOCS and EXCLUDE VTOCS are so narrow already, it not necessary to further restrict selection based on other criteria. So, the CRITERIA=, DSNAMES=, TABLE= and CATALOGS= parameters are not allowed with SELECT VTOCS or EXCLUDE VTOCS. Remove the CRITERIA=, DSNAMES=, TABLE= and CATALOGS= parameters from the SELECT VTOCS or EXCLUDE VTOCS commands, and rerun the task.

You may use the VOLUMES= parameter with the VTOCS parameter. For example, to backup the VTOCS on your TSS volumes, run:

```
//jobname JOB (acct,info),etc.
// EXEC DMS
//SYSIN DD *
  SCAN REALVOLS
      SELECT VTOCS,VOL=TSS/
           BACKUP
```

3266 **COMMAND REJECTED - THE CATALOGS= PARAMETER MAY NOT BE USED WITH THE CRITERIA=, DSNAMES=, TABLE= OR VTOCS PARAMETERS**

Explanation: Because the constructs SELECT CATALOGS= and EXCLUDE CATALOGS= are so narrow already, it is not necessary to further restrict selection based on other criteria. So, the CRITERIA=, DSNAMES=, TABLE= and VTOCS parameters are not allowed with SELECT CATALOGS= or EXCLUDE CATALOGS=.

Remove the CRITERIA=, DSNAMES=, TABLE= and VTOCS parameters from the SELECT CATALOGS= or EXCLUDE CATALOGS= commands, and rerun the task.

You may use the VOLUMES= parameter with the CATALOGS= parameter. For example, to backup the CATALOGS= on your TSS volumes, run:

```
//jobname JOB (acct,info),etc.
// EXEC DMS
//SYSIN DD *
  SCAN REALVOLS
    SELECT CATALOGS=,VOL=TSS/
      BACKUP
```

3268 **ddd WAS NOT PROCESSED DUE TO PREVIOUS ERROR.**

Explanation: The data set (ddd) was not processed because of an error SAMS:Disk encountered, described in a preceding message. The data set is bypassed.

3273 **DATA SET BYPASSED, CATALOG SECURITY VERIFICATION FAILED ON DSN=(ddd) CATALOG MANAGEMENT RETURN CODE=(rrr) AND REASON CODE=(ccc)**

Explanation: While doing a catalog scan non-APF-authorized, Catalog Management (SVC 26) did not return any information for the data set specified in the message. This was due to your security environment.

SAMS:Disk has bypassed the data set. For more details, look up the return and reason code under message JSC0009I-S in your Hitachi Message Library: System Messages manual. Also, examine the JSS log for any other messages that may have been issued. Or see your security administrator.

3274 **DUE TO LACK OF APF-AUTHORIZATION, RUNNING REPORT COMMAND AS IF THE COMPONENTS PARAMETER HAD BEEN SPECIFIED**

Explanation: While doing a DSCL REPORT command under SCAN REALVOLS, SAMS:Disk noticed that it was not running APF-authorized. Because the SAMS:Disk code for determining the cluster name from a VSAM component requires APF-authorization (it would abend if it attempted to run), SAMS:Disk is choosing the next best thing: report on VSAM components instead of VSAM clusters. SAMS:Disk continues to report on non-VSAM data sets as normal.

You do not need to take any action. If you really wish to have SAMS:Disk report on VSAM clusters instead of components, either APF-authorize the SAMS:Disk load library or change the SCAN REALVOLS command to SCAN CATALOGS= or FIND DSNAMES=.

3275 **DSNAME=(ddd) SELECTED FOR DELETION**

Explanation: The files data set log data set (ddd) was deleted during backup of the files data set. This message is informational, no user action is required.

3276 **TOTAL LOG DATA SETS DELETED=(nnn)**

Explanation: SAMS:Disk has deleted (nnn) log data sets during backup of the files data set. This message is informational, no user action is required.

3277 **AT LEAST ONE SELECT COMMAND MUST FOLLOW EACH SCAN COMMAND, ENTER A SELECT COMMAND AFTER SCAN COMMAND (CMDnnnn)**

Explanation: You must specify a SELECT command after every SCAN command in order to limit the entities that will be processed. This requirement can be made optional by specifying sysparm DSNSELRE with a value of N.

You probably have a command structure that looks something like:

```
SCAN something
action command
```

If you want all data sets to be processed, specify:

```
SCAN something
SELECT VOLUMES=/,DSNAMES=/
action command
```

If you want all data sets, VTOCs, VTOC indexes, catalogs and VVDSs to be processed, specify:

```
SCAN something
SELECT VOLUMES=/,DSNAMES=/
SELECT VOLUMES=/,VTOCS
SELECT VOLUMES=/,CATALOGS=/
action command
```

3278 **SELECT COMMANDS MUST SPECIFY A DSNAME LIST, THE VTOCS PARAMETER OR THE CATALOGS PARAMETER**
ENTER THE DSNAMES=, F1DSNAMES=, VTOCS OR CATALOGS= PARAMETER ON SELECT COMMAND (CMDnnnn)

Explanation: You must specify a data set name list, or the VTOCS or CATALOGS= parameter on the SELECT command to limit the entities that will be processed. This requirement can be made optional by specifying sysparm DSNSELRE with a value of N.

If you want all data sets to be processed, specify SELECT DSN=/.

If you want all data sets, VTOCs, VTOC indexes, catalogs and VVDSs to be processed, specify

```
SELECT DSN=/
SELECT VTOCS
SELECT CATALOGS=/
```

3279 **SCAN/FIND COMPLETE, PREPARING SORTED REPORT**

Explanation: There are three steps within the DMS proc: a scan or find step, an optional sort step, and an optional print of the sorted reports step. This message informs you that the first scan/find step has completed, and that SAMS:Disk is sorting or preparing the sorted report. You do not need to take any action.

3280 **THE DMS USER CONDITION CODE OPTION IS IN EFFECT.**

Explanation: The step completion condition code may be different from that generated by SAMS:Disk because of a user override. If the member CCSET exists in PARMLIB, you will receive this message.

3281 **OUTPUT DEVICE MUST BE TAPE OR CART**

Explanation: When using the Archive Tape Recovery Utility, the output file must be on tape or cartridge. Change your SYSUT2 DD statement to allocate a tape or cartridge device and rerun the job.

3282 **EQUIPMENT CHECK OR REFLECTOR STRIP ENCOUNTERED;**
PROCESSING HALTED

Explanation: When using the Archive Tape Recovery Utility, a reflector strip was encountered or a hardware equipment check has occurred on the input tape unit. Processing is halted. If a hardware failure has occurred, rerun the job using a different unit for the input tape.

3283 **TAPE MARK DETECTED AFTER (nn) BLOCKS READ**

Explanation: When using the Archive Tape Recovery Utility, a tape mark was encountered. If a data set is being transferred to the output tape, the utility checks to see if the data set is complete. If so, the data set is kept on the output tape. If not, message 3284 is issued and the data set is bypassed.

If this is the second tape mark in a row (that is, end of volume), processing will halt if the parameter EOFSTOP was specified.

3284 **various messages**

Explanation: All messages issued with this message number relate to errors detected during the verification of PARMLIB member CCSET entries for the User Condition Code Option. Any messages issued with this message number will result in abend 200.

3285 **TOTAL OF (nnn) BLOCKS READ AND TRANSFERRED FOR (ddd)**

Explanation: When using the Archive Tape Recovery Utility, (nnn) blocks have been successfully read and transferred to the output tape for data set (ddd).

3286 **I/O ERROR, ECB=(nnn)**
IOB=(nnn)
BYTECNT=(nnn)
UNIT STATUS=(nnn)
CHNL STATUS=(nnn)

Explanation: When using the Archive Tape Recovery Utility, an I/O error has occurred. Information listed may help determine the cause of the error. Processing will continue.

3287 **RESUBMIT RESTORE JOB, ONCE WITH NOAIXDEF PARM SUPPLIED TO RESTORE CLUSTER AND ONCE WITH AIXNAME PARM SUPPLIED TO REBUILD THE ALTERNATE INDEX**

Explanation: One or more of the requested allocated volumes are not online and an alternate index has been defined.

To be able to restore the cluster and rebuild the alternate index, the restore job must be resubmitted twice. The first time, the NOAIXDEF parm must be entered on the Restore command to redefine the cluster. The second time the AIXNAME= parm must be entered on the Restore command to rebuild the alternate index.

3288 **INVALID (ccc) DATE = (ddd)**

Explanation: The date entered for the BDATE or EDATE parameter of the FRECOVER command was invalid. (ccc) stands for BEGIN or END; (ddd) is the invalid date entered on the command. The date must be in an acceptable SAMS:Disk format.

3289 **INVALID (ccc) TIME = (ttt)**

Explanation: The time entered for the BTIME or ETIME parameters of the FRECOVER command was invalid. (ccc) stands for BEGIN or END; (ttt) is the invalid time entered on the command. The time must be in hhmmss format.

3291 **NO AUDIT LOGS DATA SETS SELECTED TO UPDATE THE FILES DATA SET**

Explanation: The files data set recovery utility did not recover the files data set because no audit log data sets were selected. This could be because of the following:

- The audit log data sets whose high-level qualifier matched the high-level qualifier in the sysparm FILOGNAM did not fall within the time and dates specified in the FRECOVER command.
- SAMS:Disk was unable to access audit log data sets due to I/O errors.

3292 **TOO MANY AUDIT LOG DSNAMES WERE FOUND TO MATCH DMS AUDIT LOG DSNAMES HIGH-LEVEL NODE OF (aaa), AS DEFINED IN SYSPARM FILOGNAM, IN CATALOG = (ccc). INCREASE THE VALUE OF SYSPARM CATLOCWA AND RERUN THE JOB**

Explanation: There was not enough room in the catalog work area for the audit log data set names with the high-level qualifier from the sysparm FILOGNAM (aaa) in catalog (ccc). Increase the size of the catalog work area for SAMS:Disk with the sysparm CATLOCWA, and rerun the files data set recovery utility.

3293 **NO CATALOG ENTRIES WERE FOUND TO MATCH DMS AUDIT LOG DSNAMES HIGH-LEVEL NODE OF (aaa), AS DEFINED IN SYSPARM FILOGNAM**

Explanation: The files data set recovery utility was unable to find any cataloged audit log data sets to use to update the files data set. The high-level qualifier defined in sysparm FILOGNAM (aaa) was used for the catalog search.

3294 **FILES DATA SET = (fff), NOT UPDATED WITH AUDIT LOG RECORDS FROM BYPASSED AUDIT LOG DATA SET = (aaa) REASON = (rrr)**

Explanation: An error occurred while attempting to access the audit log data set (aaa) to be used to recover the files data set (fff). The audit log data set (aaa) in error was bypassed. The files data set recovery utility continued attempting to process any further audit log data sets. The reason the audit log data set was bypassed is explained in (rrr).

3295 **I/O ERROR READING AUDIT LOG DSN = (aaa), RERUN JOB PREVENTING SELECTION OF THIS DATA SET, USER ABEND ISSUED**

Explanation: An I/O error occurred reading an audit log data set (aaa) that had been selected to recover the files data set. As long as an I/O error occurs reading this data set, the files data set recovery utility will not be allowed to complete. One way to prevent selection of the data set in error would be to adjust the time and date parameters on the FRECOVER command.

3296 **SORT OF AUDIT LOG RECORDS FAILED, SORT RETURN CODE = (ccc)**

Explanation: When attempting to sort the audit log records extracted from the audit log data sets, a non-zero return code (ccc) was returned from SORT.

3297 **UNABLE TO ALLOCATE FILES DATA SET = (fff), FILES DATA SET NOT UPDATED**

Explanation: Allocation of the files data set (fff) to be recovered failed. No updates were made to the files data set.

3298 **I/O ERROR READING SORTOUT DATA SET CONTAINING AUDIT LOG RECORDS USED TO UPDATE FILES DATA SET, USER 100 ABEND ISSUED**

Explanation: An I/O error occurred when attempting to read the SORTOUT data set. The files data set was not recovered.

3299 **FILES DATA SET NOT UPDATED WITH THIS AUDIT LOG RECORD**

Explanation: This message was preceded by SAMS:Disk message number 0052 saying that the subfile was not present in the files data set. All updates for this subfile will be bypassed.

3300 **FILES DATA SET SUBFILE = (sss)**
NOT UPDATED WITH FILES FUNCTION = (fff)
FIRST 45 BYTES OF SUBFILE RECORD = (aaa)
REASON = (rrr)

Explanation: The files data set recovery utility bypassed updating the subfile (sss) with the files function (fff). The actual subfile record bypassed is (aaa). The files function to be performed was (fff). Explanation of the files functions can be found in the Files Processing section of the Systems Guide. The reason for bypassing the update is explained in (rrr).

3301 **INVALID UNIT SPECIFIED ON COMMAND**

Explanation: The unit parameter on the REBUILD command does not reflect a valid unit as specified with the sysparms DYN1UNIT, DYN2UNIT or DYN3UNIT.

3304 **RECORD SIZE LARGER THAN TARGET VOLUME TRACK CAPACITY**

Explanation: Move/Copy could not relocate a data set because the track capacity of the target volume was smaller than the LRECL of the data set to be moved/ copied. Select a target volume with a track capacity which is larger than the data set to be moved/copied and rerun the job.

3305 **EMBEDDED TAPE MARK ENCOUNTERED**

Explanation: When using the Archive Tape Recovery Utility, a tape mark has been encountered and the utility was unable to determine if a complete data set was transferred. The current data set is bypassed and processing continues.

3306 **WARNING! CRITICAL ERROR ON INPUT TAPE; FORWARD SPACE ATTEMPTED**

Explanation: When using the Archive Tape Recovery Utility, an I/O error occurred from which the utility cannot recover. The utility will attempt to forward space past the error on the tape. An additional message will indicate if the forward space was successful. If so, processing will continue.

3307 ERROR LIMIT EXCEEDED

Explanation: When using the Archive Tape Recovery Utility, the number of input errors has exceeded the maximum number as determined by the ERRLIMIT parameter. Processing is terminated.

3308 COULD NOT OPEN INPUT TAPE, JOB TERMINATED

Explanation: When using the Archive Tape Recovery Utility, the input tape could not be opened for input. Correct the reason for the error and rerun the job.

3309 (nnn) DATA RECORDS SKIPPED BEFORE PROCESSING NEXT DATA SET

Explanation: When using the Archive Tape Recovery Utility, (nnn) data blocks had to be skipped before a valid data block was encountered. These data blocks will not be recovered by this utility.

3310 CONTROL RECORD FOUND FOR (ddd)

Explanation: When using the Archive Tape Recovery Utility, a valid control record has been encountered for data set (ddd). The utility will attempt to transfer all data blocks for this data set to the output tape.

3311 COULD NOT OPEN OUTPUT DATA SET

Explanation: When using the Archive Tape Recovery Utility, the output tape could not be opened for output. Correct the reason for the open error and rerun the job.

3312 I/O ERROR WHILE PROCESSING DSN=(ddd) DATA SET BYPASSED

Explanation: When using the Archive Tape Recovery Utility, an I/O error occurred while transferring data blocks to the output tape for data set (ddd). The data set will be bypassed. Any data block successfully transferred to the output tape will be removed. Only complete and error-free data set data blocks will be kept on the output tape.

3313 **CANNOT POSITION INPUT TAPE**

Explanation: When using the Archive Tape Recovery Utility, an attempt to reposition the input tape to the beginning of a data set has failed. Processing is halted. Any output tapes created during this job run may still be good. Use the Archive Tape Analysis Utility to determine if the tapes should be kept.

3314 **SWITCHING OUTPUT VOLUMES**

Explanation: When using the Archive Tape Recovery Utility, a new output tape is required. The current output tape is closed and a new output tape is mounted and opened. If additional volume serial numbers are included in the output tape allocation JCL, these volsers will be used. If not, a request for a scratch will be made.

3315 **(nnn) DATA SETS WERE RECOVERED**

Explanation: When using the Archive Tape Recovery Utility, (nnn) data sets have been successfully transferred to the output tape that has just been dismounted. This message will be issued for each output tape created.

3316 **DATA SET BYPASSED, VOLUME=(vvv) IS NOT ONLINE OR IN MASS STORE FOR DSN = (ddd)**

Explanation: Data set (ddd) is cataloged to volume (vvv), which is neither real, online, nor in mass store. DSCL processing was bypassed for this data set.

3318 **INVALID VALUE = (aaa) FOR SYSPARM SECURDRS, DEFAULT VALUE OF OUTPUT USED**

Explanation: The value entered for the sysparm SECURDRS to set the level of security checked for a deferred RESTORE was invalid. The value must be OUTPUT, SCRATCH or ALLOC.

3320 **RESTORE TERMINATED DUE TO UNLIKE DSORGS.**

Explanation: When restoring to preallocated data sets, the restore is terminated whenever identical data set names with unlike organizations are encountered.

3321 **UNABLE TO UPDATE RESTORE TIME, DATE AND COUNT IN DSNINDEX RECORD, DSN = ddd**

Explanation: During a SAMS:Disk restore of data set (ddd), SAMS:Disk was unable to update the DSNINDEX record in the files data set. The fields that were not updated were: the number of times the data set has been restored, the restore time and the restore date.

3323 **EOF RECORD CONSTRUCTED BY DMS NOT COMPLETE, UNABLE TO OBTAIN DSNINDEX INFORMATION**

Explanation: Since there was no END OF FILE (E type record), for the data set, the archive fix utility constructed one. The EOF record contains the last 160 bytes of the DSNINDEX record. SAMS:Disk was unable to get the

DSNINDEX record from the files data set, to use for updating the EOF record. This can cause problems for a SAMS:Disk REBUILD, since information needed to REBUILD a DSNINDEX record is taken from the EOF record.

3324 **DATA SET ALLOCATION REQUEST FAILED - DATA SET (ddd) IS NOT ELIGIBLE FOR ALLOCATION ON AN SMS-MANAGED VOLUME.**

Explanation: This message is generated by translating the return codes from SVC 99 using the Hitachi routine IEFDB476. A variety of different messages may be produced depending on the allocation error.

A dynamic allocation error, particularly an error involving DFSMS, when running SAMS:Disk on a DFP 3.1 or above system will produce this message.

Any corrective action is message dependent.

3326 **THIS MULTI-VOLUME NON-VSAM DATA SET, DSN=(ddd) WAS BACKED UP FROM VOLUMES (vvv)**

Explanation: A restore of a multi-volume data set triggers this informational message. It lists the first 120 volumes (vvv) where the data set (ddd) formerly resided. No action is required.

3327 **AN SMS DATA SET WAS ENCOUNTERED AND SMS WAS NOT ACTIVE. PROCESSING TERMINATED. USER 200.**

Explanation: SAMS:Disk processing encountered an SMS-managed data set when SMS was not active on the system, and sysparms SMSCPROC and SMSFORCE were specified in a way that causes processing to terminate.

The sysparm SMSCPROC was specified with a value of Y, which tells SAMS:Disk to process SMS data sets. However, the SMSFORCE sysparm was specified with a value of N, which tells SAMS:Disk to terminate processing when an SMS data set is encountered and SMS is not active on the system.

To allow your SAMS:Disk job to process, make SMS active on your system or adjust the sysparm values of SMSCPROC and SMSFORCE. See the Sysparms section of the System Guide for the values and meanings for these sysparms.

3328 **INVALID OPERATOR SPECIFIED ('oo,') IN CRITERIA PARAMETER. THE VALID LOGICAL OPERATORS ARE: EQ OR NE FOR CHARACTER LITERALS.**

Explanation: SAMS:Disk processing encountered an invalid logical operator (oo) during DSCL SELECT or EXCLUDE CRITERIA parameter parsing.

Specify a valid logical operator, EQ or NE, enclose it with the delimiters < > and run the job again.

3329 **MULTI-VOLUME DSN = ddd ON VOLUME = vvv NOT MIGRATED, REASON = rrr**

Explanation: The sequential data set (ddd) residing on multiple DASD volumes (vvv) was selected for sequential migration to tape. When an attempt was made to actually migrate the data set, an error was encountered (rrr). This error prevented the migration.

3330 **IDCxxxxx (message text issued by IDCAMS)**

Explanation: The message text is issued by JSCVSUT, which SAMS:Disk has intercepted and routed to its message output report. Refer to the appropriate Hitachi message manual for the description and problem resolution of the JSCxxxxx message.

3337 **DEFAULT MANAGEMENT CLASS NAME OF (nnn) RETURNED BY SYSTEM IS NOT VALID. PROCESSING TERMINATED.**

Explanation: SAMS:Disk was unable to retrieve management class processing information for the management class name (nnn) because the default SMS management class routine name given to SAMS:Disk by the SMS system was not valid. SAMS:Disk terminated processing with a user 200 abend. Check with your SMS administrator to confirm the SMS default management class name is properly defined to your system.

3340 **SMS MANAGEMENT CLASS OF (nnn) NOT DEFINED TO SMS.**

Explanation: The SMS management class name (nnn) associated with an archive data set was no longer defined to the SMS system at the time of processing. See your SMS administrator to determine why the management class name was not found.

See subsequent or other related error messages to determine how SAMS:Disk processing continued as a result of this situation.

3342 **(sss) CLASS NAME (ccc) WAS SPECIFIED IN A NON-SMS ENVIRONMENT - IT WAS IGNORED**

Explanation: A data, management, or storage class (sss) of (ccc) was specified in a non-SMS environment during dynamic allocation for SAMS:Disk. Since the allocation was to be done in a non-SMS environment, those class names were ignored for the dynamic allocation. This is an informational message, and is only issued the first time this condition is encountered.

3343 **SUPPLIED DEFAULT MANAGEMENT CLASS OF (nnn) IS NOT DEFINED. PROCESSING TERMINATED.**

Explanation: The management class name (nnn) supplied for the IXMAINT command parameter MGMTCLAS= was not defined to your SMS subsystem. SAMS:Disk terminated processing with a user 200 abend.

Supply a default management class name that is defined to your SMS subsystem and run the job again.

3360 **VBACKUP OF VOLUME (vvv) BYPASSED—THE AUTO-VBACKUP ATTRIBUTE IS OFF FOR SMS STORAGE GROUP (ggg)**

Explanation: DSCL commands called for a VBACKUP of volume (vvv). SAMS:Disk bypassed the request to VBACKUP the SMS-controlled volume (vvv). The volume was bypassed because the storage group (ggg) AUTO-VBACKUP (AUTO DUMP) attribute is specified as OFF. SAMS:Disk has honored this attribute and did not perform the VBACKUP (dump) of the volume.

To cause SAMS:Disk to VBACKUP the volume, change the storage group (ggg) AUTO DUMP attribute to ON.

3361 **NOTE - DSCLSCEX SCREENING EXIT IS ACTIVE**

Explanation: When processing the SAMS:Disk procedure, it was determined that the DMSCLSCEX user exit was in effect. This user exit allows changes to be made in the selection and exclusion of data sets processed. If a question arises about the validity of the selection process, the first step in determining the problem should be to bypass this user exit to determine if the screening in the exit caused the problem. See sysparm DSCLSCEX and Section 5 USER EXITS, in the Systems Guide, for more information regarding this exit.

3364 **AUTO RESTORE HAS BEEN CHANGED TO A DEFERRED REQUEST**

Explanation: There are two ways to change an “immediate” auto restore request to a deferred request:

1. Setting sysparm ARTAPEOK to “D” for TSS users when the data set has been archived to a Tape/Cartridge.

2. Activating the User screening exit with sysparm ARESPREX can selectively change requests to deferred status.

3367 **RESTORE FOR THIS DATA SET WAS UNSUCCESSFUL**

Explanation: The auto-restore task has failed. Review the MSGPRINT output of the DMSAR proc for the complete reason of the failure. Note that the data set is uncataloged from the pseudo volume at the end of this restore process.

After making the corrections indicated, you may either invoke another auto-restore task or use batch or ISPF to restore manually.

3368 NO ARCHVOL RECORD COULD BE FOUND

Explanation: The DMSAR started task did not find a ARCHVOL record for the DSNINDEX record being auto restored. Verify the FILES or MFILES DD statement in the DMSAR proc has the correct files data set and/or concatenation.

3370 INVALID VALUE FOR SYSTEM PARAMETER ARTAPEOK

Explanation: The sysparm that controls tape mount requests for auto-restore, ARTAPEOK, is specified with a value that is not valid. The valid entries are: Y, N, B, or D.

Specify ARTAPEOK with one of the valid entries and run the job again. See the Sysparms section in the Systems Guide for more information.

3375 ERROR DURING SUBSYSTEM REQUEST FOR DSN = (ddd)

Explanation: When the SAMS:Vantage Auto Restore Manager (ARM) is “active”, each auto restore request is passed to ARM via an API request. If the API request is successful, the informational message 3752 is issued. If the API request fails, this message is issued and the data set is auto restored by a SAMS:Disk DMSAR STC.

3377 NO DSNAMES ASSOCIATED WITH MFILES DD STATEMENT

Explanation: An MFILES DD statement was specified in the job but no list of data set names could be found. SAMS:Disk then tried to use the FILES DD statement. If SAMS:Disk found the FILES DD statement, SAMS:Disk used it and continued processing. If SAMS:Disk could not find the FILES DD statement, the job terminated with a user 100 abend.

The job must contain either the DD statement FILES or MFILES with a list of associated files data set names. It must not contain both statements. Also, MFILES must not be specified with DD DUMMY.

Specify the MFILES DD statement with a list of files data set names and run the job again.

3378 **MAXIMUM NUMBER OF CONCATENATIONS EXCEEDED**

Explanation: The maximum number of data set name concatenations for the MFILES DD statement has been exceeded. Specify the MFILES DD statement with fewer data set names and run the job again.

3379 **FILES DATA SET COULD NOT BE DEALLOCATED**

Explanation: An attempt to deallocate the files data set failed because the files data set was allocated to another job. Eliminate the job contention for the files data set and run the job again.

3380 **FILES DATA SET COULD NOT BE ALLOCATED**

Explanation: An attempt to allocate the files data set failed because the files data set is allocated to another job. Eliminate the job contention for the files data set and run the job again.

3381 **(ddd) SUCCESSFULLY DEFINED TO SHRINK**

Explanation: At restore time a data set (ddd) that was originally defined to SAMS:Compress for MVS was re-defined using saved SAMS:Compress characteristics and FDT table.

3382 **A GET REQUEST TO SHRINK FOR DATA SET (ddd) RETURNED A CHARACTERISTICS DATA AREA TOO LARGE FOR THE PROGRAM.**

Explanation: This is a programming error. The size of the data area passed to module ADSUT132 needs to be increased. This problem does not commonly occur. Call the SAMS:Disk Technical Support Center to help resolve the issue.

3383 **A GET REQUEST TO SHRINK FOR DATA SET (ddd) RETURNED AN FDT DATA AREA TOO LARGE FOR THE PROGRAM.**

Explanation: This is a programming error. The size of the data area passed to module ADSUT132 needs to be increased. This problem does not commonly occur. Call the SAMS:Disk Technical Support Center to help resolve the issue.

3384 **A GET REQUEST TO SHRINK FOR DATA SET (ddd) DID NOT RETURN THE FDT BECAUSE OF AN ERROR IN ITS STRUCTURE.**

Explanation: SAMS:Compress for MVS detected an error in the current FDT table for data set (ddd).

3385 **A GET REQUEST TO THE SHRINK SUBSYSTEM FOR DATA SET (ddd) FAILED. REASON= (rrr).**

Explanation: SAMS:Compress for MVS returned an unexpected reason code (rrr) for a failed get request.

3386 **SHRINK/MVS SUBSYSTEM IS NOT ACTIVE.**

Explanation: The SAMS:Compress for MVS subsystem is not currently active or the name of the SAMS:Compress subsystem specified in the SHRNKSYS sysparm is incorrect.

3387 **(ddd) IS ALREADY DEFINED TO SHRINK.**

Explanation: At restore time an attempt was made to define a data set (ddd) to SAMS:Compress for MVS that was already controlled by SAMS:Compress.

3388 **A PUT REQUEST TO THE SHRINK SUBSYSTEM FOR DATA SET (ddd) FAILED. REASON= (rrr).**

Explanation: SAMS:Compress for MVS returned an unexpected reason code (rrr) for a failed put request.

3389 **VSAM I/O ERROR ON THE SHRINK CONTROL FILE.**

Explanation: An I/O error was encountered while trying to read from or write to the SAMS:Compress for MVS control file.

3390 **SHRINK/MVS SUBSYSTEM DOES NOT SUPPORT THIS SUB-FUNCTION.**

Explanation: This is a programming error. Report this to SAMS:Disk customer support.

3391 **COPY COMMAND CAN ONLY BE USED EXPLICITLY, BY USING AN EXPLICIT FIND COMMAND FOR AN INDIVIDUAL DATA SET**

Explanation: When using the DSCL action command COPY, only one data set can be selected. The data set to be selected must be entered explicitly in the DSCL FIND command. For example:

FIND DSN=LABS.KSV.COPY

3392 **THE RENAME OF THE DATA SET = (ddd) FAILED, SO THE DATA SET WAS NOT MOVED**

Explanation: When using the Move command, prior to moving the data set to its new location, the data set is renamed. The RENAME is done with an JSCVSUT ALTER NEWNAME for the non-VSAM data set. Since this rename failed, the data set (ddd) was bypassed for processing.

3393 **EITHER A COPY WITHOUT NEWNAME, AND/OR THE PARAMETERS NOSCRATCH AND/OR NOCATALOG WERE SPECIFIED FOR DSN = (ddd), WHICH IS INVALID FOR SMS DATA SETS**

Explanation: According to Hitachi, SMS data sets can never be uncataloged. The parameters NOSCRATCH and NOCATALOG would cause the SMS data set to be uncataloged. Issuing a COPY without the NEWNAME parameter, will also cause the SMS data set to be uncataloged. The only way the COPY command can be issued for an SMS data set is with the NEWNAME parameter specified.

3394 **DATA SET RENAMED FROM (ddd) TO (nnn)**

Explanation: SAMS:Disk renamed data set (ddd) to (nnn) using JSCVSUT ALTER NEWNAME. The newname is determined by adding DMSxxxxx to the original name. The xxxxx represents the hex equivalent of the current HHMMSS (hours, minutes, seconds).

When this message is issued during the Move/Copy process, SAMS:Disk renames the original data set before moving or copying it. This is done to improve compatibility with allocation products such as Hitachi's DFSMS and Sterling Software's SAMS:Allocate™.

This is an informational message only. If the job abnormally terminates, the information in the message can be used for recovery purposes.

3395 **ALTER NEWNAME FAILED FOR DSN = (ddd), WHEN ATTEMPTING TO RENAME IT TO (nnn)**

Explanation: SAMS:Disk issued an JSCVSUT ALTER NEWNAME to rename data set (ddd) to the newname of (nnn). The attempt was unsuccessful and the data set was not renamed.

3396 **ERROR RETURNED IN VVDS READER FOR VOLUME=(vvv),REASON CODE=(rrr)**
and
HITACHI: SEE HITACHI MESSAGE JSC0009I-S
or
FUJITSU: SEE FUJITSU MESSAGE KQC3009I

Explanation: The VTOC volume record (VVR) was not found for volume (vvv), reason code (rrr). The last line of the message is dependant on the operating environment, Hitachi or Fujitsu.

3401 **AMS RECOVERY FILE IS (ddd), MEMBER= (mmmmmmmm)**

Explanation: This informational message indicates that (mmmmmmmm) is the AMS recovery member name used in (ddd).

3402 **AMS DEFAULT MEMBER, MEMBER=AMSRFILE**

Explanation: This informational message is self explanatory.

3403 **WARNING, AMS RECOVERY FILE ON JES OUTPUT SPOOL**

Explanation: This informational message indicates that the current AMS recovery file is on the JSS output spool.

3404 **WARNING, AMS RECOVERY FILE IS NULLFILE OR DUMMY**

Explanation: This informational message indicates that the current AMS recovery file is either a nullfile, or its DD statement is set to DUMMY.

3405 **WARNING, AMS RECOVERY FILE ON TSO TERMINAL**

Explanation: This informational message indicates that the current AMS recovery file is allocated to a TSS session.

3406 **ERROR, AMS RECOVERY FILE ON JES INPUT STREAM**

Explanation: This informational message is self explanatory.

3407 **ERROR, AMS RECOVERY FILE, //AMSRFILE—DD, NOT SPECIFIED**

Explanation: This informational message is self explanatory.

3408 **ERROR, AMS RECOVERY FILE MUST BE DSORG "PS" OR "PO"**

Explanation: This informational message is self explanatory.

3409 **ERROR, AMS RECOVERY FILE HAS AN INVALID RECORD FORMAT**

Explanation: This informational message is self explanatory.

3410 **ERROR, AMS RECOVERY FILE HAS AN INVALID RECORD LENGTH, LTH=(nnnn)**

Explanation: This informational message is self explanatory.

3412 **(fff) FAILED FOR DATA SET (ddd). RETURN CODE IS (rrr)**

Explanation: The SAMS:Disk function (fff) failed to process data set (ddd). The function's return code is (rrr). The preceding messages detail the cause of the failure.

3413 **RENAME-TO-MOVE FAILED FOR (ddd)**

Explanation: Data set (ddd) was selected to be moved by the MOVE/COPY DSCL command. Prior to the actual move, SAMS:Disk failed while attempting to rename (ddd) to a temporary name. Any preceding messages detail the cause of the failure.

3414 **NEWNAME-TO-MOVE FAILED FOR (ddd)**

Explanation: This message is issued to indicate that one of the following problems were encountered:

1. The newname process failed for data set (ddd) durring a MOVE/COPY operation
2. The newname parameter is needed for the function to complete

Any preceding messages detail the cause of the failure.

3415 **DEFINE FAILED FOR CLUSTER, DSN=(ddd)**

Explanation: SAMS:Disk was unable to create the VSAM cluster (ddd). An earlier message will describe why the define failed.

3417 DATA TRANSFER ERROR

Explanation: SAMS:Disk encountered an error during the actual copy operation of the data from the source location to the target location. An earlier message will describe the cause of the failure.

3418 VSAM/DUMMY RECORD WRITE FAILED - (rrr),(fff)

Explanation: SAMS:Disk encountered an error when writing a dummy record for the VSAM dummy record insert/delete function. The VSAM return code is (rrr) and the feedback code is (fff).

3419 VSAM/DUMMY RECORD READ FAILED - (rrr),(fff)

Explanation: SAMS:Disk encountered an error when reading the dummy record for the VSAM dummy record insert/delete function. The VSAM return code is (rrr) and the feedback code is (fff).

3420 VSAM/DUMMY RECORD ERASE FAILED - (rrr),(fff)

Explanation: SAMS:Disk encountered an error when erasing the dummy record for the VSAM dummy record insert/delete function. The VSAM return code is (rrr) and the feedback code is (fff).

3422 **THE FIND COMMAND DSNAME= PARAMETER MUST HAVE A FIRST QUALIFIER WITHOUT PATTERN CHARACTERS**

Explanation: Due to a restriction of Catalog Management, the DSCL FIND command DSNAME= parameter must have a complete first node without any SAMS:Disk pattern characters (/, ?, *, !). This is because Catalog Management needs to know which catalog is to be used for the Superlocate search. SAMS:Disk pattern characters in other nodes are fine.

Respecify the DSNAME= parameter so that the first (high level) qualifier does not contain any SAMS:Disk pattern characters. If necessary, create multiple FIND commands. For example, instead of:

```
FIND DSNAME=LABIVP?.*.SOURCE/
action command
```

specify:

```
FIND DSNAME=LABIVP1.*.SOURCE/
FIND DSNAME=LABIVP2.*.SOURCE/
FIND DSNAME=LABIVP3.*.SOURCE/
FIND DSNAME=LABIVP4.*.SOURCE/
action command
```

Then resubmit.

3423 **OPERAND (nnn) IS A CHARACTER FIELD A CHARACTER LITERAL IS REQUIRED FOR THE OTHER OPERAND**

Explanation: An error was found during SAMS:Disk DSCL command validation. The value entered for the DSCL SELECT or EXCLUDE CRITERIA operand (nnn) was invalid. Operand (nnn) is a character field; its value must be specified as a character literal and enclosed in

Completely enclose the operand in the delimiters <> and run the job again. See the USER'S GUIDE for DFSMS for more information.

3425 **INSUFFICIENT VOLUMES AVAILABLE FOR ALLOCATION, (nnn)-VOLUMES REQUIRED**

Explanation: The creation (or allocation) of a data set failed because not enough volumes were available. The data set needs (nnn) volumes for allocation. Supply the number of volumes needed and run the task again.

3430 **MEMBER LIST SPECIFIED FOR NON-PARTITIONED DATA SET (ddd)**

Explanation: A command was specified with the MEMBER= parameter but the data set (ddd) was not a partitioned data set. The message occurred because the MEMBER= parameter can only be used for partitioned data sets. Remove the MEMBER= parameter or correct the data set name specified, and run the task again.

3431 **VSAM PAGE SPACE (aaa) BYPASSED BECAUSE PROCESSING IN IMPLICIT MODE**

Explanation: While processing in implicit mode, SAMS:Disk bypassed VSAM page space (aaa). It was bypassed because SAMS:Disk does not process VSAM page spaces in implicit mode. For a VSAM page space to be processed, its name must be specified explicitly. This is an informational message.

3433 **VSAM DUMMY RECORD INSERT/DELETE COMPLETED FOR (ddd).**

Explanation: The insertion and deletion of the VSAM dummy record has completed successfully for data set (ddd). This is an informational message.

3434 **VSAM DUMMY RECORD INSERT/DELETE FAILED FOR (ddd).**

Explanation: The insertion and deletion of the VSAM dummy record was unsuccessful for data set (ddd). Previous messages indicate the cause of the error. Following messages will indicate how SAMS:Disk has recovered from the error.

3435 CLUSTER NAME COULD NOT BE DETERMINED FOR VSAM COMPONENT (ddd) ON VOLUME (vvv)

Explanation: SAMS:Disk bypassed processing for VSAM component (ddd) on volume (vvv) because SAMS:Disk could not determine the cluster name for that component.

This informational message is issued only under SCAN REALVOLS. This message is not issued when the only action command under SCAN REALVOLS is REPORT COMPONENTS. Also, it is not issued under SCAN CATALOGS=, FIND.

This message may occur for several reasons and the messages preceding it may help you to determine the reason that the message was issued. The reason for the message may depend on the environment:

- In both single- and multi-CPU environments, the component may be cataloged in a catalog that resides on a volume that is off-line to your system.
- In a multi-CPU environment, the component may not be correctly cataloged on your system (although the component could be correctly cataloged on other systems).
- In a single-CPU environment, this VSAM component may have been orphaned.

To correct the cause of the message, run the job again on the correct system, or delete the orphaned VSAM component, or ignore this message. If you do not want to receive this message, specify sysparm DSCLMSGS with a value of N.

3436 **CLUSTER (ddd) IS OWNED BY CATALOG (aaa) BUT WAS LOCATED IN CATALOG (bbb)**

Explanation: Cluster (ddd) is owned by a VSAM catalog (aaa). When SAMS:Disk was attempting to process the cluster through a normal catalog search, it was located in catalog (bbb). The cluster in catalog (aaa) cannot be processed.

A STEPCAT DD that may be required to process the data set may not have been supplied or a user has allowed the cluster to be defined in more than one catalog. Supply the STEPCAT DD for catalog (aaa) and run the job again.

3437 **THE CATALOG VOLUME(S) DISAGREE WITH VSAM COMPONENT (ccc) ON (vvv)**

Explanation: The VSAM component (ccc) resides on volume (vvv), but the VSAM component catalog entry shows that the component resides on a different volume. SAMS:Disk bypassed processing the cluster to which the VSAM component may belong.

This informational message is issued only under SCAN REALVOLS. This message is not issued when the only action command under SCAN REALVOLS is REPORT COMPONENTS. Also, it is not issued under SCAN CATALOGS= or FIND.

In a multi-CPU environment, this component may be cataloged correctly on another system. In a single-CPU environment, this VSAM component has been orphaned.

To correct the cause of the message, run the job again on the correct system, or delete the orphaned VSAM component, or ignore this message. If you do not want to receive this message, specify sysparm DSCLMSGS with a value of N.

3438 **CATALOG (ccc) FOR DATA SET (ddd) IS ON OFFLINE VOLUME (vvv)**

Explanation: The catalog (ccc) for data set (ddd) resides on a volume (vvv) that is currently offline or unavailable.

In a multiple-CPU environment, the volume that the catalog resides on may not be shared with the system the job was executed on.

To process the data set, either make the catalog's volume available to the system or run the job on a system that has the catalog available.

3440 VSAM COMPONENT (ccc) ON VOLUME (vvv) IS CATALOGED AS NON-VSAM

Explanation: The VSAM component (ccc) resides on volume (vvv), but the VSAM component catalog entry shows the component as a non-VSAM data set. SAMS:Disk bypassed processing the cluster to which the VSAM component may belong.

This informational message is issued only under SCAN REALVOLS. This message is not issued when the only action command under SCAN REALVOLS is REPORT COMPONENTS. Also, it is not issued under SCAN CATALOGS= or FIND.

In a multi-CPU environment, this component may be cataloged correctly on another system. In a single-CPU environment, this VSAM component has been orphaned.

To correct the cause of this message, run the job again on the correct system, or delete the orphaned VSAM component, or ignore this message. If you do not want to receive this message, specify sysparm DSCLMSGS with a value of N.

3441 THE VOLUME RECORD FOR (vvv) OWNED BY CATALOG (ccc) COULD NOT BE OBTAINED

Explanation: The VSAM volume record for volume serial number (vvv) — which is owned by catalog (ccc) — could not be obtained. The sub-allocated cluster on volume (vvv) cannot be processed.

The VSAM catalog and volume are out of synchronization or an error exists in the VSAM catalog. Correct the error and run the job again.

3443 CLUSTER NAME COULD NOT BE DETERMINED FOR VSAM COMPONENT (aaa) IN CATALOG (bbb)

Explanation: The process of determining the cluster name for VSAM component (aaa) in catalog (bbb) failed. No further processing will occur for the component. The component is contained within a VSAM data space.

The catalog has a structural error. The previous message may help to determine exactly what the error is. Correct the error and run the job again.

3445 IMPLICIT DMS-function, BYPASSED FOR LINK-LIST LIBRARY - pds.library.name

Explanation: The library specified in the message was to be selected for processing by the indicated SAMS:Disk function. But processing was bypassed for this data set because it was found to be a link-list library.

This message can occur for a PDS Compress function. PDS Compress physically moves the data set to a new location on the same volume, and this can cause problems for link-list libraries. The message can also occur for MOVE and COPY functions.

3446 SMS ERROR DETECTED, RC=(cccc)

Explanation: An SMS subsystem error was detected. The return code is (cccc). A description of the codes is documented in Diagnosis Reference manual for DFP Version 3.

3451 SPECIFIED POOL PARAMETER BYPASSED FOR MULTI-VOLUME RESTORE

Explanation: During a multi-volume restore or auto-restore SAMS:Disk bypassed the specified POOL= parameter. This occurred because a multi-volume data set cannot be restored using the POOL= parameter, unless, sysparm PRIALLOC is specified with a value of N.

3453 COMMAND REJECTED - VOLUME ORIENTED SELECT OR EXCLUDE PARAMETERS VOLUME=, SGNAME= AND VAMPOOL= ARE ALL MUTUALLY EXCLUSIVE

Explanation: The DSCL SELECT or EXCLUDE parameters of VOLUMES=, SGNAME= and VAMPOOL= allow selection or exclusion by either specific volumes, or by pools representing volumes. Only one of these volume oriented type parameters is allowed per SELECT or EXCLUDE command. Correct the command statement and resubmit the job.

3454 I/O ERROR ON TRACK CCHH=cccchhhh, SENSE=ssss

Explanation: An I/O error was encountered by VBACKUP when processing the volume listed in the previous 2860 SAMS:Disk message. The I/O error was detected on track cccchhhh. The sense code is ssss. See the Hitachi System/M-series Reference Summary manual for an explanation of the sense code.

3455 **IO ERRORS EXCEED IO ERROR LIMIT SET BY SYSPARM IOERRLIM VBACKUP IS INVALID FOR VOLUME, NO DATA WRITTEN TO OUTPUT**

Explanation: I/O errors were encountered when attempting to run a VBACKUP against the volume listed in the previous 2860 SAMS:Disk message. The maximum number of I/O errors that can be encountered during VBACKUP are specified in the sysparm IOERRLIM. When the I/O error limit is reached, processing is bypassed for that volume, and the above message is issued.

3456 **NO ONLINE VOLUMES SUPPLIED FOR VSIDCUTV**

Explanation: The error occurred during SAMS:Disk VSAM restore or recover processing. Since the JSCUT1 and JSCUT2 DD statements were not specified in the JCL, SAMS:Disk needs to dynamically allocate them. The volser to which they should be allocated is specified in the sysparm VSIDCUTV. None of the volsers specified in the sysparm VSIDCUTV sysparm were online to the system.

Specify an online volser(s) for SAMS:Disk sysparm VSIDCUTV and run the job again.

3457 **VOLSER = (vvv) SUPPLIED FOR VSIDCUTV NOT ONLINE**

Explanation: This message was issued during SAMS:Disk VSAM restore or recover processing. Since the JSCUT1 and JSCUT2 DD statements were not specified in the JCL, SAMS:Disk needs to dynamically allocate them. The volser to which they should be allocated is specified in the sysparm VSIDCUTV. Volser (vvv) specified for the sysparm was not online to the system. If there are other volsers in the volser list supplied by the sysparm VSIDCUTV, SAMS:Disk will continue to check them for one that is online.

3458 **COMMAND REJECTED - THE COMPONENTS PARAMETER MAY ONLY BE USED WITH THE DSNAMES= OR TABLE= PARAMETERS**

Explanation: There is an error with the DSCL SELECT/EXCLUDE command parameter COMPONENTS. It must be entered with either the DSNAMES= or TABLES= parameters on the same SELECT/EXCLUDE statement. Add the DSNAMES= or TABLES= parameters to the command in error and resubmit the job.

3459 **DID NOT RESTORE DSN (ddd) BECAUSE THE CATALOG DOES NOT MATCH THE RECOVER VOLUME.**

Explanation: The volume to which data set (ddd) is being restored or recovered is not the same volume that the data set is cataloged on.

The Recover or Restore command has the scratch parameter specified. If the data set is cataloged to a volume different from that to which it's being restored or recovered, the data set will not be restored or recovered.

The system parameter DSNDUPVL controls the processing described above. If this sysparm is specified with a value of N, the default, the above condition will occur. If the sysparm is specified with a value of Y, the data set will be restored or recovered to the volume specified and scratched from the cataloged volume.

3461 **NO ENDING > FOR LITERAL IN OPERAND (nnn) OF CRITERIA PARAMETER**

Explanation: An error was found during SAMS:Disk DSCL command validation. The error was in the SELECT or EXCLUDE CRITERIA operand of (nnn). This operand must be entered in character literal format which requires that the value be enclosed in <>. The operand (nnn) was missing the matching terminating delimiter of >.

Completely enclose the operand (nnn) in the delimiters and run the job again. See the USER'S GUIDE for DFSMS for more information.

3462 **UNCORRECTABLE READ ERRORS ON VOLUME=(vvv), DSNAME=(ddd) FOR MEMBER=(mmm) , RECORD NOT FOUND**

Explanation: An unrecoverable I/O error occurred while processing member (mmm) of partitioned data set (ddd) on volume (vvv). The specified volume indicates whether the error occurred while reading the source data set or while writing the new target data set. The data set is bypassed. If the source data set incurred the error, examine the data set to determine if it needs to be reloaded.

3463 **CHARACTER LITERAL VALUE OF (vvv) INVALID FOR (ppp) CHARACTER LITERALS ARE NOT VALID FOR THIS PARAMETER**

Explanation: SAMS:Disk encountered an error during DSCL command validation. The value (vvv) for the SELECT or EXCLUDE CRITERIA parameter (ppp) is invalid. The value was entered in character literal format. This format is invalid for the (ppp) parameter. See the DSCL section of the User's Guide for the possible values for this parameter.

3464 **SMS DATA SET = (ddd) BYPASSED FOR PROCESSING, SMSCPROC SYSPARM SAYS NOT TO PROCESS SMS DATA SETS**

Explanation: The SAMS:Disk sysparm SMSCPROC was set to N. This tells SAMS:Disk to bypass all processing for SMS data sets. SMS data set (ddd) was bypassed for this reason. If you wish to process SMS data sets, set the SAMS:Disk sysparm SMSCPROC to Y.

3466 **ONE OR MORE OF THE FOLLOWING PARAMETERS MUST BE SPECIFIED ON THE VREPORT COMMAND: ALLOCS, ATTRBS, DISTRS, FREESP, LAYOUT**

Explanation: These parameters supply the VREPORT name requests to SAMS:Disk. You must specify at least one of them on the VREPORT command.

3467 **(ddd) IS A BROKEN VSAM DATA SET BECAUSE, (xxx) (ccc) COMPONENT BYPASSED**

Explanation: This message is issued during DSCL SCAN processing when SAMS:Disk is selecting data sets to be processed. SAMS:Disk has determined that VSAM data set (ddd) is broken, due to (xxx).

The second line of the message will only be issued if the data or index (ccc) component is so damaged that SAMS:Disk can not process it. If the bypass message is not issued, then SAMS:Disk will report on it as a broken VSAM data set for non-VSAM reports.

To prevent SAMS:Disk from issuing this message, set the SAMS:Disk sysparm DSCLMSGS to N.

3471 **INVALID DISPOSITION SPECIFIED - MUST BE RECAT OR NOCAT**

Explanation: The DISP= parameter value of the DELETE command was incorrect. Change it to RECAT or NOCAT and submit the job again.

3472 CHARACTER LITERAL VALUE OF INVALID

Explanation: An error was found during SAMS:Disk DSCL command validation. The error was in the SELECT or EXCLUDE CRITERIA operand of . This operand has been entered in character literal format which requires that a value be enclosed within the delimiters of.

Enter a valid value within the character literal delimiters of and run the job again. Some valid examples are / or <SMSNAME>. See the User's Guide, Chapter 2, for more information.

3473 INVALID TIME SPECIFIED (hhmm) IN OPERAND (n) OF CRITERIA PARAMETER

Explanation: An invalid time was specified in the (n) operand of the DSCL CRITERIA parameter. Correct the time and submit the job again.

The time must be entered as a numeric value in the hhmm format.

3474 ERROR ENCOUNTERED WITH DSN=(ddd)

VSAM RPL FEEDBACK=(fff), FUNCTION CODE=(ccc), RBA=(rrr)

Explanation: SAMS:Disk has detected an error while processing VSAM (ddd), and encountered RPL feedback code (fff), function code (ccc), and RBA (rrr). (fff) is code is explained in detail in the Hitachi publication *VSAM Programmer's Reference Guide*.

A list of the most commonly encountered return codes is stored within SAMS:Disk. If this error code is in the SAMS:Disk table, subsequent lines detailing the nature of the error will appear with this message.

If the problem cannot be resolved locally, contact the SAMS:Disk Technical Support Center.

3475 (tttttttt) TABLE ENTRY MUST HAVE DSNAME SPECIFIED, ENTRY NUMBER (nnnn) IS INVALID

Explanation: SAMS:Disk found an invalid entry in a PARMLIB table. The value specified by (tttttttt) is the PARMLIB member that needs to be reviewed. The entry number specified in (nnnn) is the sequence number that needs to be corrected. This entry has an invalid data set name specified with either a blank or an invalid pattern character, or it is entered in an incorrect column format. See the PARMLIB section of the User's Guide for information about how to run the VALIDATE program to check the PARMLIB entry syntax.

3476 **MEMBER INUSE, NOT RESTORED, NAME=(mmm)**

Explanation: During a member level Restore, SAMS:Disk discovered that source member (mmm) was in use by another task.

3500 **UNCATALOG FROM DMS PSEUDO VOLUME FAILED FOR (ddd)**

Explanation: During Restore or Auto-Restore processing, SAMS:Disk determined that data set (ddd) was cataloged to the SAMS:Disk pseudo volume. SAMS:Disk tried to uncatalog the data set so processing could continue normally.

SAMS:Disk will try to process the restore request. Proper allocation or catalog action for the data set may fail. Review the remainder of the output to determine if any action is required.

3501 **NOT ENOUGH AUTHORITY TO UNCATALOG (ddd) FROM THE DMS PSEUDO VOLUME**

Explanation: During Restore or Auto-Restore processing, SAMS:Disk found that data set (ddd) was cataloged to the pseudo volume. SAMS:Disk tried to uncatalog the data set so processing could continue normally. However, the restore task did not have enough authority to delete the entry.

SAMS:Disk tries to process the restore request, but proper allocation or catalog action for the data set may fail. Review the remainder of the output to determine what, if any, action is required.

3502 **UNLOAD, REINIT AND RELOAD THE FILES DATA SET. THIS IS THE OLD STRUCTURE AND YOU ARE EXECUTING THE CODE FOR THE NEW STRUCTURE FILES DATA SET.**

Explanation: The user has started IXMAINT using a version of SAMS:Disk which includes a changed Files data set structure. This is not valid. The Files data set must first be converted to the new structure by running UNLOAD and REINIT processes against the OLD Files data set and then reloading it. Processing ends with a U200 abend.

3503 ORIGINAL PRIM ALLOC WAS DONE IN BLOCKS. BLKS UNAVAILABLE AT FUNCTION. DSN=(ddd)

Explanation: (ddd) was originally allocated with parameter AVGBLK. With systems running DFP 3.0 and above, SAMS:Disk can request the system determined BLKSIZE from a call to DFP and can use this value in calculating space requests. If the space is unavailable, this message is issued indicating that track size was the basis for space calculations.

3507 (ddd) SUCCESSFULLY DELETED FROM THE SHRINK CONTROL FILE

Explanation: At archive time, the SAMS:Compress for MVS controlled data set (ddd) was also deleted from the SAMS:Compress control file.

3508 (ddd) WAS NOT DELETED FROM THE SHRINK CONTROL FILE

Explanation: At archive time, the delete request for a SAMS:Compress for MVS controlled data set (ddd) was not successful.

3514 ALTER FAILED FOR NON-VSAM DSN = (ddd)

Explanation: An JSCVSUT ALTER was issued for a non-VSAM data set (ddd), but was unable to modify the non-VSAM data set attributes as given.

The non-VSAM data set attributes were incorrectly defined at creation time or were incorrectly altered after creation, such that JSCVSUT can no longer honor the request.

3516 DSCBCVEX EXIT; RETURN CODE = (rrr); VTOC NOT UPDATED

Explanation: If sysparm DSCBCVEX specifies a user exit, a return code other than 1 from the exit will cause an issuance of this message.

User defined return codes other than 1 can be coded in the user exit. Any return code other than 1 will prevent the format 1 from being updated.

Any needed corrective action is determined by user by user coded return codes.

3517 DATA SET (DSN) CANNOT BE REBLOCKED BECAUSE OF SYSPARM HONORTTR SETTING

Explanation: The reblocking process does not honor TTR values during the restore function. Set sysparm HONORTTR to 'N' if the data set is to be reblocked.

3518 **JFCB NOT FOUND FOR (DSN)**

Explanation: Call the Technical Support Center.

3519 **ASSOCIATION (aaa) CI NUMBER (ccc) NOT FOUND FOR DSN = (ddd)**

Explanation: A Control interval number (ccc) was not returned by JSCVSUT for the given data set name (ddd). This message occurs when SAMS:Disk tries to re-establish an association name in a non-DMF/EF Type-2 (VSAM) type catalog structure.

Under normal conditions this message should not occur. This message implies that the integrity of the target catalog may be corrupted.

Use JSCVSUT utilities to analyze the target catalog.

3520 **UNABLE TO RETRIEVE ALIAS FOR DSN = (ddd)**

Explanation: This message is generated when aliases for data set (ddd) are not created.

The data set may have been archived before alias support was implemented in SAMS:Disk. SAMS:Disk will restore the data set without an alias.

3521 **DATE REFORMAT FAILURE FOR DSN = (ddd)**

Explanation: An JSC0009I-S return code 84 reason code 2 was encountered for data set name (ddd) during date retrieval. There is a conflict between date formats. An attempt to retrieve a date in the new format (yyyyddd) failed because the request used the old format (yyddd).

3522 **PHYSICAL TRACKSIZE NOT FOUND**

Explanation: A request for the physical tracksize of a specific device type was not returned because the device type is new.

Call the Technical Support Center for help.

3523 **data set = (ddd) UNABLE TO DETERMINE CAT VOL FOR SECURITY USING OLD VOLUME FOR SECURITY CHECK**

Explanation: During a VSAM restore to a new name data set (ddd), the catalog volume of the new name cluster could not be determined. The volume of the catalog from which the data set was archived is used to check security authority.

A catalog management locate error typically triggers this message.

3524 **(ddd) HAS A RECORD FORMAT OF U. DATA SET WILL NOT BE REBLOCKED**

Explanation: PO data sets with a record format of U cannot be reblocked. A volume allocation product may allow reblocking of data sets with record format of U.

3525 **NO DATA SETS SELECTED FOR DSN= (ddd)**

Explanation: No data sets were selected during DSCL selection for data set name (ddd) when processing an implicit FIND or SCAN CAT command. This is caused when the only data sets found are cataloged to the SAMS:Disk pseudo volume.

3529 **EXPIRATION DATE INVALID. EXPIRATION DATE SET TO 9999.999 FOR DSN = (ddd)**

Explanation: An invalid expiration date was encountered for data set name (ddd). SAMS:Disk changed the expiration date to 9999.999 for permanent retention of the data set.

3530 **RESET OF CHGBIT FAILED FOR: (ddd)**

Explanation: SAMS:Disk tried to MOVE a VSAM data set (ddd). During allocation, an error prevented the move. SAMS:Disk could not reset the change bit in the DSCB for the original copy of the data set.

Most likely, another program changed the DSCB entry for the data set after it was retrieved for MOVE processing. In theory, this should not happen since an exclusive enqueue is in effect for move processing.

So, the data set may qualify for backup unnecessarily because the change bit is left on. The DSCBUPDT Utility can be used to turn off the change bit.

3531 **ONLY ONE REBUILD COMMAND PER JOB EXECUTION 3531 TO PROCESS MORE FILES, RUN MORE STEPS. ONLY FIRST COMMAND PROCESSED**

Explanation: SAMS:Disk processing encountered more than one REBUILD command in a jobstep. To REBUILD more files for the SAMS:Disk files data set, you must execute more than one REBUILD job.

3535 **VSAM DATA SET (ddd) SELECTED FOR ARCHIVE/BACKUP. TO RECOVER THIS DATA SET ADD (vvvvvv) ON THE RECOVER COMMAND.**

Explanation: This VSAM cluster (ddd) was selected for Archive/Backup processing because a portion of the cluster resided on volume (vvvvvv). This was not the primary volume for the data component of the cluster.

Only the volume serial for the primary volume of the data component is stored on the DSNINDEX record for the cluster. Recover processing will only select a data set based on that volume serial. Therefore, it is possible that a cluster would not be selected for recovery if the volume selection parameters were the same as those used to select it for Archive/Backup.

To ensure that this cluster will be selected for recovery, you should include the volume (vvvvvv) in the volume parameter list for the Recover job.

3537 **LINK ERROR TO TMS EDM, RC=(rrr) NO VOLSERS CAN BE SCRATCHED VIA EDM INTERFACE**

Explanation: In an attempt to scratch a tape, a link error occurred while using the External Data Manager Interface of TMS.

The return code (rrr) provides a reason for this failure. A likely cause for failure is that the TMS load module was not available for the job (S806 abend).

Correct the reason for the link failure. All tapes expired during this job run must be scratched manually from TMS.

3538 **POINT FOR DATA CA AT RBA=99999999 FAILED RC=9999 REASON CODE=9999**

Explanation: The problem occurred during read processing for a VSAM KSDS using the control interval access method. A POINT was issued to position the data set to the next non-contiguous CA, and VSAM indicated that the POINT failed. The reason for the failure may be looked up in the VOS3 Messages Manual, message number JSC0009I-S.

If this situation occurs, the system terminates the reading and all processing for the VSAM cluster.

This message should never happen. If the problem occurs, it indicates a logic error either in VSAM or SAMS:Disk.

3539 **KGE POINT FOR DATA CA FAILED. RC = 9999 REASON CODE = 9999**

Explanation: The problem occurred during read processing for a VSAM KSDS using the control interval access method. A POINT was issued to position the data set to the next non-contiguous CA, and VSAM indicated that the POINT failed. The reason for the failure may be looked up in the VOS3 messages manual, message number JSC0009I-S.

If this situation occurs, the system terminates the reading and all processing for the VSAM cluster.

This message should never happen. If the problem occurs it indicates a logic error either in VSAM or SAMS:Disk.

3541 **ALLOCATION FAILED FOR VOLUME: (vvv), DSN=(ddd)**

Explanation: During RESTORE processing of a multi-volume VSAM data set, volume (vvv), data set (ddd), was needed but could not be allocated. This message can occur if one of the volumes from which the original data set was archived no longer exists, or is offline and the mount request could not be satisfied. To correct the problem, make sure that all needed volumes are available for the restore, or preallocate the data set before restoration.

3542 **(ppp) HAS NO (sss) VOLUMES.**

Explanation: During a listing of the volumes in tape pool (ppp), SAMS:Disk found no volumes that matched the specified STATUS= parameter (sss). The status can be either SCRATCH or IN USE, depending on the value of the STATUS= parameter. This is an informational message.

3543 NO RECORDS SELECTED

Explanation: A LISTD or LISTV was performed and no records were found to match the search argument.

3544 RECORD NOT FOUND FOR =

Explanation: LISTD or LISTV was performed and no record was found to match a volser or DSN.

3545 UNCATALOG ACTION AGAINST (ddd) FAILED

Explanation: SAMS:Disk was unable to uncatalog a SMS managed data set (ddd) when doing archive disposition processing.

If the problem occurs, it indicates either logic errors in SAMS:Disk or a catalog error. If the reason for the catalog error cannot be determined, contact the Technical Support Center to resolve the problem.

3546 SCRATCH ACTION SUPPRESSED DUE TO CATALOG ACTION FAILURE

Explanation: During archive disposition processing for a SMS managed data set, SAMS:Disk could not take the appropriate catalog action. The data set will not be scratched as a result.

Previous error messages will document the reason for the catalog disposition error. Take the corrective action documented by the previous messages and rerun the archive job.

3547 VOLUME ALLOCATION FOR (vvv) FAILED, SCRATCH BYPASSED

Explanation: Before scratching a SMS managed data set, the volumes(s) (vvv) where the data set resides could not be allocated. No scratch action will be performed.

If the problem occurs it indicates either logic errors in SAMS:Disk or a VOS3 system error. If the reason for error cannot be determined, contact the technical support center to resolve the problem.

3548 SCRATCH ACTION AGAINST (ddd) FAILED

Explanation: During archive disposition processing, SAMS:Disk was unable to scratch a SMS managed data set (ddd).

If the problem occurs it indicates either logic errors in SAMS:Disk or a catalog error. If the reason for the error cannot be determined, contact the technical support center to resolve the problem.

3549 CATALOG ENTRY RECOVERY FAILED FOR (ddd)

Explanation: During recovery for a scratch error, SAMS:Disk has failed to recreate the catalog entry for data set (ddd).

This problem should only occur for SMS managed data sets and will be proceeded by message 3548.

If the problem occurs it indicates either logic errorsin SAMS:Disk or a catalog error. If the reason for error cannot be determined, contact the technical support center to resolve the problem.

3550 LOGIC ERROR, FIELD: (fff) NOT FOUND IN TABLE

Explanation: A logic error occurred during a call to ADSDM223. The program may be called with an option of ’1’ to update the DSNINDEX record using the FIELDS macro, or an option of ’2’ to delete the DSNINDEX record. This error is issued when option ’1’ was specified and a field in the field list passed was not in the table of supported fields in ADSDM223.

If this situation occurs, the system continues to process, ignoring the invalid field name passed.

This message should never happen. If the problem occurs it indicates a logic error. Please contact the technical support center to resolve the problem.

3559 UNABLE TO LOCATE MASTER CATALOG

Explanation: An attempt to obtain the Master Catalog name using the system LOCATE macro failed. The return code and reason are interpreted in a message following this one.

3560 LOCATE MACRO FAILED FOR CATALOG NAME: (ccc)

Explanation: An attempt to obtain a VSAM cluster name for the catalog name (ccc) using the system LOCATE macro failed. The return code and reason will be interpreted in a message following this one.

3561 SUBALLOCATED VSAM NOT PROCESSED, USER NOT APF AUTHORIZED

Explanation: The sysparm VSDSPACE is specified "Y" to process sub- allocated VSAM data clusters but the user was not authorized to issue the MODESET macro required to attempt the processing. Use the SYSPARM value VSDSPACE set to "N" to bypass sub-allocated VSAM clusters or obtain APF authorization for the user.

3562 SUBFILE AREA (xxxxxxxx) HAS ZERO CAPACITY

Explanation: While processing the files data set, subfile (xxx) found to be defined with a zero record capacity. The job will terminate with a U100 abend.

Unload the files data set, reinitialize it so that subfile (xxx) has a valid capacity and reload the data. Normal processing may continue after this is accomplished.

3563 SUBFILE AREA (xxxxxxxx) FORCED TO A CAPACITY OF 1

Explanation: While initializing the files data set, subfile (xxxxxxxx) was encountered whose capacity was set to a value of zero. This value is not permitted. The subfile capacity value was reset to a value of one. No other action is required.

3565 DELETE/NOSCRATCH FAILED FOR SMS-GDG = (ddd)

Explanation: While attempting to move a SMS managed GDG (ddd), SAMS:Disk was unable to delete the original data set.

If the reason for the error cannot be determined, contact the technical support center to resolve the problem.

3566 DELETE/NOSCRATCH SUCCESSFUL FOR SMS-GDG = (ddd)

Explanation: During move processing for a SMS managed GDG, deletion of data set (ddd) was successful.

This is an informational message which occurs during move processing for a SMS managed GDG. No corrective action is needed.

3568 DEFINE RECATALOG OF SMS-GDG = (ddd) FAILED

Explanation: During move processing for a SMS managed GDG, a failure has occurred and recovery of the source data set (ddd) on the original volume has subsequently failed.

After this error, the data set is left in an uncataloged state. Use the JSCVSUT DEFINE NON-VSAM RECATALOG command to recatalog the data set. Determine why the move failed and take corrective action. If the reason for error cannot be determined, contact the technical support center to resolve the problem.

3569 ALTER ROLLIN FOR SMS-GDG = (ddd) FAILED

Explanation: During move processing for a SMS managed GDG, the roll in of the GDG from deferred to active status failed.

After this error, the data set is left in a deferred state. Use the JSCVSUT ALTER ROLLIN command to correct the status. Determine why the move failed and take corrective action. If the reason for the error cannot be determined, contact the technical support center to resolve the problem.

3572 DELETE NVR COMPLETE FOR SMS-GDG = (ddd) ON VOL = (vvv)

Explanation: During move processing for a SMS managed GDG, the scratch action on the source volume is successful.

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

3574 UNABLE TO RECATALOG SMS-GDG = (ddd)

Explanation: During move processing for a SMS managed GDG, a failure has occurred and recovery of source data set (ddd) on the original volume has subsequently failed.

After this error, the data set is left in an uncataloged state. Use the JSCVSUT DEFINE NON-VSAM RECATALOG command to recatalog the data set. Determine why move failed and take corrective action. If the reason for error cannot be determined, contact the technical support center to resolve the problem.

3575 UNABLE TO RECATALOG SMS-GDG = (ddd)

Explanation: During move processing for a SMS managed GDG, a failure has occurred and recovery of source data set (ddd) on the original volume has subsequently failed.

After this error, the data set is left in an uncataloged state. Use the JSCVSUT DEFINE NON-VSAM RECATALOG command to recatalog the data set. Determine why move failed and take corrective action. If the reason for error cannot be determined, contact the technical support center to resolve the problem.

3576 DEFINE RECATALOG OF SMS-GDG = (ddd) SUCCESSFUL

Explanation: During move processing for a SMS managed GDG, a failure has occurred. Recovery of the source data set (ddd) on the original volume was subsequently successful.

Determine the reason for failure, take corrective action, and resubmit the SAMS:Disk job. If the reason for error cannot be determined, contact the technical support center to resolve the problem.

3578 COMPWORK DEALLOCATION FAILED, ABEND 100

Explanation: During PDS Compress processing, an error has occurred during deallocation of COMPWORK data set. An SVC 99 error message will be printed prior to this message. PDS Compress will terminate with a User 100 abend and a dump will be created.

If this error occurs, it indicates either a system error in VOS3 or a logic error in SAMS:Disk. If the reason for error cannot be determined, contact the technical support center to resolve the problem.

3579 COMPWORK ALLOCATION FAILED, ABEND 200

Explanation: During PDS Compress processing, an error has occurred during the allocation of the COMPWORK data set. An SVC 99 error message will be printed prior to this message. PDS Compress will terminate with a User 200 abend.

If this error occurs, it indicates that insufficient disk space is available for the allocation. Modify the VOL=SER JCL parameter for COMPWORK DD to point to a volume with enough free space.

3582 DATA SET NOT SELECTED DUE TO SELECT/ (EXCLUSION) STATEMENTS

Explanation: A DSCL FIND command was used to select data sets for SAMS:Disk to process. No data sets were selected because they did not meet the specified selection criteria. If no other errors are indicated, the SAMS:Disk step will end with a return code of 4.

Alter the FIND command and/or SELECT/EXCLUDE commands so that the appropriate data sets may be selected for processing.

3583 DELETE/NOSCRATCH FAILED FOR GDG = (ddd)

Explanation: During move processing for a GDG, a delete with noscratch of the data set (ddd) on the source volume has failed.

If the problem occurs, it indicates either logic errors in SAMS:Disk or a system error. If the reason for error cannot be determined, contact the technical support center to resolve the problem.

3584 DELETE/NOSCRATCH SUCCESSFUL FOR GDG = (ddd)

Explanation: During move processing for a GDG, a delete with noscratch of the data set (ddd) on the source volume was successful.

This is an informational message only. No corrective action is needed.

3585 **SOURCE data set = (ddd) COULD NOT BE RECATALOGED**

Explanation: During move processing for a GDG, a failure has occurred and recovery of source data set (ddd) on the original volume has subsequently failed.

After this error, the data set is left in an uncataloged state. Recatalog the data set. Determine why move failed and take corrective action. If the reason for error cannot be determined, contact the technical support center to resolve the problem.

3586 **SOURCE data set = (ddd) RECATALOGED**

Explanation: During move processing for a GDG, A failure has occurred and recovery of source data set (ddd) on the original volume was subsequently successful.

If the problem occurs, it indicates either logic errors in SAMS:Disk or a system error. If the reason for error cannot be determined, contact the technical support center to resolve the problem.

3597 **NOTE: UNABLE TO GET ENQ ON GDG BASE AND ORIGINAL REQUESTOR NOT KNOWN TO HAVE IT. GDG BASE= (ggg), DSNAME= (ddd)**

NOTE: UNABLE TO GET ENQ ON DATA SET AND ORIGINAL REQUESTOR NOT KNOWN TO HAVE IT. DSNAME= (ddd)

Explanation: During the auto-restore of data set (ddd), an enqueue could not be obtained for the data set or its GDG base(ggg), if it is a GDG entry. SAMS:Disk could not determine if the original requestor of the restore had the enqueue either.

The auto-restore was allowed to proceed. It is likely that another job was requesting the data set at the same time and was a secondary invoker of the auto-restore.

3598 **RECONDMP DD STATEMENT NOT PRESENT**

Explanation: Informational message only. The RECONDMP DD statement produces a listing of the data sets from the RECON data.

3600 **DATA SET IS SMS MANAGED AND SMS OVERRIDE IS NOT PRESENT ADD SMSYES PARAMETER**

Explanation: The SMSYES parameter must be specified in order to override the expiration date for an SMS managed data set.

3601 INVALID SMS MANAGEMENT CLASS NAME

Explanation: When using the CHANGE command, a valid management class name must be used when the SMSMC= parameter is specified.

Resubmit the job using a valid management class name.

3602 INVALID SMSBYPAS PARAMETER, ONLY ON OR OFF IS VALID

Explanation: This message is self-explanatory.

3603 INVALID SMSNOEXP PARAMETER, ONLY ON OR OFF IS VALID

Explanation: This message is self-explanatory.

3604 ALL SMS data sets WILL BE PROCESSED WITHOUT REGARD TO SMS STORAGE GROUP ATTRIBUTES

Explanation: Sysparm SMSSGBYP has been set with a value of 'Y' and the submitter of this SAMS:Disk job has Storage Administrator authority. All Storage attributes will be ignored when processing SMS managed data sets.

3605 COMMAND REJECTED: SUPPLIED PARAMETER NEWNAME IS NOT A VALID data set NAME.

Explanation: During DSCL command checking, the NEWNAME= parameter specified a data set name that does not conform to VOS3 standards.

Correct the NEWNAME= parameter and resubmit the DSCL job.

3606 BILLING OVERFLOW FOR data set: (ddd) AMOUNT SET TO ZERO FOR REPORT WAS: (xxx)

Explanation: During the report phase of a billing cycle, the amount to be charged for data set (ddd) exceeded the maximum allowed value of 2,147,483,647. To avoid an abend the number was set to zero for the report, and this message printed.

To determine the actual amount to be charged for data set (ddd), convert value (xxx) to decimal and divide by 10000 decimal to get Dollars and Cents or 100 decimal for even Yen.

3608 DSNINDEX RECORD CHANGE DID NOT OCCUR. PLEASE CORRECT PROBLEM AND RE-SUBMIT JOB.

Explanation: A parameter specified with the CHANGE command was incorrect or failed.

Correct failure and re-submit job.

3609 **MAXIMUM BACKUP VERSION LIMIT WILL BE BYPASSED IF SET TO 13**

Explanation: During IXMAINT processing for SMS managed data sets with an assigned Management Class that is defined with the number of backup versions value set to 13, processing will be based on SAMS:Disk parameters. The backup versions values set in the Management Class will be ignored.

This action is taken because sysparm SMSBYBKV is set to 'Y' and the user has Storage Administrator authority. This is an informational message only. No action is required.

3611 **NO USER CATALOG FOUND IN MASTER CATALOG**

Explanation: The sysparm VSDSPACE is specified "Y" to process sub-allocated VSAM data clusters. SAMS:Disk does not find any user catalog in the master catalog. Check the job for any JOBCAT or STEPCAT, if there is one, remove it and rerun the job. If this is not the case, set SYSPARM VSDSPACE to the value of "N" to bypass sub-allocated VSAM clusters and rerun the job.

3612 **OPEN ERROR DD=(xxx) DSN=(ddd) OPEN CODE=(ccc)**

Explanation: During Restore, Recover, or Merge processing, SAMS:Disk attempted to open an archive data set but failed. The open code value (ccc) indicates the return code returned from OPEN.

Processing for this archive data set is terminated, but processing of other archive data sets will continue.

If the reason for the OPEN failure cannot be determined, contact the SAMS:Disk Technical Support Center for assistance. The label and catalog information for the archive data set will be needed to determine the cause of failure.

3613 **ABSOLUTE POINT ERROR. DDNAME=(xxx) DSN=(ddd) BLKID=(bbb) CODE=(ccc) REASON=(rrr)**

Explanation: During Restore, Recover, or Merge processing, SAMS:Disk failed when attempting to position itself within an archive data set. The code value (ccc) and reason value (rrr) indicate the error and reason information returned from the POINTmacro. The BLKID indicates the destination on the tape where the POINT macro was attempting to locate.

If the reason for the POINT failure cannot be determined, contact the SAMS:Disk Technical Support Center for assistance. The label and catalog information for the archive data set will be needed to determine the cause of failure. Do not discard or copy the archive data set until the reason for failure is determined.

A RETRY is initiated attempting to correctly position the tape. The retry consists of setting the PRV in the BLKID to 00, and reissuing the POINT. This causes the tape drive to rewind and search for the requested block from the beginning of the tape. One of the following continuation messages is then issued:

ABSOLUTE POINT RETRY FAILED. DDNAME=(xxx) DSN=(ddd) BLKID=(bbb) RC=(rc)-(rs)

The automatic RETRY for a failing POINT has failed. Processing of this archive data set is terminated, but processing of other archive data sets will continue.

ABSOLUTE POINT RETRY SUCEEDED. DDNAME=(xxx) DSN=(ddd) BLKID=(bbb)

The automatic RETRY for a failing POINT has been successful. Processing of this archive data set will continue.

3614 **CLOSE ERROR DD=(xxx) DSN=(ddd) CLOSE CODE=(ccc), CONTINUING**

Explanation: During Restore, Recover, or Merge processing, SAMS:Disk failed when attempting to close a archive data set. The code value (ccc) indicates the error information returned from POINT.

Processing for this archive data set is terminated, but processing of other archive data sets will continue.

If the reason for the CLOSE failure cannot be determined, contact the SAMS:Disk Technical Support Center for assistance. The label and catalog information for the archive data set will be needed to determine the cause of failure. Do not discard or copy the archive data set until the reason for failure is determined.

3615 **UNABLE TO PROVIDE SHRINK CHARACTERISTICS DATA DUE TO LACK OF AUTHORIZATION**

Explanation: A subsystem call to retrieve SAMS:Compress for MVS characteristics for a data set was bypassed due to lack of authorization.

3617 **(xxxx)**

Explanation: SAMS:Disk has issued a VSAM define precheck to SMS to see if the cluster will be SMS managed. The test of this message is returned from SMS (including ACS routines).This message may be informational in nature, or indicate an error. For error conditions, SAMS:Disk will issue its own message indicating what the error was and what is needed to resolve the error condition.

3618 **ALLOCATION FAILURE FOR FILELOG data set DSN=(ddd)**

Explanation: An attempt was made to allocate the log file for the files data set logging feature of SAMS:Disk, but the allocation failed. Message 2433 is printed prior to this message and indicates the specific reason for the failure.

This message may be issued if the TSS user, or the user submitting the job is no longer authorized to create the data set name specified by the FILOGNAM SAMS:Disk sysparm.

3619 **MORE THAN 20 VOLUMES WERE ALLOCATED FOR THIS DATA SET**

Explanation: The VSAM allocation which occurred used more than 20 volumes. The allocation was successful, but SAMS:Disk may not list more than the first 20 volumes on reports.

This message will be issued if the actual volume count allocated is greater than 20.

3620 **DATA SET (ddd) NOT SELECTED DUE TO INVALID COMBINATION OF ACTION COMMAND (ccc) WITH SELECT COMMAND**

Explanation: A DSCL command was used to select data sets for SAMS:Disk to process. No data set was selected because the command was not BACKUP or REPORT.

The data set was either a user catalog or a VTOC. If no other errors were found, the SAMS:Disk step will end with a return code of 4.

If the CATALOGS command was specified in the select command, the only valid action commands were BACKUP and REPORT.

3622 **UNABLE TO ADJUST TO NEW ALLOCATION, ORIGINAL SECONDARY ALLOCATION IS 0**

Explanation: A PDS Compress job tried to allocate the data set with new space attributes from the ALLOCATE parameter in the COMPRESS command. In order to satisfy the user requirement, the space allocation must be adjusted. SAMS:Disk will not adjust the secondary allocation if the original secondary allocation is zero and the secondary allocation value in the ALLOCATE parameter is zero. After this message is issued, the compression will continue and the original space allocation will be used to allocate the compressed data set.

3623 **LOGICAL ACCESS WAS SPECIFIED FOR BACKUP OR ARCHIVE, BUT CI ANALYSIS REPORT WAS REQUESTED 3623 EITHER SPECIFY "ACCESS=CI" ON COMMAND, OR REMOVE THE CI REPORT REQUEST**

Explanation: Control interval (CI) access is required to produce a Control Interval Analysis (CIA) report, but the logical access was specified for VSAM files for this job. This is inconsistent. Either specify control interval access, or remove the report request.

3624 **SMSUPDAT OVERRIDE IS x**

Explanation: The x indicates the value assigned to the system parameter SMSUPDAT.

3625 **SMSUPDAT OVERRIDE IS INVALID. Y ASSUMED.**

Explanation: The value supplied for the system parameter SMSUPDAT is not a Y, N, or S. Therefore, we assume it is the default value of Y.

3627 **DASD CALC SERVICES NOT FOUND - DFP LVL=(nn) OPT BLK SZ NOT OBTAINED - DSN=(ddd) MOVED-COPIED USING SRCE VOL BLK SZ FOR SPACE ADJ CALCS**

Explanation: An attempt was made to obtain the optimum block size factor via DASD CALCULATION SERVICES for the data set when moving or copying it to the target volume.

A possible reason for the occurrence is that the DASD CALCULATION SERVICES were not found.

If this message is issued, an Hitachi operating system problem may be the cause.

3634 **RESTORE FROM FORMAT-2 ARCHIVED PDS TO PRE-ALLOCATED PDSE NOT SUPPORTED**

Explanation: When restoring an archived PDS to a pre-allocated PDSE, the archive format of the archived PDS prevented SAMS:Disk from restoring it. Processing for this archived data set is terminated, but processing of other archived data sets will continue.

The source data set was archived prior to release 7.7 using DASD EXCP archive.

Either of the following actions can be used to achieve conversion:

- Restore the archived data set (without a pre-allocated PDSE as target) and run SAMS:Disk COPY NEWNAME=.
- Restore the archived data set (without a pre-allocated PDSE as target), archive it again, and restore the newly archived PDS to the pre-allocated PDSE.

3635 **nnnn OPEN UNSUCCESSFUL RC=(ccc)**

Explanation: During RESTORE, SAMS:Disk attempted to open a target data set but failed (not DCB abend). The target data set name is displayed after message number 3635 and the value of RC= indicates the return code from OPEN.

Processing for this archive data set is terminated, but processing of other archive data sets will continue.

Refer to the Hitachi manual regarding OPEN return codes and take action accordingly.

3636 **MEMBER (mmm) IN (nnn) BYPASSED, DISCONNECTED ALIAS NOT ALLOWED IN PDSE**

Explanation: When restoring an archived PDS to a pre-allocated PDSE, SAMS:Disk detected that the member (mmm) is a disconnected alias in the archived PDS (nnn). Processing continues but the bypassed member will not be restored.

The source data set might be archived with a non-zero threshold value in the PDS Anomaly Table.

If the source data set was not archived by PDS anomaly processing, contact SAMS:Disk Technical Support Center for assistance.

3637 **USER TTRN FOUND IN DIRECTORY ENTRY OF MEMBER (mmm) IN (nnn)**
USER TTRN NOT ALLOWED IN PDSE, MEMBER BYPASSED

Explanation: This message has two print lines. When restoring an archived PDS to a pre-allocated PDSE, SAMS:Disk found that member (mmm) in the archived PDS (nnn) has user pointer(s) in its directory entry. Processing continues but the bypassed member will not be restored.

Contact the SAMS:Disk technical support center for assistance if you are unable to determine that a user pointer exists.

3638 **MEMBER (mmm) IN (nnn) ALREADY EXISTS NOT REPLACED**

Explanation: When restoring an archived PDS to a pre-allocated PDSE, SAMS:Disk detected that the member indicated by (mmm) was found in both the source (archived PDS) and the target (pre-allocated PDSE - indicated by (nnn)). Processing of the archived data set continues, but the indicated member in the target data set will not be overlaid by the same named archived member.

To overlay the existing member in the target data set,specify the REPLACE parameter in RESTORE command.

3639 **DIRECTORY PROCESS ERROR FOR MEMBER (mmm) IN (nnn)**
RC=(ccc) RS=(sss)

Explanation: When restoring an archived PDS to a pre-allocated PDSE, SAMS:Disk encountered an error while processing directory entry of member (mmmm) in the pre-allocated PDSE (nnnn). Processing of this archive data set is terminated, but processing of other archive data sets will continue.

Refer to Hitachi manual regarding STOW return code (indicated by ccc) and reason code (indicated by sss).

3640 **(nnn) DIRECTORY UPDATE ERROR ON MEMBER (mmm) RC=(ccc)**
RS=(sss)

Explanation: When restoring an archived PDS to a pre-allocated PDSE, SAMS:Disk encountered an error while updating directory entry of member (mmmm) in the pre-allocated PDSE (nnnn). Processing of this archive data set is terminated, but processing of other archive data sets will continue.

Refer to Hitachi manual regarding return code (ccc) and reason code (sss) of STOW with option R.

3641 **DATA BLOCK LENGTH OF (aaa) EXCEEDS DEVICE TRACK SIZE OF (bbb) (nnn) CANNOT BE RESTORED TO VOL=(vvv)**

Explanation: When restoring an archived PDS to a pre-allocated PDSE, SAMS:Disk detected that the block size (aaa) of the archived PDS (nnn) is greater than the track capacity (bbb) of the target volume (vvv). Processing of this archive data set is terminated, but processing of other archive data sets will continue.

One of the following actions should resolve the problem:

- Restore the archived PDS to another pre-allocated PDSE which resides on a larger device.
- Move the pre-allocated PDSE to a larger device and rerun the restore job.

3642 **(aaa) MEMBERS IN (nnn) ALREADY EXIST NOT REPLACED**

Explanation: During a restore of a archived PDS to a pre-allocated PDSE, SAMS:Disk issued this message to indicate the total number (aaa) of message 3638 issued against the pre-allocated PDSE (nnn).

Refer to message 3638 for detail.

3643 **(aaa) DISCONNECTED ALIASES IN (nnn) BYPASSED AND NOT RESTORED**

Explanation: During a restore of a archived PDS to a pre-allocated PDSE, SAMS:Disk issued this message to indicate the total number (aaa) of message 3636 issued against the archived PDS (nnn).

Refer to message 3636 for detail.

3644 **(aaa) MEMBERS WITH USER TTRN IN (nnn) BYPASSED AND NOT RESTORED**

Explanation: During a restore of a archived PDS to a pre-allocated PDSE, SAMS:Disk issued this message to indicate the total number (aaa) of message 3637 issued against the archived PDS (nnn).

Refer to message 3637 for detail.

3645 **(nnn) - NO MEMBER ADDED OR REPLACED**

Explanation: During a restore of archived PDS to a pre-allocated PDSE, SAMS:Disk issued this message to indicate no member has been restored from the archived PDS to the pre-allocated PDSE (nnn).

If the archived PDS is not an empty data set then at least one of the following message numbers should also be found in the report: 2132, 2138, or 3635 to 3644. Refer to these messages for detail.

3646 **USER TTRN FOUND IN DIRECTORY ENTRY OF MEMBER (mmm) IN (nnn) USER TTRN NOT ALLOWED IN PDSE, MEMBER BYPASSED**

Explanation: The message is exactly the same as message 3637 except this is for restoring from a non-EXCP archived PDS to a pre-allocated PDSE. Refer to message 3637 for further detail.

3647 **MEMBER (mmm) IN (nnn) ALREADY EXISTS NOT REPLACED**

Explanation: The message is exactly the same as message 3638 except this is for restoring from a non-EXCP archived PDS to a pre-allocated PDSE. Refer to message 3638 for further detail.

3648 **DIRECTORY PROCESS ERROR FOR MEMBER (mmm) IN (nnn) RC=(ccc) RS=(sss)**

Explanation: The message is exactly the same as message 3639 except this is for restoring from a non-EXCP archived PDS to a pre-allocated PDSE. Refer to message 3639 for further detail.

3649 **(aaa) MEMBERS IN (nnn) ALREADY EXIST AND NOT REPLACED**

Explanation: The message is exactly the same as message 3642 except this is for restoring from a non-EXCP archived PDS to a pre-allocated PDSE. Refer to message 3642 for further detail.

3650 **(aaa) MEMBERS WITH USER TTRN IN (nnn) BYPASSED AND NOT RESTORED**

Explanation: The message is exactly the same as message 3644 except this is for restoring from a non-EXCP archived PDS to a pre-allocated PDSE. Refer to message 3644 for further detail.

3651 **(nnn) NO MEMBER ADDED OR REPLACED**

Explanation: This message is exactly the same as message 3645 except this is for restoring from a non-EXCP archived PDS to a pre-allocated PDSE.

If the archived PDS is not an empty data set then at least one of the following message numbers should also be found in the report: 2132, 2138, or 3646 to 3650. Refer to these messages for further detail.

3652 **USER TTRN FOUND IN DIRECTORY ENTRY OF MEMBER (mmm) IN (nnn)**

Explanation: During a copy or a move of a PDS to a pre-allocated PDSE, SAMS:Disk found the member (mmm) in the source PDS (nnn) has user pointer(s) in its directory entry.

Message 3653 or 3654 will follow this message. Please refer to them for further detail.

3653 **USER TTRN NOT ALLOWED IN PDSE, MEMBER BYPASSED**

Explanation: When this message follows message 3652, SAMS:Disk COPY function determined to bypass the member. Processing for the source data set continues. Refer to message 3652 for member name and source data set name.

One of the following actions should resolve the problem:

- Copy to pre-allocated PDS (instead of PDSE).
- Clear user TTRN(s) in directory entry of the member then run COPY (to PDSE) job again.

3654 **USER TTRN NOT ALLOWED IN PDSE, MOVE TERMINATED**

Explanation: When this message follows message 3652, SAMS:Disk MOVE function determined to terminate processing. Refer to message 3652 for member name and source data set name.

One of the following actions should resolve the problem:

- MOVE to pre-allocated PDS (instead of PDSE).
- Clear user TTRN(s) in directory entry of the member then run MOVE (to PDSE) job again.

3655 **MEMBER (mmm) IN (nnn) BYPASSED, DISCONNECTED ALIAS NOT ALLOWED IN PDSE**

Explanation: When copying a PDS to a pre-allocated PDSE, SAMS:Disk detected that the member (mmm) is a disconnected alias in the source PDS (nnn). Processing continues but the bypassed member will not be copied.

To eliminate this problem, copy to a pre-allocated PDS.

3656 **MEMBER (mmm) IN (nnn) IS A DISCONNECTED ALIAS**

Explanation: During a move of a PDS to a pre-allocated PDSE, SAMS:Disk found the member (mmm) in the source PDS (nnn) is a disconnected alias.

Message 3658 will follow this message. Please refer to it for further detail.

3657 **(aaa) DISCONNECTED ALIASES IN (nnn) BYPASSED AND NOT COPIED**

Explanation: During a copy of a PDS to a pre-allocated PDSE, SAMS:Disk issued this message to indicate the total number (aaaa) of message 3655 issued against the source PDS (nnnn).

Refer to message 3655 for further detail.

3658 **(aaa) DISCONNECTED ALIASES IN (nnn), MOVE TERMINATED**

Explanation: During a move of a PDS to a pre-allocated PDSE, SAMS:Disk issued this message to indicate the total number (aaa) of message 3656 issued against the source PDS (nnn). Move process terminated.

Refer to message 3656 for further detail.

3659 **(aaa) MEMBERS WITH USER TTRN IN (nnn) BYPASSED AND NOT COPIED**

Explanation: During a copy of a PDS to a pre-allocated PDSE, SAMS:Disk issued this message to indicate the total number (aaa) of message 3653 issued against the pre-allocated PDSE (nnn).

Refer to message 3653 for further detail.

3660 MEMBER (mmm) IN (nnn) SELECTED

Explanation: When restoring an archived PDS to a pre-allocated PDSE, SAMS:Disk issued this informational message to indicate that the member (mmm) in the archived PDS (nnn) was selected by the criteria in the MEMBER parameter of the RESTORE command.

3661 (aaa) MEMBERS IN (nnn) SELECTED

Explanation: When restoring an archived PDS to a pre-allocated PDSE, SAMS:Disk issued this informational message to indicate the total number (aaa) of message 3660 issued against the archived PDS (nnn).

Refer to message 3660 for further detail.

3662 (ddd) F1DSCB RETRIEVE FAILED

Explanation: During restore processing, SAMS:Disk attempted to read the Format-1 DSCB of the target data set (ddd) but failed.Processing for this archive data set is terminated, but processing of other archive data sets will continue.

If unable to determine the cause of this message, contact the SAMS:Disk Technical Support Center for assistance. The label and catalog information for the archive data set and the target data set will be needed to determine the cause of failure.

3663 PDSE DIRECTORY INITIALIZATION FAILED FOR (ddd)
RC=(ccc)
RS=(sss)

Explanation: During restoring to PDSE, SAMS:Disk encountered an error while initializing target data set (ddd) directory. Processing of this archive data set is terminated, but processing of other archive data sets will continue.

Refer to the Hitachi manual regarding STOW (with option I) return code (ccc) and reason code (sss).

3664 AIX (ddd) BYPASSED FOR EXPIRE PROCESSING

Explanation: An AIX by the name of (ddd) was encountered during EXPIRE processing before its associated Cluster. EXPIRE does NOT process AIXs as separate data sets.

Processing will continue and no further action is required. If deletion of the AIX separately is required, this can be done with the DELETE function.

3673 DATA SET (ddd) HAS NEVER-EXPIRE DATE. BYPASSED FOR EXPIRE PROCESSING

Explanation: SAMS:Disk will not expire data sets with Expiration dates of 99365, 99366, 99000, or 99999. These are considered never-expire dates and will be bypassed from EXPIRE processing.

3674 MODESET CMD DID NOT SPECIFY MIGSMSDS DSN= (ddd) ON VOL=(vvv) IS SMS MANAGED - DATA SET NOT MIGRATED

Explanation: The SMS managed data set (ddd) on volume (vvv) was rejected for migration from DASD to tape because the MIGSMSDS parameter was not specified on the MODESET command. Specify the MIGSMSDS parameter and resubmit the job.

3675 MODESET CMD SPECIFIED MIGSMSDS . DSN= (ddd) ON VOL= (vvv) IS NOT SMS MANAGED - DATA SET NOT MIGRATED

Explanation: The data set (ddd) on volume (vvv) was rejected for migration from DASD to tape because it is not SMS managed but the MIGSMSDS parameter was specified on the MODESET command. Remove the MIGSMSDS parameter and resubmit the job.

3676 REQUESTOR NOT AUTHORIZED TO PROCESS SMS CONTROLLED DATA SETS

Explanation: An attempt to process SMS controlled data sets without authorization was detected. The MODESET command "MIGSMSDS" was specified but the requestor does not have SMS Storage Administrator Authority which is required in order to migrate SMS controlled data sets with Sequential Migrate.

See you SMS administrator to obtain the required SMS Storage Administrator authority and resubmit the job.

3677 **DD VOLUME ALLOCATION FOR (vvvvvv) FAILED, DELETE NVR FOR SMS DSN=(ddd) BYPASSED**

Explanation: While attempting to expire an uncataloged SMS data set, volume allocation failed for the volume (vvvvvv) on which the data set (ddd) resided so the expire action was bypassed. Make sure the volume specified exists and is online.

3678 **DELETE NVR FOR DSN=(ddd) ON VOLUME=(vvvvvv) FAILED**

Explanation: An attempt was made to expire an uncataloged SMS data set (ddd) on a specific volume (vvvvvv) failed since the catalog action DELETE NVR could not find a VVDS record and/or a VTOC entry.

3681 **NVMUT002 ERROR IN INSTALL. RETURN CODE = (ccc)**

Explanation: An error occurred during an attempt to install the SAMS:Disk IGGDASU2 User Exit. Return code (ccc) is from the program performing the installation.

This message represents a "should not occur" situation. If you are unable to determine the problem, contact the SAMS:Disk technical support center for assistance.

3682 **NVMUT002 ERROR IN REMOVE. RETURN CODE = (ccc)**

Explanation: An error occurred during an attempt to remove the SAMS:Disk IGGDASU2 User Exit. Return code (ccc) is from the program actually performing the installation.

This message represents a "should not occur" situation. If you are unable to determine the problem, contact the SAMS:Disk technical support center for assistance.

3683 **INVALID PARM= SPECIFIED, USE PARM=I OR PARM=R.**

Explanation: An incorrect PARM= value was specified on the EXEC statement for the program ADSDASIN, the User Exit installation/removal program. This message is generated by the program doing the installation or removal of the SAMS:Disk IGGDASU2 User Exit.

Specify PARM=I to install the User Exit, or PARM=R to remove the User Exit.

3684 CANNOT OPEN STEPLIB.

Explanation: The program attempted to open the STEPLIB DD file so that a LOAD could be issued for the User Exit IGGDASU2, but the file failed to open properly. This message is generated by the program doing the installation or removal of the SAMS:Disk ADSDASU2 User Exit.

Assure that the STEPLIB DD statement is allocated properly and available to the program, and resubmit the job.

3685 CANNOT FIND ADSDASU2 IN STEPLIB.

Explanation: The program attempted to LOAD ADSDASU2 from the STEPLIB allocated, but the member was not in any library concatenated to the STEPLIB DD statement.This message is generated by the program doing the installation or removal of the SAMS:Disk IGGDASU2 User Exit.

Assure that the STEPLIB DD statement is allocated properly and pointing to the proper library, and resubmit the job.

3686 CANNOT GET MEMORY TO LOAD ADSDASU2 INTO CSA.

Explanation: The program attempted to obtain storage in CSA to LOAD the SAMS:Disk User Exit ADSDASU2, but the GETMAIN request failed. This message is generated by the program doing the installation or removal of the SAMS:Disk IGGDASU2 User Exit.

This message represents a "should never happen" situation, since the storage required for the User Exit is minimal. If you are unable to resolve the problem, contact the SAMS:Disk technical support center for assistance.

3687 CANNOT LOAD ADSDASU2 INTO CSA. FREEING CSA STORAGE.

Explanation: The program attempted to LOAD the User Exit into CSA storage, but the LOAD macro failed. This message is generated by the program doing the installation or removal of the SAMS:Disk IGGDASU2 User Exit.

This problem should not occur. Check the JCL to assure that the STEPLIB library is allocated properly and that ADSDASU2 is in that library. If the problem persists, contact the SAMS:Disk technical support center for assistance.

3688 IGGDADSM LOAD ERROR R15 = (rrr) r1 = (sss)

Explanation: The program attempted to LOAD IGGDADSM to obtain the load point for this system load module, but the LOAD macro failed with the indicated return code. This message is generated by the program doing the installation or removal of the SAMS:Disk IGGDASU2 User Exit.

This problem should not occur. Check the return code for a LOAD macro. If you are unable to resolve the problem, contact the SAMS:Disk technical support center for assistance.

3689 CANNOT FIND IGGDASU2 IN IGGDADSM ADDR(xx) LEN(XX)

Explanation: The program attempted to locate IGGDASU2 CSECT in load module IGGDADSM but was unable to find the CSECT. This message is generated by the program doing the installation or removal of the SAMS:Disk IGGDASU2 User Exit.

This problem may occur if there is a version of IGGDASU2 that is currently unexpected and unaccounted for in load module IGGDADSM. Obtain a printed copy of CSECT IGGDASU2 using an IMASPZAP DUMP command and contact the SAMS:Disk technical support center for assistance.

3690 ADSDASU2 ROUTINE INSTALLATION COMPLETE.

Explanation: This in an informational message indicating the successful installation of the SAMS:Disk User Exit. This message is generated by the program doing the installation of the SAMS:Disk IGGDASU2 User Exit.

3691 ADSDASU2 STORAGE ACQUIRED AR ADDRESS xxx, LENGTH xxx

Explanation: This is an informational message printed during the installation of the SAMS:Disk User Exit. There is a corresponding message printed during the removal process that displays the address of CSA storage being freed. These two addresses should be the same.

3692 ADSDASU2 ROUTINE REMOVAL COMPLETE.

Explanation: This in an informational message indicating the successful removal of the SAMS:Disk User Exit. This message is generated by the program doing the removal of the SAMS:Disk IGGDASU2 User Exit.

3693 **ADSDASU2 FREEMAIN OF CSA STORAGE = xx, LENGTH = xx**

Explanation: This informational message is printed during the removal of the SAMS:Disk User Exit. There is a corresponding message printed during the installation process that displays the address of CSA storage acquired. These two addresses should be the same.

3694 **SMS GDG (newddd) NOT RENAMED BACK TO ORIGINAL NAME SMS GDG (oldddd) WAS IN DEFERRED-ROLLIN OR ROLLED-OFF STATUS**

Explanation: A SMS GDG (oldddd) that was in a Deferred-rollin or Rolled-off status was in the process of being moved but failed, issuing an error message 0400. The GDG is then left in a non-GDG state under the generated name (newddd).

3695 **(ddd) ALLOCATED TO PDS (NOT PDSE)**

Explanation: SAMS:Disk issues this informational message when all of the following conditions occur:

- SMSALLOCN is specified in SYSPARMS
- PDSECONV parameter is specified in command
- Source data set organization is PDSE
- Target data set name is not eligible to be SMS-managed.

Instead of a PDSE, SAMS:Disk allocates a PDS for the target data set (indicated by dsn).

3696 **COMMAND REJECTED : THE MERGE PARAMETER CANNOT BE SPECIFIED WITHOUT THE PREALLOC PARAMETER**

Explanation: Both MERGE and PREALLOC parameters must be specified at the same time on the Move/Copy commands.

Correct the command statement in error and resubmit the job.

3697 **COMMAND REJECTED : THE MERGE PARAMETER CANNOT BE SPECIFIED WITHOUT THE PREALLOC PARAMETER**

Explanation: Both MERGE and PREALLOC parameters must be specified at the same time on the DSCL MOVE or COPY Commands.

Correct the command statement in error and resubmit the job.

3699 **Multiple IXMAINT executions are trying to update or delete the same record(s).**

Explanation: Either two IXMAINT jobs are executing in SHARE mode and deleting/updating the same data or RESTORE is deleting an ARCHIVE DSNINDEX entry after restoring the data set. If there are two IXMAINT jobs executing, duplicate work is being done and your production jobs should be changed. This is an informational message only.

3703 **DASDPOOL PARMLIB MEMBER IS NOT PRESENT**

Explanation: The name of the DASDPOOL parmlib member specified on the POOL= parameter does not exist.

3704 **USERID conversion for DMSAR failed, DS091 RC=xxxxxxxx**

Explanation: As a result of your setting SYSPARM ARSECURE to a value of ’Y’, DMSAR has attempted to switch to the USERID and GROUP of the DMSAR requestor. This switch has failed. Please contact customer support if you encounter this error.

3705 **ATTEMPT TO CATALOG GDG SPHERE PLACE HOLDER FAILED FOR GDG VERSION = (ddd) CAMLST RC = (nn)**

Explanation: The CAMLST catalog of the temporary GDG sphere "place holder" for GDG data set (ddd) was unsuccessful for CAMLST return code (nn). Check your catalog to be sure no GDG versions were unintentionally rolled-off as a result of the above failure.

3706 **DEFAULT POOL = (ppp) IS NOW BEING PROCESSED**

Explanation: If a restore allocation fails (VOL= and POOL= not used) and sysparm DFLTPOOL contains a default pool name (ppp), the allocation is re-directed to the default pool name specified. Informational message only.

3707 **PREALLOCATED SMS MULTI-VOLUME DATA SET (ddd) WILL NOT BE OVERLAID. SYSPARM PREALLOC SETTING OF 'Y' IS IGNORED.**

Explanation: The restore action of an SMS non-VSAM multi-volume data set will not be allowed when the SMS non-VSAM multi-volume data set already exists.

3708 **SPECIFIED POOL = (ppp) DOES NOT CONTAIN ANY VOLUMES**

Explanation: The DASDPOOL member specified on the POOL= parameter does not contain any members.

3711 **INCHG TEXT UNIT REQUIRES AUTHORIZATION FOR SVC 99 CALL. TEXT UNIT BYPASSED.**

Explanation: The text unit INCHG requires the program execute authorized. If it is necessary to use this text for DFSMS control, re-run the job from an authorized load library. See your Hitachi manual for Dynamic Allocation and SVC 99 functions for further information.

3712 **INCHG TEXT UNIT REQUIRES ESA 4.3 OR HIGHER. TEXT UNIT BYPASSED.**

Explanation: The text unit INCHG requires the program execute on MVS/ESA 4.3 or higher. If it is necessary to use this text for DFSMS control, re-run the job on an ESA 4.3 and above system. See your Hitachi manual for Dynamic Allocation and SVC 99 functions for further information.

3713 **DATA SET (ddd) IS CURRENTLY CATALOGED TO VOLSER = (vvv). RESTORE IS BYPASSED**

Explanation: During the deferred restore process, the data set (ddd) was cataloged to ARCIVE and the SYSCTLG parameter was specified. The DISPOSE process detects the catalog change from ARCIVE for data set (ddd), and bypasses the restore request.

3715 **DSN (ddd) WAS IN USE BUT DMSNOENQ WAS SUPPLIED**

Explanation: A data set (ddd) that was in use was backed up because the user exit USERSENQ was supplied with DMSNOENQ.

3717 SAMS:Allocate NOT INSTALLED

Explanation: The user has requested to use the SAMS:Allocate product via the VAMPOOL parameter. During execution of the #VAMSRVD macro which executes the SAMS:Allocate programming interface, a return code of X'16' was received. This denotes that the SAMS:Allocate product is currently not active on the system in any supported release.

3718 SAMS:Allocate INTERNAL ERROR

Explanation: The user has requested to use the SAMS:Allocate product via the VAMPOOL parameter. During execution of the #VAMSRVD macro which executes the SAMS:Allocate programming interface, a return code greater than X'0' was received. This denotes a serious problem with the Control Blocks which are managed between SAMS:Disk and SAMS:Allocate. If this message is received, execute a trace of module ADSST060 and contact Technical Support.

3719 SAMS:Allocate PROCESSING ENDED, ONLY THE QUOTA PRODUCT WAS FOUND

Explanation: The user has requested to use the SAMS:Allocate product via the VAMPOOL parameter. During execution of the #VAMSRVD macro which executes the SAMS:Allocate programming interface, the VAMRLSE parameter discovered that the site only has support for the Quota portion of SAMS:Allocate. The SAMS:Disk interface cannot be supported when the Quota facility is the only SAMS:Allocate function available.

3720 OBTAIN FAILURE ON VOLUME = (vvv) RC = (ccc). DATA SET = (ddd) WILL BY BYPASSED

Explanation: The OBTAIN macro was issued to get the VTOC entry for data set (ddd) on volume (vvv). System OBTAIN processing returned error code (ccc).

3721 UNABLE TO OPEN THE RECON DATA SET

Explanation: The specified IMS RECON data set is unable to be opened by SAMS:Disk. Processing ends.

3722 **RECON DATA SET IN USE BY ANOTHER TASK, CUSTOMER REQUESTED TO NOT WAIT FOR ENQUEUE VIA USERMODC**

Explanation: The IMS RECON data set is in use by another user of the system, and the user, via USERMODC in the INSTALL library, has specified that they do NOT wish to wait for the enqueue to complete successfully. No action necessary for this error. Resubmit the job when the IMS RECON data set is free.

3724 **VSAM WILL GENERATE COMPONENT NAMES - nnn**

Explanation: SAMS:Disk did not generate the cluster's newname during a COPY operation because the original base cluster had VSAM generated component names and the sysparms VSDATSUF, VSINXSUF, and VSAPPEND were all set to their default values. The message will contain the newname cluster's name; indicated by nnn in the message text above.

Should you desire SAMS:Disk to generate the component names for the INDEX and/or DATA components, specify a value of one to eight characters on the sysparms VSDATSUF for the data component and/or one to eight characters on the sysparm VSINXSUF for the index component or specify a value of Y to sysparm VSAPPEND and let the values of VSDATSUF and VSINXSUF default. This will result in DATA and INDEX being appended to the VSAM generated component name.

3729 DSNAME=(ddd) NOT [CATALOGED|ROLLED IN] - reason

Explanation: This message is issued when a GDS cannot be cataloged (non-SMS) or rolled in (SMS) after MOVE, COPY, RESTORE, RECOVER, or IXCATLG. When issued, the data set will remain uncataloged (for non-SMS) or DEFERRED (for SMS). One of the following reasons will be given:

ERROR RETRIEVING SPHERE

Explanation: SAMS:Disk encountered an error when trying to retrieve the catalog information for the GDG. The catalog error code will be given in message 2546.

SPHERE IS FULL

Explanation: After checking the GDG information, it was determined that cataloging/rolling in the data set would cause another entry to be rolled-off. The user will need to determine whether to manually catalog/rollin the data set, or leave it uncataloged/deferred.

ORIGINAL STATUS WAS NOT ACTIVE

Explanation: The last known status for the data set was ROLLED-OFF or DEFERRED, so the entry was not rolled-in. The original status will apply to renamed data sets as well.

For MOVE and COPY, the original status is based upon the catalog entry prior to the MOVE/COPY operation. For RESTORE and RECOVER, the catalog status at the time of the restore will be considered as the original status, if it is available (such as for pre-allocated data sets).

If there is no entry in the catalog, or there is no status information, the status at the time of the backup/archive will be used. If the original status cannot be determined, it will be assumed to be ACTIVE.

This reason code is issued for SMS GDS's only.

GDGCATEX SAYS BYPASS
GDGCATEX RETURN CODE = nnn

Explanation: The User Exit GDGCATEX was active and returned a result greater than zero. Return Code nnn indicates a catalog action should be bypassed. Consult whoever is responsible for maintaining this exit at your installation to determine what (nnn) means.

3730 SUBFILE=aaaaaa DETECTED IN OVERFLOW BLOCKS

Explanation: If it is determined that the size of the subfile is too small, an UNLOAD of the FILES data set followed by a reinitialization increasing the size of the subfile, followed by a RELOAD will correct the problem. If the size of the subfile is adequate, a REORG of the FILES data set will correct the problem.

3731 (TO)VOLUME AND POOL ARE MUTUALLY EXCLUSIVE. CORRECT THE COMMAND AND RESUBMIT.

Explanation: For Restore or Recover, use either the POOL= parameter or the VOLUME= (TOVOLUME for Recover) parameter to specify the target volume. When both are specified, SAMS:Disk can not determine which parameter should take precedence, so the command is rejected with RC=16.

3734 DSN=<dsname> WOULD BE ASSIGNED TO SMS STORCLAS=<storclass> DURING MOVE/COPY STORCLAS=<storclass> HAS THE GUARANTEED SPACE ATTRIBUTE DSN=<dsname> BYPASSED FOR MOVE/COPY BECAUSE IT WAS NOT SELECTED WITH A DSCL COMMAND

Explanation: VSAM SMS Guaranteed Space data sets must be selected with an explicit FIND command. Any other selection method (i.e., implicit FIND or any SCAN command) will be rejected and assigned this message. For best results, the NEWVOLUMES parameter must always be coded when doing a MOVE or COPY with VSAM SMS Guaranteed Space data sets.

3741 SMS DATA SET = ddddd ON VOL = vvvvvv NOT COMPRESSED. CATALOG INFORMATION NOT AVAILABLE. SPECIFY USE PARAMETER TO PROCESS THIS DATA SET.

Explanation: This message is issued during compress processing for an SMS PDS when it is not cataloged, or a catalog error is encountered. If there is a catalog error, an JSC0009I-S message is issued showing the catalog return code.

If you wish to process this PDS you may either catalog it, or specify the USE parameter to compress it in place.

3742 **ATTEMPT TO FREE VOLSER=(vvvvvv) FAILED. VOLSER NOT FOUND IN ALLOCATED VOLUMES TABLE. IGNORING ERROR AND CONTINUING.**

Explanation: This is an internal program logic error. The volume serial number to be deallocated by ADSFH112 was not found in the VOLSER table and was not previously allocated. The situation was ignored by ADSFH112. The SAMS:Disk operation in-progress when the error occurred should not have been affected. However, you should report the error to Technical Support.

3743 **ATTEMPT TO FREE VOLSER=(vvvvvv) FAILED. VOLSER FOUND IN TABLE BUT USE COUNT IS ALREADY ZERO. IGNORING ERROR AND CONTINUING.**

Explanation: This is an internal program logic error. The volume serial number to be deallocated by ADSFH112 was found in the VOLSER table with a use count of zero and was not previously allocated. The situation was ignored by ADSFH112. The SAMS:Disk operation in-progress when the error occurred should not have been affected. However, you should report the error to Technical Support.

3744 **RESTORE CANCELLED FOR AIX=<aixname> BECAUSE DATA SET ALREADY EXISTS. PRE-DEFINE IS NOT PERMITTED FOR AIXES.**

Explanation: The alternate index you are restoring is already defined. This is not permitted for alternate indexes and the restore was cancelled. You can prevent this error by coding the SCRATCH parameter in the DSCL or by deleting the data set before rerunning the restore.

3745 **MEMBER (mmm) IN (ddd) RESTORED TO (eee)**

Explanation: This informational message indicates the member name (mmm) of each member restored from source data set (ddd) into the target data set (eee).

3747 **(nnn) MEMBERS RESTORED TO (ddd)**

Explanation: This informational message indicates how many members (nnn) were restored into the target data set (ddd).

3748 **DATA SET BYPASSED DUE TO VTOC READ ERROR. DSN=(ddd)**

Explanation: An error occurred while reading VTOC information for the indicated data set, and the data set was bypassed. Verify the accuracy of the DSCB information before proceeding.

3749 **PRE-RESTORE SCRATCH FAILED**

Explanation: During the restore of a data set where the SCRATCH parameter was specified, the data set scratch operation failed. This error can occur in various circumstances: (i.e., security, I/O error, etc.)

3750 **<dsname> is PREDEFINED. PREDEFINED CLUSTERS NOT PERMITTED BECAUSE VSPREDEF SYSPARM HAS VALUE "N". RESTORE TERMINATED.**

<dsname> IS PREDEFINED. PREDEFINED CLUSTERS NOT PERMITTED FOR AUTORESTORE. RESTORE TERMINATED.

Explanation The data set with name <dsname> is being restored and is predefined. This is not permitted for the indicated reason. The RESTORE operation is terminated.

3751 **NO REPORT RECORD WRITTEN FOR DSNAME dsn ON VOLUME volser**

Explanation: This message can be issued for the MVDICT, SVDICT or DSUTIL reports when processing a multi-volume data set using a SCAN CATALOGS or FIND command. SAMS:Disk attempts to report on all volumes in the catalog for each data set.

One of the following reasons will be given:

VOLUME IS NOT AVAILABLE
An attempt was made to retrieve volume information, but the volume was not found. The volume may be a candidate volume for the data set, and therefore may not currently be available.

FORMAT1 NOT FOUND ON VOLUME
SAMS:Disk was unable to find the FMT1 DSCB for the data set on the specified volume. The volume may be a candidate volume for the data set, or, due to a prior command (i.e., MOVE or ARCHIVE), the data set has been removed from the volume within the same SCAN/SELECT environment.

3752 **AUTO RESTORE REQUEST BY (jjj) IS PASSED TO THE SUBSYSTEM FOR DSN = (ddd)**

Explanation: When the SAMS:Vantage Auto Restore Manager (ARM) is "active", this informational message containing the data set (ddd) and jobname (jjj) will be issued for each auto restore request passed to ARM.

3754 **A SUBSYSTEM RECALL REQUEST FOR DSN = (ddd) IS IN PROGRESS FOR JOBNAME = (jjj)**

Explanation: When the SAMS:Vantage Auto Restore Manager (ARM) is "active", this informational message informs the PRIMARY requester that a DMSAR STC has begun for (ddd) and jobname (jjj). All secondary requesters of the same data set are automatically handled by ARM.

3755 **DO YOU WANT TO WAIT (Y/N) ?**

Explanation: This message allows the TSS user another option in the wait process in instances where another task is restoring the data set. Prior to receiving this message, an informational message will be issued with the following consideration:

```
==> A WAIT RESPONSE WILL SUSPEND YOUR SESSION <==
```

Review USERMOD8 in the *Installation Guide* for customization options.

3757 **(ddd) IS CATALOGED TO TAPE VOLUME = (vvvvvv). RESTORE OF DATA SET IS BYPASSED.**

Explanation: Please review message 0476 for explanation.

3758 **(ddd) IS CATALOGED TO VOLUME = vvvvvv. RESTORE OF DATA SET IS BYPASSED.**

Explanation: Please review message 0476 for explanation.

3759 **(ddd) IS NOT CATALOGED. RESTORE OF DATA SET IS BYPASSED.**

Explanation: Please review message 0476 for explanation.

3760 **ORIGINAL GDG STATUS INFORMATION NOT FOUND FOR DSN (ddd)**

Explanation: A GDS is being restored or recovered, but the catalog status information was not in the DSNINDEX record. The GDG status information is used to determine whether an SMS GDS should be rolled-in, or remain in deferred status.

If the original status was DEFERRED or ROLLED-OFF, it will normally remain in DEFERRED status and M3729 will be issued with a RC of 2 from the job step. This return code alerts the user to perform any necessary catalog action. User Exit GDGCATEX can also be used to force the catalog action, if desired.

When this message is issued, the GDG status will default to ACTIVE for (ddd), since the original status is unknown.

3761 **ERROR DELETING RECORD = (ddd) IN ARCHCMDS SUBFILE**

Explanation: Archive Dispose function encountered an error while processing the expired entry (ddd). Chaining errors in your files data set may exist, possibly only in the ARCHCMDS subfile.

Ensure there are no pending queued archive commands by issuing the LISTREQ command. Execute a files data set STATUS Report as documented in the *System's Guide*. On the STATUS Report, verify that the column Overflow Blocks is zero for all subfiles. If overflow blocks exist, increase the number of indexing blocks in the FILEDEFN member of PARMLIB, and REORG the files data set. If problems occur during the REORG process, UNLOAD all subfiles except for ARCHCMDS, then reinitialize a new ARCHCMDS by issuing a RELOAD.

3771 **TAPEPULL=GENERATE, FORCING SIMULATE MODE.**

Explanation: This is an informational message. The XCOPY command specified the parameter TAPEPULL=GEN, but a SET MODE=SIMULATE was not found in the command stream. Since the TAPEPULL=GEN does not make sense for non-simulate process, the simulate flag is being forced on.

3772 **TAPEPULL=USE NOT ALLOWED WITH SIMULATE MODE.**

Explanation: The parameter TAPEPULL=USE was specified on the XCOPY command, but a SET MODE=SIMULATE was also found in the command stream. These two parameters are mutually exclusive. This message is accompanied with a user ABEND 200.

3773 **NO VALID XCOPY COMMANDS ENTERED, JOB ABORTED.**

Explanation: An XCOPY job was submitted, but no valid XCOPY commands were found in the command stream. Fix the command and resubmit the job.

3774 **CREDT= AND DAYSOLD= MAY NOT BOTH BE SPECIFIED ON THE SAME XCOPY COMMAND**

Explanation: When CREDT= is specified on the XCOPY command, only ARCHVOL records with a creation date less than or equal to the this value will be selected for processing. Similarly, when DAYSOLD= is specified, the number of days on the command is subtracted from the current date (or the alternate date specified), and only those ARCHVOL records with a creation date less than or equal to the resultant date will be selected.

The intent is to give the user two ways of arriving at a date to compare against the ARCHVOLS creation date. It is invalid to specify both parameters on the same XCOPY command.

3775 **FCREDT= AND FDAYSOLD= MAY NOT BOTH BE SPECIFIED ON THE SAME XCOPY COMMAND**

Explanation: When FCREDT= is specified on the XCOPY command, only ARCHVOL records with a creation date greater than or equal to this value will be selected for processing. Similarly, when FDAYSOLD= is specified, the number of days on the command is subtracted from the current date (or the alternate date specified), and only those ARCHVOL records with a creation date greater than or equal to the resultant date will be selected.

The intent is to give the user two ways of arriving at a date to compare against the ARCHVOLS creation date. It is invalid to specify both parameters on the same XCOPY command.

3776 **NO ARCHIVES SELECTED FOR ARCHIVED DATA SET XCOPY.**

Explanation: This is an informational message. During the processing of the XCOPY command, no ARCHVOL records were found that satisfy the selection criteria specified. Check for validity of the XCOPY and SELECT commands, or it could be due to the XCPARCEX user exit processing.

3777 **EXPDT= AND RETPD= MAY NOT BOTH BE SPECIFIED ON THE SAME XCOPY COMMAND**

Explanation: The EXPDT parameter is provided to allow the user to specify the expiration date for DSNINDEX records written to the output files data set. The RETPD is also a means by which the user may specify an expiration date for data sets copied via the XCOPY process. As such, only one of these parameters may be specified on a given XCOPY command.

3778 **ARCHVOLS RECORD ARCKEY (kkk) SELECTED, FOR XCOPY PROCESSING IS MARKED AS OPEN, THEREFORE, THIS RECORD IS BEING BYPASSED**

Explanation: The specified archive data set was selected either explicitly or implicity for XCOPY processing. When the ARCHVOLS record was examined, it was found that the record was still marked as open. To preserve integrity, this archive data set is being bypassed.

3779 **EMPTY TAPEPULL LIST NO VOLUMES SELECTED**

Explanation: This is an informational message. The command parameter TAPEPULL=USE was specified. During ARCHVOLS selection processing, it was found that no ARCHVOLS from the list are to be selected. A RC=4 is returned by XCOPY.

3780 **UNSUPPORTED DEVICE TYPE (tttt) FOR ARCKEY= (kkk). TAPE BEING ASSUMED**

Explanation: The program ADSUT381 was called to determine the device class of the ARCHVOLS record to be processed. This program uses the UCB device type to determine the class of the device (i.e. DISK, TAPE, 6485). The program was unable to determine the proper device class to use. TAPE will be assumed.

3781 **XCOPY HAS PREVIOUSLY PROCESSED VOLUME ARCKEY= (kkk)**

Explanation: This is an informational message. XCOPY has selected the ARCHVOLS record for processing. But the flag in the ARCHVOLS record is on to indicate that XCOPY has previously processed the volume, and CHKFLAG was specified on the command line indicating that these ARCHVOLS should be bypassed.

3782 **OPEN FAILED FOR TMPFILE DD, ABORTING.**

Explanation: An attempt was made to open the TMPFILE DD during an XCOPY job, but the OPEN failed to open the data set. The TMPFILE DD is used to store copies of ARCHVOL and DSNINDEX records that need to be placed into the output files data set. Since only one files data set can be open at any given time, these records are stored on disk until all processing is completed before being written to the output files data set. Check the JCL and resubmit the job.

3783 **ARCHIVE VOLUME ARCKEY= (kkk) PROCESSED — (nnnn) DATA SETS COPIED**

Explanation: This is an informational message indicating that processing has completed for the ARCHVOL (kkk), and that there were (nnnn) data sets processed.

3784 **XCOPY TABLE OF NEWLY CREATED VOLUMES HAS BEEN EXCEEDED, CONTACT SAMS:DISK TECHNICAL SUPPORT**

Explanation: The XCOPY function keeps a table of all new ARCHVOLS created in storage for output to the MERGCOPY PROC in the event that the command parameter COPY has been specified. This table allows for a maximum of 1,000 ARCHVOLS in a single XCOPY run. This message indicates that the table has overflowed and processing can not continue. A user 100 Abend accompanies this message.

3788 **WARNING -- NO DATA SETS SELECTED FOR PROCESSING.**

Explanation: This is an informational message. During XCOPY processing it was determined that no data sets were selected. A RC=4 is generated.

3789 **VTOC INDEX WAS SUCCESSFULLY UPDATED ON (vvvvvv)**

Explanation: VRECOVER successfully restored indexed volume (vvvvvv) to a larger device type. The VTOCIX for volume (vvvvvv) was successfully rebuilt.

3790 **UPDATE OF VTOC INDEX FOR VOLUME (vvvvvv) ENDED WITH RC = (rc)**

Explanation: VRECOVER failed in an attempt to restore indexed volume (vvvvvv) to a larger device type. The VTOCIX for volume (vvvvvv) was not rebuilt.

The return code (rc) indicates one of the following failures:

Table 1-1. Return Code Definitions for M3790

Code	Definition
20	ICKDSF returned the value (rc)
24	Internal error
28	DDNAME not found
32	Unable to allocate ICKDSF SYSIN/SYSPRINT data sets
36	ICKDSF abended

3791 **A SAMS:DISK AUTO RESTORE TASK IS CURRENTLY RECALLING DSNAME= (ddd)**

Explanation: The data set (ddd) selected by a SAMS:Disk batch job is currently being recalled by another task. (ddd) has been bypassed.

3793 **A COMPRESSED ARCHIVE RECORD APPEARS TO HAVE A NEGATIVE LENGTH — DECOMPRESS FAILED**

Explanation: During decompression, SAMS:Disk encountered a DSNINDEX record with an incorrect record length. This condition may be indicative of a bad tape ARCHVOL, a bad disk ARCHVOL, or a hardware error.

If a duplex copy (ARCCNAME) is available, DISABLE the primary ARCHVOL and re-submit the job. If this fails, execute the Tape Analysis Utility (documented in the *Systems Guide*) using the original ARCHVOL as input. If this fails, executing the Archive Fix Utility (documented in the *Systems Guide*) may correct the problem.

3794 **SYSPARM ARCTNAME WAS INCORRECTLY SPECIFIED WITH A VALUE OF "U" IN MERGE. A VALUE OF "D" WAS FORCED TO ENSURE THAT THE SAME DSNAME WAS NOT MOUNTED TWICE.**

SYSPARM ARCTNAME WAS INCORRECTLY SPECIFIED WITH A VALUE OF "U" IN (backup or archive) PROCESSING WHEN ARC0NAME AND ARCCNAME SYSPARMS WERE BOTH SET TO THE SAME VALUE — ARCTNAME "D" FORCED

Explanation: These messages are issued during Merge when ARCTNAME is specified with a value of "U". This sysparm is valid only during Archive/Backup when either ARCCTYPE is set to "NULL", or when ARC0NAME and ARCCNAME are set to different values.

If either message is issued, SAMS:Disk forces the default value of "D" for ARCTNAME, which ensures a unique DSNAME will be created for each output archvol. This process avoids SVC99 errors that will occur when more than one tape is requested at the same time with identical DSNAMEs.

For more information, refer to the description of sysparm ARCTNAME in the *Systems Guide*.

3800 **DISPOSE FUNCTION COMPLETED FOR FILES DATASET ddd**

Explanation: This informational message indicates that all pending requests located in the either the RESTCMDS or ARCHCMDS subfiles in files data set *ddd* have been executed.

3801 **ENTRIES FOR VOL=(archvol) ALREADY EXIST**

Explanation: The archive tape volume (archvol) allocated for output already has existing DSNINDEX entries in the files data set. These old DSNINDEX entries must be removed using the PURGE command prior to reusing (archvol). An abend 200 is issued following this message during XCOPY processing.

Refer to the Files Data Set IXMAINT section of the *User's Guide* for information about the PURGE command.

3802 **ERROR: SET COMMAND IS NOT THE FIRST COMMAND IN THE INPUT STREAM**

Explanation: When using the FMS PROC, there can only be one SET command per SYSIN, and it must be the first command in the input stream. Processing is terminated with a command error.

3803 **ERROR: MULTIPLE SET COMMANDS FOUND IN INPUT STREAM. ONLY ONE IS ALLOWED.**

Explanation: FMS encountered a second SET command in the input stream. When using the FMS PROC, there can only be one SET command per SYSIN, and it must be the first command in the input stream. Processing is terminated with a command error.

3804 **MODE= PARAMETER IS INVALID. MUST BE: SIMULATE OR LIVE**

Explanation: An invalid specification was encountered during MODE= validation. Valid options are SIMULATE or LIVE. Processing is terminated with a command error.

3805 **GEN= PARAMETER IS INVALID. MUST BE: YES OR NO.**

Explanation: An invalid specification was encountered during GEN= validation. Valid options are YES or NO. Processing is terminated with a command error.

3806 **VTOCMSG= PARAMETER IS INVALID. MUST BE: YES OR NO.**

Explanation: An invalid specification was encountered during VTOCMSG= validation. Valid options are YES or NO. Processing is terminated with a command error.

3807 **MSGLEVEL= PARAMETER IS INVALID. MUST BE: 0 TO 9.**

Explanation: An invalid specification was encountered during MSGLEVEL= validation. Valid options are 0 to 9. Processing is terminated with a command error.

3808 **NO VALID SCAN TYPE SPECIFIED, COMMAND IGNORED**

Explanation: While validating the SCAN command, FMS encountered an invalid operand. Valid operand is DSNINDEX. Processing is terminated with a command error.

3809 **PASSWORD COMMAND MUST FOLLOW A SCAN COMMAND**

Explanation: While validating the PASSWORD command, FMS determined that a SCAN command had been omitted. The PASSWORD command requires a following SCAN command, and is only valid for the SCAN group in which it appears. Processing is terminated with a command error.

3810 **ONLY ONE PASSWORD COMMAND IS ALLOWED PER SCAN GROUP**

Explanation: While validating the PASSWORD command, FMS determined that a PASSWORD command had previously been specified for the current SCAN group. Only one PASSWORD command can be specified per SCAN group. Processing is terminated with a command error.

3811 **SELECT REQUIRES A PRECEDING SCAN COMMAND**

Explanation: While validating the SELECT command, FMS determined that a SCAN command had been omitted. The SELECT command requires a preceding SCAN command, and is only valid for the SCAN group in which it appears. Processing is terminated with a command error.

3812 **RECOVER REQUIRES A PRECEDING SCAN COMMAND.**

Explanation: While validating the RECOVER command, FMS determined that a SCAN command had been omitted. The RECOVER command requires a preceding SCAN command, and is only valid for the SCAN group in which it appears. Processing is terminated with a command error.

3813 **AIX= MUST SPECIFY YES, NODEFINE, OR DEFINEONLY**

Explanation: While validating the AIX= parameter of the RECOVER command, FMS encountered an invalid operand. Valid operands are: YES, NODEFINE, and DEFINEONLY. Processing is terminated with a command error.

3814 **DEFALIAS= MUST SPECIFY YES OR NO**

Explanation: While validating the DEFALIAS= parameter of the RECOVER command, FMS encountered an invalid operand. Valid operands are YES or NO. Processing is terminated with a command error.

3815 **EXPORTF= MUST SPECIFY YES OR NO**

Explanation: While validating the EXPORTF= parameter of the RECOVER command, FMS encountered an invalid operand. Valid operands are YES or NO. Processing is terminated with a command error.

3816 **NO SCAN COMMAND ENTERED, ABORTING**

Explanation: While validating the input stream, FMS determined that a SCAN command was omitted. Processing is terminated with a command error.

3817 **NO ACTION COMMANDS SPECIFIED FOR SCAN GROUP # (group#)**

Explanation: While validating the input stream, FMS determined that an action command was omitted for the current SCAN group. Processing is terminated with a command error.

3818 **SCAN GROUP # (group#) MULTIPLE ACTION COMMANDS ARE NOT ALLOWED AT THIS TIME**

Explanation: While validating the input stream, FMS encountered multiple action commands for the current SCAN group. Multiple action commands are not supported at this time. Processing is terminated with a command error.

3819 **SCAN GROUP # (group#) AT LEAST ONE SELECT COMMAND IS REQUIRED AND NOT SPECIFIED**

Explanation: While validating the input stream, FMS determined that a SELECT command was omitted for the current SCAN group. At least one SELECT command is required. Processing is terminated with a command error.

3820 **NO DSNINDEX RECORDS WERE SELECTED FOR PROCESSING**

Explanation: This informational message indicates that no data sets were selected for processing. For problem determination, use the SET MSGLEVEL=7 command. This will present diagnostic messages indicating why each data set was not selected.

3821 **TABLE=(table name) WAS NOT FOUND IN PARMLIB**

Explanation: While validating the TABLE= parameter on the current SELECT command, FMS could not find the table specified. Processing is terminated with a command error.

For problem determination:

1. verify that the proper PARMLIB data set is concatenated to the PARMLIB DD statement
2. verify that the table name is spelled correctly

3822 **THE FOLLOWING DATA SETS WERE NOT RESTORED FOR A VTOC BASED RECOVER OF VOLUME: (vtoc volser)**

DSN=(vtoc dsname)

Explanation: This informational message is issued when YES is specified to the VTOCMSGS= parameter on the SET command. The default is to not print these messages.

This message is printed for all data sets appearing in the VTOC, but not selected for recovery. This includes all data sets that failed to meet either the selection criteria test or the dsname test. Another possibility is that the data set was specifically excluded by an exclude table criteria.

3823 **INVALID FIELD NAME REQUESTED FIELDNAM = (fieldname)**

Explanation: While validating the CRITERIA statement, FMS encountered an unsupported criteria. Verify the spelling of the criteria. Processing is terminated with a command error.

3824 **ABSOLUTE VALUE SPECIFIED (fieldname) IN OPERAND (operand) OF CRITERIA PARAMETER MUST BE A NEGATIVE VALUE OR ZERO**

Explanation: While validating the CRITERIA statement, FMS encountered an invalid operand. The operand must be negative or zero. Processing is terminated with a command error.

3825 **DDNAME=dd**
ARCKEY=kkkkkk
DSNAME=ddd
DEVICE TYPE=(tttt,tttt)
CAPACITY=nnnMB
EST FOOTAGE=fff
#DATASETS=nnn
#BLOCKS=bbbb
OUTPUT=nnnMB
IDRC REDUCTION=nn% TO nnnMB
CARTFEET=nnn
UTILIZATION=nn%

Explanation: These are utilization statistics that SAMS:Disk displays as each output ARCHVOL is created. The actual message may contain any combination of these keywords, depending on the output device and/or its capability of compressing data.

As an example, the figure below is a sample MSGPRINT from a MERGE job:

```
ADSDM928 3825 DDNAME=ARCHIVE1 ARCKEY=810393 DSNAME=DISK.B83XXX.MERPRIM.DMSN.C1996060.T172421
ADSDM928 3825 DEVICE TYPE=(3480,CART) CAPACITY=208MB EST FOOTAGE=550
ADSDM928 3825 #DATASETS=181 #BLOCKS=6,390 OUTPUT=197MB IDRC REDUCTION=60% TO 80,384KB
ADSDM928 3825 CARTFEET=208 UTILIZATION=38%
```

3830 **NEWNAME PARM CAN ONLY BE USED FOR EXPLICIT FIND COMMANDS**

Explanation: The DSCL NEWNAME parameter can only be used on a FIND command that specifies an explicit data set name on the DSN= parameter. Each explicit FIND command must then be followed by an action command accompanied with an explicit NEWNAME parameter.

Details on *renaming backup DSNINDEX records* can be found on page 187, or for *archive records*, on page 192, both in the *User's Guide*.

3831 **COMMAND REJECTED: SUPPLIED PARAMETER NEWHLQ GENERATES AN INVALID DATASET NAME**

Explanation: During DSCL command preprocessing, the value specified on the NEWHLQ= parameter did not conform to VOS3 standards. One possible cause is that the resulting data set length would exceed the 44-character maximum.

3832 **THE PARAMETER MEMBER= CANNOT BE SPECIFIED WITH DEFER**

Explanation: The DSCL MEMBER= parameter cannot be specified as part of a deferred request. Remove the parameter and resubmit the job.

3833 **CONCURRENT COPY INITIALIZATION SUCCESSFUL FOR (ddd) ON VOLUME (vvvvvv)**

Explanation: This informational message indicates that while processing (vvvvvv), the BACKUPCC command successfully initialized (ddd).

3834 **CONCURRENT COPY INITIALIZATION FAILED FOR (ddd) ON VOLUME (vvvvvv) BECAUSE (rrr)**

Explanation: While processing (vvvvvv), the BACKUPCC command failed to initialize (ddd). One of the following reasons (rrr) will be given:

HARDWARE LACKING CONCURRENT COPY SUPPORT (vvvvvv) is not equipped with the appropriate concurrent copy micro-code.

3835 **FUNCTION PROCESSING WAS TERMINATED BY SYSPARM OR USER EXIT**

Explanation: This informational message is self-explanatory.

3836 **PROCESSING WILL CONTINUE WITH STANDARD SERIALIZATION**

Explanation: This informational message is self-explanatory.

3837 **CONCURRENT COPY INITIALIZATION WAS SUCCESSFUL FOR nnnn OF nnnn DATA SETS**

Explanation: This information message indicates the number of data sets that were successfully initialized by the BACKUPCC command.

3885 **NUMBER OF SINGLE ENTRY SMS BACKUP RECORDS = nnnn**

Explanation: This informational message is issued during pre-scan processing in an SMS environment. Prior to any IXMAINT processing of DSNINDEX records, a pre-scan is done on the DSNINDEX subfile identifying those DSNINDEX records that are:

1. SMS (Have a Management Class)
2. Backups (not scratched at archive time)
3. The last backup copy.

A table is built containing these records and used in IXMAINT when it is important to know about these types of records.

Note: This pre-scan in not performed in a non-SMS environment.

3886 **(ffffff) NOT UPDATED FOR VSAM COMPONENT = (ddd)**

Explanation: This message indicates that the DSCB Update utility attempted to update the VTOC field (ffffff) for cluster (ddd). Most VSAM data component fields in the VTOC are supported by this utility, with the exception of:

1. LMODT (last modified date)
2. OPCNT (open count)
3. OPCNTH (open count half word)
4. JBNM (job name or accounting code)

These fields are intended for non-VSAM only and are bypassed and not updated in the FMT1 DSCB if a VSAM component meets the dsname or volume selection. If valid VSAM updatable fields are selected in the same DSCB update utility, they will be processed correctly.

3890 **<variable text> VOLUME= (vvvvvv), RC= (cccc), RS= (cccc), ID= (mmmmmmmm)**

Explanation: While attempting to create a DASD free space extent table for volume (*vvvvvv*), a problem was encountered which is described by <*variable text*>. (*mmmmmmmm*) was the module that caused this message to be issued.

3892 **THE SMSNOSMS PARAMETER IS VALID ONLY WHEN USED WITH THE COPIES PARAMETER. COMMAND REJECTED.**

Explanation: While executing the SMSNOSMS parameter of the DSNDELETE command, SAMS:Disk discovered that the COPIES= parameter was omitted from the command stream. Add the COPIES= keyword to the IXMAINT command and resubmit the job.

3893 **TOVOL OPERAND MAY NOT CONTAIN PATTERN CHARACTERS**

Explanation: The value of the TOVOL parameter on the FMS RECOVER command must specify one explicit real volume serial. Pattern characters (?, !, *, and /) may not be used.

3894 **(rrr) RECORDS PER LOGICAL BLOCK FOR FILE DSNINDEX**

Explanation: When the FREESP= parameter is not specified on the RELOAD command, this message indicates the number of records (rrr) that would normally be loaded into a logical data block in the DSNINDEX subfile.

3895 **(rrr) RECORDS PER LOGICAL BLOCK RELOADED WITH FREESPACE REQUEST**

Explanation: When the FREESP= parameter is specified on the RELOAD command, this message indicates the number of records (rrr) that can be reloaded into a logical data block with the free space request percentage.

3897 **DATA SET (ddd) IS CURRENTLY ALLOCATED TO ANOTHER TASK. DATA SET IS BYPASSED.**

Explanation: Data set (ddd) is being bypassed as directed by the sysparm setting for ENQWAITD. For further information, please review the sysparm description for *ENQWAITD* on page 142 of the *Systems Guide*.

3899 **DATA SET (ddd) EXCLUDED FROM PROCESSING. (rrr).**

Explanation: When the DS1CPOIT bit in the VTOC is set to 1 (on), the user exit DSCLSCEX allows the action commands ARCHIVE, MOVE, EXPIRE, RELEASE, or DELETE to take place only if an installation determined *number of days* has passed since the data set was last referenced. The default value of 0 allows the data set to be moved regardless of the value in the last used date.

This message indicates that a checkpointed data set was excluded from processing because it did not meet the necessary criteria. One of the following reasons (rrr) will be given:

UNABLE TO PERFORM DATE CONVERSION.
The date used to compare against the last use date of the data set was unable to be properly calculated. Check for other messages that may identify the error, or contact technical support.

DID NOT MEET DSCLSCEX CRITERIA FOR A CHECKPOINTED DATA SET.
The data set's last use date was more recent than what was returned from the DSCLSCEX exit.

9999 **(ccc)**

Explanation: This is an internal SAMS:Disk processing error. Contact the SAMS:Disk Technical Support Center for problem resolution.

(ccc) is the text of the message. It indicates the nature of the error.

Before contacting the Support Center, have the following information available:

- JCL listing for the run that failed.
- SAMS:Disk command statements entered.
- SAMS:Disk generated output.
- Supply SYSUDUMP DD statement and, if dump created, have it available.

Chapter 2. Dynamic Interface Manager

DIM000I **DYNAMIC INTERFACE MANAGER <fmid>**

Explanation: This message merely announces that the dynamic interface manager is running.

DIM001I **SYNTAX ON EXEC CARD PARM**

Explanation: The syntax of the parameters specified on the PARM= parameter of the EXEC card is invalid.

DIM002I **BAD COMMAND, SPECIFY: STATUS, DUMP, INSTALL, MOVE, REFRESH, MODIFY OR REMOVE**

Explanation: The command specified on the PARM= parameter of the EXEC card is invalid. It must be one of the listed values.

DIM004I **<hookname>-HOOK NO FREE SLOTS, RC=8**

Explanation: There are no available user SVCs which can be hooked.

DIM005I **SVC(<svcnumber>) IS NOT AVAILABLE FOR DYNAMIC HOOK, <hookname>**

Explanation: The indicated SVC is not available to be hooked.

DIM006I **HIGHEST AVAILABLE DYNAMIC SVC SLOT IS SVC(<svcnumber>)**

Explanation: The requested SVC number is too high. The indicated SVC number is the highest one available. Choose an SVC number at or below this number.

DIM007I **<hookname>-HOOK IS RETAINED IN CSA; IT HAS A NON-STANDARD PROTOCOL**

Explanation: The indicated hook could not be removed because it uses a non-standard linkage protocol. It was left in CSA memory.

DIM008I **<hookname>-HOOK IS NOT DELETED FROM LAYERED CHAIN, RC=12**

Explanation: The indicated hook could not be removed from the chain.

DIM009I **<hookname>-HOOK IS DETACHED; SECONDARY-SVC AT LOC(<address>)**

Explanation: The indicated hook was removed from the chain of SVC routines. The hook "above" the removed hook is located at the listed address.

DIM010I **DYNAMIC INSTALLATION OF SVC(<svcnumber>) HOOK**

Explanation: The installation of the indicated hook is in-progress.

DIM011I **<hookname>-HOOK IS INSTALLED AND RESIDENT AT LOC(<address>) FOR SIZE(<size>-KBYTES)**

Explanation: The indicated hook is currently installed at the indicated address and occupies the indicated number of bytes in CSA memory.

DIM012I **PRIMARY-SVC IS LAYERED AT LOC(<address>)**

Explanation: The hook was installed successfully at the indicated address.

DIM013I **<hookname>-HOOK INSTALL FAILED, LOAD RETURN CODE IS 8**

Explanation: The indicated hook could not be installed.

DIM014I **<hookname>-HOOK WAS INTENDED FOR SVC(<svcnumber>)**

Explanation: The installation of the indicated hook failed. It was intended to be installed on the indicated SVC number.

DIM015I **<hookname>-HOOK IS ALREADY INSTALLED AT LOC(<address>) LEVEL(<displvl>)**

Explanation: The installation of the indicated hook failed because the hook is already installed at the indicated address and level.

DIM016I **<hookname>-HOOK IS ANCHORED AT TABLE LOC(<address>)**

Explanation: The indicated hook is installed and anchored/addressed by the SVC table at the listed location.

DIM017I **<hookname>-HOOK IS CHAINED FROM <hookname>-HOOK AT LOC(<address>)**

Explanation: The first hook is chained below the second hook at the indicted address.

DIM018I **<hookname>-HOOK CONTAINS INVALID PROTOCOL(<protocol_bytes>) LOC(<address>)**

Explanation: The indicated hook does not have a valid protocol. The protocol bytes are listed from the address indicated.

DIM020I **DYNAMIC DEINSTALLATION OF SVC(<svcnumber>) HOOK**

Explanation: Removal of the hook of the indicated SVC is in-progress.

DIM021I **<hookname>-HOOK IS DETACHED; THE PRIMARY-SVC/HOOK IS AT LOC=<address>**

Explanation: The indicated hook was successfully removed. The hook “above” it in the chain is present at the address listed.

DIM022I **<hookname>-HOOK WILL BE RETAINED FOR 8-SECONDS SO THAT ACTIVE USERS MIGHT EXIT ITS CODE**

Explanation: The deletion of the indicated hook from CSA memory is being delayed for 8 seconds. This is being done so that other tasks (started tasks, batch jobs, and TSO sessions) which are currently using it can finish executing before it is deleted.

DIM023I **<hookname>-HOOK MODULE IS DELETED FROM CSA**

Explanation: The indicated hook has successfully been deleted from CSA memory.

DIM024I **<hookname>-HOOK IS NOT DELETED, RC=12**

Explanation: The indicated hook could not be deleted.

DIM025I **<hookname>-HOOK IS NOT FOUND, RC=8**

Explanation: The indicated hook could not be found.

DIM030I **DYNAMIC REFRESH OF SVC(<svcnumber>) HOOK**

Explanation: The refresh of the hook of the indicated SVC is in-progress.

DIM050I **DYNAMIC HOOK STATUS FOR SVC(<svcnumber>)**

Explanation: The status of the hook(s) of the indicated SVC follows this message.

DIM051I **<hookname>-HOOK IS INSTALLED AT LOC(<address>) LEVEL(<displvl>)**

Explanation: The indicated hook is currently installed at the indicated address and level in the chain.

DIM051I **<hookname>-HOOK IS INSTALLED AT LOC(<address>) LEVEL(<level>) SIZE(<size>-KBYTES)**

Explanation: The indicated hook is currently installed at the indicated address and level in the chain, and occupies the indicated number of bytes of CSA memory.

DIM052I **<hookname>-HOOK IS NOT INSTALLED ON SVC(<svcnumber>)**

Explanation: The indicated hook could not be removed because it is not hooked into the indicated SVC.

DIM060I **DYNAMIC HOOK DUMP FOR SVC(<svcnumber>)**

Explanation: A dump of the hook(s) for the indicated SVC is listed on DDNAME=SVCDUMP.

DIM061I **<hookname>-HOOK DUMP AT LOC=<address>, LEVEL=<level>**

Explanation: The indicated hook is dumped on DDNAME=SVCDUMP. The hook is located at the indicated address and is hooked at the indicated level.

DIM062I **<hookname>-HOOK NOT FOUND ON ESR <esrtype> ROUTE CODE: <msgrout>**

Explanation: The indicated hook could not be deleted because it was not found.

DIM062I **<hookname>-HOOK NOT FOUND ON SVC <svcnumber>**

Explanation: The indicated hook could not be deleted because it was not found.

DIM104I **<hookname> - HOOK NO FREE SLOTS, RC=8**

Explanation: The indicated hook could not be installed because there are no free SVCs.

DIM105I **ESR(<msgrout>) IS NOT AVAILABLE FOR HOOK, <hookname>**

Explanation: The indicated ESR hook could not be installed because the ESR is not available.

DIM106I **HIGHEST AVAILABLE DYNAMIC ESR SLOT IS SVC(<svcnumber>)**

Explanation: The indicated ESR hook could not be installed. The highest available SVC number is listed. Choose a lower number.

DIM107I **<hookname>-HOOK IS RETAINED IN CSA; IT HAS A NON-STANDARD PROTOCOL**

Explanation: The indicated hook could not be removed from CSA memory because it uses a non-standard chaining protocol.

DIM108I **<hookname>-HOOK IS NOT DELETED FROM LAYERED CHAIN, RC=12**

Explanation: The indicated hook could not be removed from the SVC routine chain.

DIM109I **<hookname>-HOOK IS DETACHED; SECONDARY-SVC AT LOC(<address>)**

Explanation: The indicated hook was successfully removed from the SVC routine chain. The SVC routine below it is located at the indicated address.

DIM110I **DYNAMIC INSTALLATION OF ESR(<esrtype>,<msgrout>) HOOK**

Explanation: The installation of the indicated ESR hook is in-progress.

DIM111I **<hookname>-HOOK IS INSTALLED AND RESIDENT AT LOC(<address>) FOR SIZE(<size> -KBYTES)**

Explanation: The indicated hook is installed and resident at the location and size indicated.

DIM112I **PRIMARY-SVC IS LAYERED AT LOC(<address>)**

Explanation: The hook was successfully installed at the indicated address.

DIM113I **<hookname>-HOOK INSTALL FAILED, LOAD RETURN CODE IS 8**

Explanation: The indicated hook could not be installed.

DIM114I **<hookname-HOOK WAS INTENDED FOR ESR(<esrtype>,<msgrout>)**

Explanation: The indicated hook could not be installed.

DIM115I **<hookname>-HOOK IS ALREADY INSTALLED AT LOC(<address>) LEVEL(<level>)**

Explanation: The indicated hook could not be installed because it is already present at the address and level indicated.

DIM116I **<hookname>-HOOK IS ANCHORED AT TABLE ESR(<svcnumber>)**

Explanation: The indicated hook is anchored/pointed-to by the SVC table by the SVC indicated.

DIM117I **<hookname>-HOOK IS CHAINED FROM <aftername>-HOOK AT LOC(<address>)**

Explanation: The indicated hook is present in the SVC routine chain after the the hook and address indicated.

DIM118I **<hookname>-HOOK CONTAINS INVALID PROTOCOL(<dsp_prot>) LOC(<address>)**

Explanation: The indicated hook could not be removed because it has an invalid chaining protocol.

DIM120I **DYNAMIC DEINSTALLATION OF SVC(<esr_type>,<msgrout>) HOOK**

Explanation: The removal of the indicated hook is in-progress.

DIM122I **<hookname>-HOOK WILL BE RETAINED FOR 8-SECONDS SO ACTIVE USERS MIGHT EXIT ITS CODE**

Explanation: The deletion of the indicated hook from CSA memory is being delayed for 8 seconds. This is being done so that other tasks (started tasks, batch jobs, and TSS sessions) which are currently using it can finish executing before it is deleted.

DIM123I **<hookname>-HOOK MODULE IS DELETED FROM CSA**

Explanation: The indicated hook has been deleted from CSA memory.

DIM124I **<hookname>-HOOK IS NOT DELETED, RC=12**

Explanation: The indicated hook could not be deleted from CSA memory.

DIM125I **<hookname>-HOOK IS NOT FOUND, RC=8**

Explanation: The indicated hook could not be found in the chain.

DIM130I **DYNAMIC REFRESH OF ESR(<esr_type>,<msgrout>) HOOK**

Explanation: The refresh of the indicated extended SVC is in-progress.

DIM150I **DYNAMIC HOOK STATUS FOR ESR(<esr_type>,<msgrout>) HOOK**

Explanation: This status of the indicated ESR hook follows this message.

DIM151I **<hookname>-HOOK IS INSTALLED AT LOC(<address>) LEVEL(<displvl>) SIZE(<size>-KBYTES)**

Explanation: The indicated hook has been installed at the indicated address and level in the hook chain, and occupies the indicated number of bytes of CSA memory.

DIM152I **<hookname>-HOOK IS NOT INSTALLED ON ESR(<esr_type>,<msgrout>) HOOK**

Explanation: The indicated hook of the indicated extended SVC was not found.

DIM160I **DYNAMIC HOOK DUMP FOR ESR(<esr_type,<msgrout>) HOOK**

Explanation: A dump of the indicated ESR hook was written to DD=SVCDUMP.

DIM999E **<hookname>-HOOK CHAINING FAILURE, RC=12**

Explanation: The indicated hook could not be chained.

DIM999I **THE MODIFY= PARAMETER IS NOT SUPPORTED**

Explanation: The MODIFY parameter is currently not supported (future feature).

DIM999I **THE MOVE= PARAMETER IS NOT SUPPORTED**

Explanation: The MOVE parameter is currently not supported (future feature).

DIM999I **BAD PARAMETER SPECIFIED**

Explanation: An invalid primary parameter was specified.

GSM999E **NON-SDWA ABEND**

Explanation: An abend occurred and a System Diagnostic Work Area (SDWA) was not available.

Chapter 3. Program Event Tracing

MTF001I EXECUTE PARAMETER ERROR, RC=nnn

Explanation: The EXEC parameter supplied to ADSMI002 was in error. The return code (nnn) indicates one of the following:

Value	Explanation
4	program name supplied is null
8	program name exceeds 8-bytes
12	execute parameter exceeds 100-bytes

This is an internal message to assist in the diagnosis of a problem encountered during system operation. Call technical support to report this problem if it is encountered.

MTF002I MI PERFORMANCE IS IMPAIRED, ADSMI002 IS NOT THE SUBJECT OF AN ATTACH OR LINK. SEE MODULE mmmmmmmm

Explanation: The Module Intercept (MI) facility was used but ADSMI002 was not specified as the control module, *mmmmmmmm* was specified as the control module:

- For batch, PGM=ADSMI002 was not specified on the EXEC statement. For example,

```
EXEC PGM=ADSMI002,PARM='pgm-name,pgm-parms'
```

  Note: Before ADSMI002 passes control to 'pgm-name', it will remove 'pgm-name' and pass the remainder of the parameter string.

This is an internal message to assist in diagnosing a problem encountered during system operation. This message is issued only when a DD statement beginning with 'MTF' is detected, such as //MTFTIME. Call Technical Support only if this message is issued from a standard SAMS:Disk procedure or function.

The performance impact is dependent on the number of active programs loaded. If ADSMI002 is not found as the top (control) program, a search of all active modules is done to ensure correct control and trace processing occurs. Standard SAMS:Disk

functions load many programs and will very likely see performance degradation. User programs incorporating SAMS:Disk programs normally involve fewer modules, and may not experience any problems even when this message is issued.

For related information regarding ADSMI002, review the *Problem Analysis/Aids* beginning on page 279 and *Modifying SAMS:Disk* beginning on page 307, both in the *Systems Guide*.

MTF003I **ISPLINK/ISPEXEC PARAMETER LIST MUST BE BELOW 16MEG LINE**

Explanation: A call was made to ISPLINK (or ISPEXEC) service using the Module Intercept (MI) facility. The parameter list supplied to ISPLINK is above the 16M line. The MI facility only supports ISPLINK parameter list below the 16M line. This is an internal message to assist in the diagnosis of a problem encountered during system operation. Call technical support to report this problem if it is encountered.

MTF004I **BAD MODULE NAME=mmmmmmmm GIVEN BY bbb**

Explanation: The module name (mmmmmmmm) supplied to the Module Intercept (MI) did not follow proper module naming conventions. The call to module (mmmmmmmm) specified at module/location (bbb) must be corrected. This is an internal message to assist in the diagnosis of a problem encountered during system operation. Call technical support to report this problem if it is encountered.

MTF005I **MODULE mmmmmmmm ISSUED OBSOLETE MIVT REQUEST**

Explanation: The obsolete MI GETMAIN service was invoked at module/location (mmmmmmmm). Reassemble the module using current SAMS:Disk macros. This is an internal message to assist in the diagnosis of a problem encountered during system operation. Call technical support to report this problem if it is encountered.

PET201I **USER ABEND(nnnn) REASON(ccc) AT PSW(ppp)**

Explanation: PET diagnostics detected a user abend (nnnn) with a reason code (ccc) at PSW (ppp). This is an internal message to assist in the diagnosis of a problem encountered during system operation. Call technical support to report this problem if it is encountered.

PET202I USER ABEND(nnnn) AT PSW(ppp)

Explanation: PET diagnostics detected a user abend (nnnn) at PSW (ppp). This is an internal message to assist in the diagnosis of a problem encountered during system operation. Call technical support to report this problem if it is encountered.

PET203I SYSTEM ABEND(nnnn) REASON(ccc) AT PSW(ppp)

Explanation: PET diagnostics detected a system abend (nnnn) with reason code (ccc) at PSW (ppp). This is an internal message to assist in the diagnosis of a problem encountered during system operation. Call technical support to report this problem if it is encountered.

PET204I SYSTEM ABEND(nnnn) AT PSW(ppp)

Explanation: PET diagnostics detected a system abend (nnnn) at PSW (ppp). This is an internal message to assist in the diagnosis of a problem encountered during system operation. Call technical support to report this problem if it is encountered.

PET205I ABEND OCCURRED FROM PGM(nnnnnnnn)

Explanation: An abend occurred under the control of a Service Request Block (SVRB). Program nnnnnnnn was active at the time of the abend. This is an internal message to assist in the diagnosis of a problem encountered during system operation. Call technical support to report this problem if it is encountered.

PET206I ABEND OCCURRED AT PGM(nnnnnnnn)

Explanation: An abend occurred under the control of a Program Request Block (PRB). Program nnnnnnnn is associated with that PRB. This is an internal message to assist in the diagnosis of a problem encountered during system operation. Call technical support to report this problem if it is encountered.

PET207I INVALID BRANCH TARGET DETECTED, USING GPR14(nnnnnnnn)

Explanation: In the process of determining the active program, PET detected that an invalid branch was performed. GPR14 indicates that program (nnnnnnnn) was the program performing this invalid branch. This is an internal message to assist in the diagnosis of a problem encountered during system operation. Call technical support to report this problem if it is encountered.

PET208I CALL TRACE INTERRUPTED, INVALID SAVE AREA

Explanation: PET diagnostics detected an invalid save area chain. The Program Request Block (PRB) value for GPR13 was not reflected in the task's save area chain. One (or more) entries in the save area trace are missing. This is an internal message to assist in the diagnosis of a problem encountered during system operation. Call technical support to report this problem if it is encountered.

Chapter 4. System Abend Codes

The following table contains some of the most common System Abend Codes received during the execution of a SAMS:Disk job.

Table 4-1. System Abend Codes

Code	Meaning
S001	SAMS:Disk files initialization has failed because no file definition member (FILEDEFN) is present in the parmlib data set (only when executing ADSDM100).
S047	A SAMS:Disk function that requires an authorized system environment is not authorized, check that: SAMS:Disk program is being run as parameter to ADSMI002, like the following example, //STEP1 EXEC PGM=ADSMI002,PARM='ADSDM002' and, that the SAMS:Disk job is run from an authorized library in MVS. Review the SAMS:Disk Installation Guide.
S80A	A SAMS:Disk function abended because there was not enough main storage to accomplish the function requested. Check the region size if SAMS:Disk abends with a S80A abend code. SAMS:Disk jobs normally run in from 256K to 5120K of virtual memory. SAMS:Disk Exclusion/Authorization lists are maintained in virtual memory during SAMS:Disk execution. So, if a large number of entries exist in these lists, it may be necessary to increase SAMS:Disk region size. If you are processing VSAM data sets and system VSAM access methods are not loaded into system link pack area (LPA), they will be loaded into the application region. This will also increase region requirements by 200K to 300K bytes of storage.

Chapter 5. User Abend Codes

Because of the type of error, processing could not continue. For all codes except U0024, see the last error message printed on the MSGPRINT DD statement for an explanation of why SAMS:Disk has terminated processing.

Table 5-1. User Abend Codes

Code	Meaning
U0024	SAMS:Disk has terminated abnormally because no MSGPRINT DD statement was present in the steps JCL. SAMS:Disk was tying to print a message but could not. Add the following DD statement to the JCL and rerun the job: //MSGPRINT DD SYSOUT=A
U0100 - U109	SAMS:Disk has terminated processing due to the reason indicated by the last message printed. This abend is accompanied by a system dump.
U0200 - U0209	SAMS:Disk has terminated processing due to the reason indicated by the last message printed. This abend is not accompanied by a system dump because the error message should be enough to solve the problem.
U0908 - U0910	SAMS:Disk has terminated processing due to the reason indicated by the last message printed. These abends are accompanied by a system dump. Usually, there show a problem in getting or freeing memory. Increase the region size. If the problem continues, contact Customer Service.
U0913	SAMS:Disk has terminated processing due to a security violation.

Appendix A. Common Return Codes

Allocate Error Codes

The following return codes are returned from the systems allocate routines (SVC 32). This is a list of the most common return codes encountered. For a complete list of codes, refer to the Hitachi DADSM Logic Manual.

Table A-1. Allocation Error codes

Code (hex)	Code (dec)	Message ID	Meaning
X’04’	4	IEF253I	Data set already exists on the specified volume.
X’08’	8	IEF254I	VTOC of volume is full. Cannot add DSCB for another data set to it.
X’0C’	12	IEF255I	Permanent I/O error on VTOC.
X’10’	16	IEF256I	Absolute track not available.
X’14’	20	IEF257I	Volume does not contain sufficient free space in sufficiently few extents. This condition is commonly caused by space fragmentation on the volume.
X’20’	32	IEF261I	No Prime Area request for ISAM data set.
X’80’	128	IEF267I	Directory space request is larger than primary request.

Catalog Management Return Codes

The following return codes are returned from the Hitachi catalog management routines. This is a list of the most common return codes encountered. For a complete list of codes, refer to the Hitachi Data Management Services Manual or the Hitachi Message Library: System Messages manual for message JSC0009I-S.

Table A-2. Catalog Management Return Codes

Code	Meaning
4	The system catalog was not mounted or available.
8	The data set name cannot be cataloged due to the existing structure of catalog entries (for example, when trying to catalog data set A.A.A, there is already a cataloged data set named A.A.A.A). For reason code 56, security or password verification failed.
16	The index structure necessary to catalog the data set does not exist.
20	No space left in the catalog. The catalog is full.
24	An attempt was made to catalog an improperly named generation data set, or the generation index is full and the named data set is older than any currently in the index.
28	A permanent I/O error was encountered.
40	SAMS:Disk processing logic error. Contact the SAMS:Disk Technical Support Center for assistance.

Scratch Return Codes

The following return codes are returned from the systems scratch routines. This is a list of the most common return codes encountered. For a complete list of codes, refer to the Hitachi Data Management Services Manual.

Table A-3. Scratch Return Codes

Code	Meaning
1	The VTOC of the volume did not contain the format-1 DSCB for the data set to be scratched.
2	A password is required in order to delete the data set, but no password was supplied.
3	The expiration date for the data set has not been reached.
4	Permanent I/O error.

SAMS:Disk EXCP Access Method Return Codes

The following return codes are returned from the SAMS:Disk EXCP access method routines.

Table A-4. EXCP Access Method Return Codes

Code	Meaning
0	Operation successfully completed
4	GET - END-OF-FILE reached for read of input data set.
8	GET - A relative track address contained a record number which was greater than the number of records on the track. PUT - No more space in data set to write this record. DASD EXCP support does not support allocation of new extents during output. This error sometimes occurs because SAMS:Disk has incorrectly calculated the space required to contain a data set on the specified volume. When restoring or moving a data set to a different device type than that from which it came, SAMS:Disk must recalculate the amount of space required. This recalculation is based on the tracksize of the original data set and the number of blocks (based on the BLKSIZE) that will fit in these tracks. Sometimes short blocks exist on the data set that cannot be accounted for in this calculation. To circumvent the problem, either preallocate the data set and rerun the SAMS:Disk job to use this preallocation, or specify sysparm ADTRACKS for the job.
12	Record returned has block size greater than that of the data set.
16	Permanent I/O error on the data set.

Dynamic Allocate Return Codes

The following return codes are returned from the systems dynamic allocate routines. This is a list of the most common return codes encountered. For a complete list of codes, refer to the Hitachi Job Management Manual.

Table A-5. Dynamic Allocation Return Codes

Code	Meaning
0004	(RESERVED)
0008	Overriding disposition ignored (unallocation request).
000C	(RESERVED)
001c to 002n	Data set was successfully unallocated, but the completion of the requested catalog or uncatalog disposition was unsuccessful. The digit (n) is a reason code for the error. Some reason codes are listed below. 1 - A control volume was required. A utility program is required to catalog the data set. 2 - The data set had been previously cataloged, or the data set to be uncataloged could not be located, or no change was made to the volume serial list of a data set with a disposition of catalog. 3 - A specified index did not exist. 4 - Space was not available on the catalog data set. 5 - Insufficient storage was available to perform the catalog request. 6 - The data set to be cataloged in a generation index is improperly named. 9 - A permanent I/O error occurred during catalog.
003n	Data set was successfully unallocated, but the completion of the requested delete was unsuccessful. The digit (n) is a reason code for the error. Some reason codes are listed below: 1 - The expiration date had not occurred. 4 - No device was available for mounting during deletion. 5 - Insufficient storage was available to perform delete processing. 8 - The scratch routine returned an error code. See MSG IEF283I in the JCL listing.

Dynamic Allocate Error Reason Codes

The following reason codes are returned from the systems dynamic allocate routines. This is a list of the most common reason codes encountered.

Table A-6. Dynamic Allocation Error Reason Codes

Code	Meaning
0438	Specified DDNAME not found.
0440	Specified DSNAME not found.
0448	Data set requested new, found allocated already.
0454	DDNAME in DCB not found.
0468	Error while allocating or opening a PRIVATE CATALOG.
0484	Request denied by OPERATOR.
0488	GDG pattern DSCB not available.
048C	GDG pattern DSCB not found.
0494	Error processing OS CVOL CATALOG.

ISAM EXCD1 Byte Explanations

The following return codes are displayed in SAMS:Disk messages as the ISAM EXCD code.

Table A-7. ISAM EXCD1 Byte Explanations

Code	Meaning
1...	Lower key limit not found.
.1..	Invalid device address for lower limit.
..1.	Space not found.
...1	Invalid request.
.... 1...	Uncorrectable input error.
.... .1..	Uncorrectable output error.
.... ..1.	Block could not be reached (input).
....1	Block could not be reached (update).
1...	Sequence check.
.1..	Duplicate record.
..1.	DCB close when error was detected.
...1	Overflow record.
.... 1...	Put, length field is larger than DCB LRECL.
.... .xxx	RESERVED

Obtain Return Codes

The following return codes are returned from the system obtain routines. This is a list of the most common return codes encountered. For a complete list of codes, refer to the Hitachi DASD Management for Systems Programmers Manuals.

SAMS:Disk uses the SYSTEM OBTAIN function 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 SAMS:Disk was trying to retrieve the entry. If no DSNAME and VOLUME information is supplied, SAMS:Disk was probably trying to get the next entry from the VTOC.

Table A-8. Obtain Return Codes

Code	Meaning
4	The volume for which the 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. (Call SAMS:Disk Technical Support Center.)

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.

User-specified Condition Codes

SAMS:Disk returns the following for user-specified condition codes.

Table A-9. User-specified Condition Codes

Code	Meaning
0	Good (successful completion)
4	Informational Message
8	Resource Error
12	Error During SAMS:Disk processing
16	Command Error (DSCL command error detected)