

Adabas

Messages and Codes

Manual Order Number: ADA741-060IBB

This document applies to Adabas Version 7.4 and to all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

Readers' comments are welcomed. Comments may be addressed to the Documentation Department at the address on the back cover or to the following e-mail address:

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ABOUT THIS MANUAL

Note:

Dataset names starting with DD are referred to in Adabas manuals with a slash separating the DD from the remainder of the dataset name to accommodate VSE/ESA dataset names that do not contain the DD prefix. The slash is not part of the dataset name.

This manual contains a description of error messages and response codes for the basic Adabas database management system and the following options or selectable units:

- Adabas Triggers and Stored Procedures Facility
- Adabas Delta Save Facility
- Adabas Caching Facility
- Adabas Cluster Services
- Adabas Parallel Services
- Adabas External Security Interface (ADAESI) Trace facility
- Adabas Recovery Aid (ADARAI)
- Adabas Transaction Manager
- Adabas VSE Job Exit Utility

Note:

Information about Adabas operator commands, which are often issued in response to a message or code, can be found in the Adabas Operations Manual.

Chapter 1 contains descriptions of console messages, nucleus messages, and system messages.

Chapter 2 contains descriptions of nucleus start-up messages, and response codes/subcodes.

Chapter 3 contains Adabas utility messages and return codes.

Chapter 4 contains user abnormal end (ABEND) codes.

Note:

Proprietary functions of Adabas may also return response codes and subcodes, some of which are not described in this manual. If using such Adabas functions and messages or codes occur that are not explained in this manual, refer to the documentation for those functions for additional information.

ADABAS SYSTEM MESSAGES

ADARUN Statement/Parameter Messages

The Adabas ADARUN statements and parameters define the nucleus operating environment. The error messages that can result from ADARUN statements and parameters are described in this section. These messages have the following format:

ADARUN ERROR nn, message-text

—where “nn” is the message number and “message-text” describes the error. All ADARUN error messages are accompanied by a user ABEND 35 (abnormal end without a dump) code.

Messages for All Versions

The following ADARUN messages are common to all ADARUN versions:

ERROR 1 I/O–ERROR DDCARD

Explanation: A job control (JCL/JCS) error occurred.

Action: Correct the error and rerun the job.

ERROR 2 UNKNOWN MODULE

Explanation: Either the ADARUN PROG parameter or the library allocation JCL is incorrect.

Action: Correct the error and rerun the job.

ERROR 3 INVALID PARMCARD

Explanation: An ADARUN parameter statement is missing either the constant “ADARUN” in positions 1–6, or a blank () in position 7.

Action: Correct the error and rerun the job.

ERROR 5 INVALID PARM

Explanation: One of the following has occurred:

- The starting position of a keyword is either lower than “A” or higher than “Z”.
- Positions 1–72 contain no valid parameters.

Action: Correct the error and rerun the job.

ERROR 6 SYNTAX ERROR

Explanation: ADARUN detected invalid parameter syntax.

Action: Correct the error and rerun the job.

ERROR 7 UNKNOWN KEYWORD

Explanation: ADARUN detected an invalid keyword parameter.

Action: Correct the error and rerun the job.

ERROR 8 ERROR FROM LOAD

Action: ADARUN detected a nonzero return code from the operating system’s load function.

Action: Refer to any related ADAInn or other messages for the specific return code value, then refer to the appropriate operating system information for the action to take.

ERROR 9 NO USER PROGRAM

Explanation: ADARUN was not called by a user program, or required ADARUN parameters were missing.

Action: Correct the JCL or control statements and rerun the job.

ERROR 10 module = NON-XS

Explanation: BS2000 only. ADARUN was loaded from the XS library. During the loading procedure, the specified non-XS module was deleted.

Action: Do not mix XS and non-XS libraries.

ERROR 12 INVALID CMDQMODE= OPERAND (ABOVE, BELOW)

Explanation: BS2000 only. The CMDQMODE parameter specified an incorrect syntax option.

Action: Job terminates. Set the correct parameter value.

ERROR 13 INVALID TAPEREL= OPERAND (NO, RELEASE, KEEP, UNLOAD, KEEPUNL)

Explanation: BS2000 only. The TAPEREL parameter specified an incorrect syntax option.

Action: Job terminates. Set the correct parameter value.

ERROR 20 RMODE ERROR

Explanation: ADARUN detected one or more loaded modules linked with RMODE={ANY | 31} while it runs in AMODE=24.

Action: Check the load library and either relink modules linked with AMODE=24 to AMODE={ANY | 31}, or relink modules linked with RMODE=ANY to RMODE=24.

ERROR 21 CLU PARM ERROR

Explanation: ADARUN detected inconsistent CLUSTER parameter:

- CLUSTER=SYSPLEX or CLUSTER=LOCAL and NUCID=0; or
- CLUSTER=NO (default) but NUCID is nonzero.

Action: Correct the error and rerun the job.

ERROR 22 NxLOG ERROR

Explanation: ADARUN detected inconsistent parameter:

- Both NPLOG/NCLOG and DUALPLD/DUALCLD are specified; or
- PLOGDEV/CLOGDEV and PLOGSIZE/CLOGSIZE are specified but NPLOG/NCLOG is not specified; or
- UEX2 together with NPLOG/NCLOG instead of UEX12 was found in the ADARUN parameters.

Action: Correct the error and rerun the job.

ERROR 98 ADABAS v.v CANNOT RUN ON NXS HARDWARE

Explanation: BS2000 only. Adabas 6.2 and above require 31-bit processors.

ERROR 99 ADABAS v.v CANNOT RUN UNDER BS2000 VERSION LOWER THAN (<) 10

Explanation: BS2000 only. Adabas 6.2 and above require BS2000 version 10 or above.

ADARUN Warning Messages

WARNING 26 PARAMETER AMODE OUT OF SERVICE

Explanation: BS2000 only. ADARUN statement AMODE=31 detected. This parameter has been removed from Adabas. Targets that use SSF must run in AMODE 31.

Action: The job continues. Remove AMODE= from your ADARUN statements.

WARNING 27 PARAMETER IDTMODE OUT OF SERVICE

Explanation: BS2000 only. IDTMODE=ABOVE statement detected. This parameter has been removed from Adabas. IDTs created by SSF are allocated above the 16-megabyte line.

Action: The job continues. Remove IDTMODE= from your ADARUN statements.

WARNING 28 PARAMETER NECB OUT OF SERVICE

Explanation: BS2000 only. NECB= statement detected. This parameter has been removed from Adabas. The posted ECB queue can no longer overflow.

Action: Job continues. Remove NECB= from your ADARUN statements.

Adabas Console Messages (ADANnn)

The following messages may be displayed on the operator console during an Adabas session. Each message number is followed first by either

- “ADAB” for Adabas SVC module messages; or
- the database identification (DBID) of the physical database for which the message applies.

Then follows the error date and time and finally the message text. The console messages have the same general format:

ADANnn (database ID) (yyyy-mm-dd hh:mm:ss) (message text)

Because of space restrictions, the message descriptions are shown here without the database ID and date/time portion of the message. Variables are shown in lowercase.

Note:

Some message numbers have been assigned to more than one message text.

ADAN01 A D A B A S (Vv.r.s) IS ACTIVE
ADAN01 MODE = { SINGLE | MULTI }
ADAN01 RUNNING { WITH | WITHOUT } RECOVERY-LOG

Explanation: The Adabas nucleus at release level “v.r.s” has been initiated successfully. Multi- or single-user mode is indicated, and whether the nucleus is running with or without the Adabas Recovery Aid (ADARAI) log.

ADAN02 NUCLEUS-RUN { WITH | WITHOUT } PROTECTION LOG

Explanation: The Adabas nucleus session has been initiated and database protection logging either has or has not been specified. The subsequent execution of the REGENERATE and BACKOUT functions of the ADARES utility for any updates applied during the session is only possible when protection logging has been specified. However, transaction recovery for ET logic users is not affected by PLOG specification since data protection information for such users is still maintained on the Adabas Work file.

ADAN03 ADABAS COMING UP

Explanation: Adabas session initialization is in progress.

ADAN03 INITIALIZING NUCID=nnnnn INTNUCID=xx

Explanation: Initialization is in progress for the specified external nucleus ID (nnnnn) with the specified internal nucleus ID (xx). This message is useful for determining the internal system-assigned nucleus ID associated with the external user-assigned NUCID.

ADAN04 ABNORMAL END DUE TO WORK OVERFLOW

Explanation: The Adabas nucleus detected an overflow condition on the Work dataset that could not be rectified by normal Adabas backout processing. The Adabas session was therefore terminated abnormally.

User Action: Notify the DBA immediately.

ADAN05 WARNING. NOW IT IS TOO LATE TO COPY DDPLOGRn

Explanation: Adabas has begun to write data protection log data to the dataset identified by DD/PLOGRn. This means that the dataset can no longer be copied to tape for subsequent use as input to the REGENERATE or BACKOUT functions of the ADARES utility. A user exit 2 (dual log processing) or a user exit 12 (multiple log processing) call either was not made or did not successfully copy the DD/PLOGRn dataset with the ADARES utility.

ADAN05 I/O ERROR ON PLOGRn

Explanation: An I/O error occurred on the dual or multiple protection log datasets. Processing continues without protection logging.

ADAN06 NUMBER OF HQES = nnn

Explanation: This message is displayed in response to the operator command DNH. The number of ISNs currently in the Adabas hold queue is represented by “nnn”.

ADAN06 I/O ERROR ON SIBA

Explanation: An I/O error occurred on sequential protection log SIBA. If the nucleus runs with PLOGRQ=YES, the nucleus terminate with user ABEND 22; otherwise, the SIBA is set to dummy and processing continues without protection logging.

ADAN07 CURRENT HQ IS EMPTY

Explanation: This message is displayed in response to the operator commands DHQ or DHQA in the event that the hold queue is empty.

ADAN07 SIBA IS SET TO DUMMY

Explanation: This message may follow an ADAN06 message.

ADAN08 FILE=file-number, ISN=isn, USER=user-id

Explanation: This message is displayed in response to the operator command DHQ or DHQA. For each ISN in the hold queue, the file number, ISN, and Adabas-assigned ID of the user for whom the ISN is being held is given.

ADAN08 RERUN ADARES WITH LARGER LP-SIZE

Explanation: The LP parameter specifies the number of blocks to allocate to the data protection area, which is part 1 of the Work dataset. This area must be large enough to accommodate the data protection information for the current transaction for all ET Logic users.

ADAN09 NUMBER OF UQES = nnn

Explanation: This message is displayed in response to the operator command DNU.
 “nnn” indicates the number of user queue elements currently active.

ADAN10 CURRENT UQ IS EMPTY

Explanation: This message is displayed in response to the operator command DUQ in
 the event that there are no users currently active and/or the current UQ
 does not contain utility UQEs (response to DUUQE).

**ADAN11 USER=user-id, JN=job-name, TY=t, LA=nS,
 TID=aaaaaaaa(xxxxxxxx)**

Explanation: This message, a response to a DUQ, DUQA, or DUUQE operator
 command, provides the following information about each user:

| | |
|----------|---|
| user-id | the Adabas-assigned user ID |
| job-name | the name of the related job |
| t | user type: |
| | A: access-only user |
| | E: ET logic user |
| | U: utility or Adabas Online System user |
| | X: exclusive update user |
| n | time (in seconds) since the last activity |
| aaaaaaaa | terminal ID (alphanumeric) |
| xxxxxxxx | terminal ID (hexadecimal) |

The terminal ID is the contents of the UQE.

ADAN12 **USER=user-id, JN=job-name,**
ADAN12 **TY=t, LA=nS**
ADAN12 **USERID=opuser-id, ST=status, TRST=m, NF=count**
ADAN12 **FILE=n(s),...n(s)**

Explanation: This message is displayed in response to the operator command DUQE. The following information is given for each user queue element:

| | |
|-----------|--|
| user-id | the Adabas-assigned user ID, or “WITHOUT USER-ID” |
| job-name | the name of the related job |
| t | user types: A: access-only user E: ET logic user U: utility or Adabas Online System user X: exclusive update user |
| n | time (in seconds) since the last activity |
| opuser-id | user ID assigned by user with OP command |
| status | user status: E: ET user in ET status –: ET user not in ET status T: timed-out user |
| m | time in seconds since start of transaction |
| count | number of files in the file list |
| n(s)... | “n” is the file number; “s” is the file status: A: being accessed by the user F: open for EXF user P: open for Adabas utility U: being updated by the user X: open for exclusive updating |

ADAN13 NUMBER OF POSTED CQES = nnn

Explanation: This message is displayed in response to the DNC operator command. “nnn” indicates the number of posted command queue elements.

ADAN14 CURRENT CQ IS EMPTY

ADAN14 USER=user-id, JOBNAME=job-name

ADAN14 CMD=cmd-code,FILE=fnr,STCK=timestamp, IUBL=buf-length

Explanation: This message is displayed in response to the DCQ operator command. Unless the command queue (CQ) is empty, the message displays the following for each commange queue element (CQE):

| | |
|------------|---|
| user-id | the last eight bytes of the user’s 28-byte communication ID presented in characters if it is readable or in hexadecimal if it contains noncharacter data. |
| job-name | the user’s job name |
| cmd-code | the two-character Adabas command code |
| fnr | the Adabas file number specified in the command |
| timestamp | the machine time (in STCK format) as of when the command entered the command queue |
| buf-length | the total length of the buffers belonging to the command. |

ADAN15 LBP-SIZE TOO SMALL FOR THE NUMBER OF THREADS

Explanation: The specified or available buffer pool space may not be large enough for the number of threads specified by the ADARUN NT parameter. This message is a warning. Adabas allocates 50 kilobytes per thread and processing continues.

User Action: Either increase the buffer pool size (specified by the ADARUN LBP parameter) or decrease the thread count (with the ADARUN NT parameter). Restart Adabas. If the error occurs again, allocate more address space for the Adabas nucleus and check the session I/O statistics for buffer efficiency.

ADAN16 NC=nnn, NH=nnn, NT=nnn,...

Explanation: This message is displayed in response to the operator command DPARM. The current setting for each Adabas parameter is given.

**[ADAN17 special nucleus status indicators, if applicable]
 ADAN17 READ I/O A=nnn, D=nnn, W=nnn
 ADAN17 WRITE I/O A=nnn, D=nnn, W=nnn
 ADAN17 NR. OF COMMANDS=nnn, BUFFER EFFICIENCY=nn.n
 ADAN17 NR. OF FMT-TRAN.=nnn, NR. OF FMT-OVWR.=nnn
 ADAN17 THREADnnn=nnn COMMANDS**

Explanation: This message is displayed in response to the operator command DSTAT. Except for the first optional message line, the messages display the following information:

| | |
|----------------------------|--|
| READ I/Os A=nnn | physical read I/Os to Associator |
| READ I/Os D=nnn | physical read I/Os to Data Storage |
| READ I/Os W=nnn | physical read I/Os to Work |
| WRITE I/Os A=nnn | physical write I/Os to Associator |
| WRITE I/Os D=nnn | physical write I/Os to Data Storage |
| WRITE I/Os W=nnn | physical write I/Os to Work |
| NUMBER OF COMMANDS=nnn | number of commands processed |
| BUFFER EFFICIENCY=nn.n | number of logical I/Os divided by number of physical I/Os |
| FORMAT TRANSLATIONS=nnn | number of translations into internal format buffer |
| FORMAT OVERWRITES=nnn | number of times an existing internal format entry format entry was overwritten |
| THREADnnn=nnn COMMANDS | number of commands processed in the specified thread. The nucleus omits threads in which no commands are executed. |

The special nucleus status indicators that can occur in the first message are as follows:

ADAEND IN PROGRESS

Explanation: The Adabas nucleus is shutting down.

ET-SYNCHRONIZATION IN PROGRESS

Explanation: New transactions are delayed until all open transactions are finished.

ONLINE DATABASE SAVE RUNNING

Explanation: Update utility functions are rejected.

ONLINE FILE SAVE RUNNING

Explanation: Update utility functions on the files being saved are rejected.

EXCLUSIVE-DB-CONTROL UTILITY RUNNING

Explanation: No other users can log on.

{READ | UTI}-ONLY TRANSITION

Explanation: Transition into read-only or utility-only status.

READ-ONLY STATUS

Explanation: Update commands are rejected.

UTI-ONLY STATUS

Explanation: Only privileged users such as the Adabas utilities and AOS can log on.

UPDATE PROCESSING SUSPENDED

Explanation: Update commands are delayed until normal processing resumes.

ADAN18 THN=nnn, ST=status, USE=ccc

Explanation: In response to the operator command DTH, shows the following information for each thread:

| | |
|--------|---|
| nnn | thread number |
| status | thread status: |
| | RR: ready to run |
| | AA: active |
| | WE: waiting for event |
| | WI: waiting for I/O |
| | UU: not currently processing |
| ccc | count of commands processed by the thread |

ADAN19 BUFFER FLUSH IS ASYNCHRONOUS

Explanation: This message and the asynchronous buffer flush occur when the ADARUN LFIOP parameter specifies a nonzero value.

ADAN20 ONLINE-DB-SAVE STARTED
ADAN20 PLOG-NR=session-number, BLK-NR=block-number
ADAN20 VOLSER-NR=volume

Explanation: Online execution of the ADASAV utility's SAVE database function has started. The message shown above occurs for both database and file SAVES and specifies the following:

| | |
|----------------|--|
| session-number | the number of the session with which SAVE begins. |
| block-number | the RABN block that specifies the SYN1 starting point of the SAVE. |
| volume | the current SIBA volume/serial number. |

User Action: Save this session/RABN information and the related PLOG and other SAVE output for later ADASAV restore activity.

ADAN21 PROTECTION LOG DD/PLOGRn STARTED

Explanation: Adabas is now ready to begin writing data protection information to the dual or multiple data protection log identified by DD/PLOGRn.

User Action: Execute the PLCOPY function of the ADARES utility at this time.

ADAN22 FILE DUMP ONLINE STARTED
ADAN22 DATASET-NR=session-number, BLK-NR=block-number
ADAN22 VOLSER-NR=volser

Explanation: The online ADASAV SAVE FILE execution has begun. The SAVE operation begins with session “session-number”, using the SYN4 start point indicated by RABN “block-number”.

User Action: Save this session/RABN information and the related PLOG and SAVE output for later ADASAV RESTORE activity.

ADAN23 date time ONLINE PROCESS {STARTED | PARTIALLY DONE | DONE
| STOPPED | TERMINATED WITH ERROR}
ADAN23 process-type, FNR=fnr, DE=aa

Explanation: An online process has started, is ongoing or has completed, terminated due to an error, or was stopped. The type of process is displayed, as well as the file number and details about the process as appropriate.

ADAN24 date time DISPLAY PPT RABNs nnnn TO mmmm

Explanation: In response to operator command DPPT (Display PPT), this and subsequent messages show the contents of the Parallel Participant Table (PPT).

ADAN25 DIB BLOCK IS CURRENTLY EMPTY
ADAN25 JOBNAME=job-name, STARTTIME=hh:mm:ss, LID=user-id

Explanation: In response to operator command DDIB (display DIB block), this message either indicates an empty DIB block or provides the following DIB information:

job-name job name
 hh:mm:ss job start time
 user-id user ID assigned in the OP command

ADAN26 FILES LOCKED=file-number,...

Explanation: In response to the DDIB operator command, this message displays the “file-number” of a file that is locked because it is being used by an Adabas utility.

ADAN27 date time RELEASE DE
ADAN27 RELEASE DONE, FNR=fnr DE=de

Explanation: The Release Descriptor function at the end of an aborted online invert process has released the descriptor shown for the file shown.

ADAN27 date time RELEASE DE
ADAN27 RELEASE DE TERMINATED DUE TO ERROR
ADAN27 FILE WILL BE LOCKED COMPLETELY
ADAN27 FNR=fnr DE=de RESPONSE=rsp

Explanation: The Release Descriptor function at the end of an aborted online invert process has failed with the response code shown. The file is locked.

ADAN27 date time RELEASE DE
ADAN27 FUNCTION TERMINATED

Explanation: The Release Descriptor function at the end of an aborted online invert process has finished. If the online invert was processing an expanded file, the Release Descriptor function has been executed on all component files of the expanded file.

ADAN28 HIGH WATER MARKS
ADAN28 name-POOL value cur-value hw-value

Explanation: In response to the DRES operator command, this message displays the pool/queue allocated record count, current value, and highest value reached (“high water mark”) for the current session. The second line of the message occurs once for each of the following pool or queue items:

| | |
|-----------|--|
| name | is the pool or queue item: |
| AB | attached buffer table – current allocation not supported |
| CQ | command queue |
| FI | internal format buffer pool |
| HQ | hold queue |
| TBI | ISN table |
| TBS | sequential ISN list |
| UQ | user queue |
| WORK | work pool |
| value | is the maximum pool value for the related ‘name’ |
| cur-value | is the current record count in the pool/queue |
| hw-value | is the highest count of the maximum pool value used to this point in the current session. |

ADAN29 (NO) USERS STOPPED

Explanation: In response to the STOPI operator command, this message displays either as “users stopped” or “no users stopped”, depending on the action performed by the STOPI command.

ADAN2A OVERWRITING PPT ENTRY FOR NUCID=nnnnn

Explanation: There are already 32 entries in the parallel participant table. The nucleus ID entry specified was inactive and is being overwritten.

ADAN2B DIFFERENT WORK DATASET WAS DETECTED

Explanation: A Work dataset was specified that is different from the one used in the previous session. This message is displayed only when the previously used Work dataset contains a pending autorestart.

ADAN2C UNABLE TO OPEN OR READ PREVIOUS WORK DATASET

Explanation: A Work dataset was specified that is different from the one used in the previous session. An attempt to read the Work dataset used in the previous session to search for a pending autorestart failed.

ADAN2D CAUTION – PENDING AUTORESTART DETECTED

Explanation: A Work dataset was specified that is different from the one used in the previous session. The previously used Work dataset was read and contains a pending autorestart. The ADAI63 message identifies the previous Work dataset.

**ADAN2E WARNING – PLOG DATASETS HAVE CHANGED. PPT
OVERWRITTEN.****ADAN2E USE ADARES PLCOPY NOPPT TO COPY PREVIOUS PLOG
DATASETS.**

Explanation: The protection log (PLOG) datasets have changed from the previous session and the previous PLOG datasets have not been copied. Because FORCE=YES was not specified, the parallel participant table (PPT) entry for these datasets has been overwritten.

User Action: Software AG recommends that you use the ADARES PLCOPY NOPPT function to copy the PLOGs from the previous session.

ADAN30 **FILES=n,n,...**
ADAN30 **NO FILES LOCKED**

Explanation: In response to the operator command DLOCKF, this message displays the files that have been locked by LOCKF or LOCKU.

ADAN31 **FILE=n, ACC=n, UPD=n, EXU=n, UTI=n**

Explanation: In response to the operator command DFILES, this message displays the number of users currently active for the specified file.

ADAN33 **FILE=n, USAGE=n**
ADAN33 **FILE=n IS NOT USED**

Explanation: In response to the operator command DFILUSE, this message displays the number of active commands (USAGE=n) for the specified file (FILE=n), or that the specified file does not exist in the database.

ADAN34 **NO USERS STOPPED**

Explanation: In response to operator command STOPF, this message indicates that no users were active when the command was issued.

ADAN35 **date time ONLINE PROCESSES:**
ADAN35 **process-type SORTSEQ=FILE=fnr, CUR-RABN=rabn-nr,**
 CUR-ISN=isn
ADAN35 **ID=X'nnnnnnnn', {ACTIVE | SUSPENDED}**

Explanation: In response to the operator command DONLSTAT, this message lists all online processes present in the nucleus session, the kind of process, the file number, the current RABN or ISN (depending on the function), the ID of the process, and whether the process is active or suspended.

ADAN41 FUNCTION COMPLETED

Explanation: The command or function issued was completed successfully.

ADAN42 date time FUNCTION ACCEPTED

Explanation: The command issued was accepted by Adabas.

ADAN43 INVALID TYPE-IN: request

Explanation: Either the request “request” was invalid or it was not correctly entered.

User Action: Check the request/command syntax and validity, then retry the request.

- A request to end a nucleus session with DUMP is invalid, and should not be retried.
- An operator command to change the cache space parameters for a file (CFILE) that has an existing cache space is invalid. It is necessary to first delete the existing cache space and then add a new one with different parameters.

ADAN44 FUNCTION NOT EXECUTED

Explanation: Adabas could not perform the function because of

- space restrictions;
- a conflict between the requested command/function and the system status.

User Action: Check for other related messages, correct any previously indicated errors, then retry the operation. Otherwise, contact your DBA, system support personnel, or Software AG technical support.

ADAN45 USER DOES NOT EXIST

Explanation: The user specified in the request/command is either not active or not known to the system.

User Action: Check for the validity of the user ID or possible errors when the specified user ID was entered.

ADAN46 FUNCTION NOT EXECUTABLE

Explanation: The requested function/command was valid but could not be executed. This message may occur alone or preceded by one of the following ADAN46 messages, which provide reasons why the current nucleus status does not allow the requested function.

User Action: Wait a minute or two, then retry the command. If the message recurs, advise your system support personnel. If the message recurs while trying to issue a command in response to a previous error, make a note of that error and the related information for future reference.

ADAN46 ONLINE PROCESS RUNNING

Explanation: The ADAEND request was rejected because an online reorder or online invert process is running.

User Action: Request ADAEND again after the online process finishes. Consider using HALT to stop the online process and shut down the nucleus.

ADAN46 NOT YET SUPPORTED BY CLUSTER SERVICES

Explanation: The version of Adabas Cluster Services you are running does not support the requested function. The function is supported only by a nucleus running in noncluster mode.

ADAN46 FAILED TO ACQUIRE GLOBAL PARAMETER LOCK

Explanation: An error occurred when a nucleus running in Adabas cluster mode attempted to acquire the global parameter lock in order to change a global Adabas parameter. The parameter was not changed.

User Action: Contact your Software AG technical support representative.

ADAN47 ONLINE DUMP-DB IS RUNNING, FUNCTION NOT EXECUTED

Explanation: A SYNCC, ADAEND, HALT, or CANCEL operator command was issued, but is not permitted during the current online save operation.

User Action: Wait until the online save has ended, then retry the command.

ADAN47 NET-WORK TERMINATION target-node DUE TO CONFLICT

Explanation: In Entire Net-wWrk, target node IDs must be unique across all connected systems. If an attempt is made to connect to a target node ID that is not unique, the system terminates abnormally (ADAEND).

User Action: Identify the conflicting node IDs and determine which one is to be active under the specified ID number.

ADAN48 FILE CURRENTLY IN USE – FUNCTION NOT EXECUTED

Explanation: A LOCKF, LOCKU, or LOCKX operator command was issued but the file specified is currently in use.

User Action: Wait until the file is no longer in use, then retry the command.

ADAN48 FILE NOT LOADED

Explanation: The file specified in the ALOCKF function is not loaded.

**ADAN49 {user-id / job-name} BACKED OUT
{DURING SYSTEM OPEN | BY ADARES} UID=communication-id**

Explanation: The last, incomplete transaction of the specified user (or job, if the user is not displayable) has been backed out during Adabas session autorestart or at the end of REGENERATE processing. The user ID (or job name) and communication ID are shown.

The user ID is the user's ET-ID. For users without an ET-ID, "ADAEND" is displayed as their user ID.

The field following UID= is the last 8 bytes of the 28-byte communication ID of the user in hexadecimal format; that is, the terminal ID for an online user or a STCK time stamp for a batch or TSO user.

User Action: None required. This is an information message only. The transaction status of the specified users may need to be checked.

ADAN4A TRANS ET-SYNC POINT

Explanation: ET-SYNC has occurred for the TRANSACTIONS SUSPEND process. This message is followed by the ADAN4E message.

ADAN4B TRANS SUSPEND STARTED TT=time-limit

Explanation: All verifications in the nucleus are complete and the SUSPEND process has started. TT indicates when the transactions will time out. The TT value is derived either from the TTSYN parameter in the ADADBS TRANSACTIONS SUSPEND TTSYN=nn job or the nucleus default ADARUN TT setting.

ADAN4C TRANSACTIONS TT REJECTED

Explanation: TPC is in effect and there are transactions on PET status. This is followed by the ADAN4B message displaying the original TT value.

ADAN4D TRANS TIMER ELAPSED

Explanation: The timer specified by TRESUME in the ADADBS TRANSACTIONS SUSPEND process has been exceeded. The database returns to normal processing. This message is followed by the ADAN4F message.

ADAN4E UPDATES STOPPED. TRESUME=time-limit

Explanation: ET-SYNC has occurred for the SUSPEND function and updates are discontinued until either the RESUME function is issued or the timer specified by TRESUME expires.

ADAN4F NORMAL PROCESSING RESUMES

Explanation: The database once again accepts and processes update commands as a result of either the RESUME function or a timeout.

ADAN50 EXCLUDED FILES: file1 ...

Explanation: This message documents the files that were excluded from autorestart due to the ADARUN AREXCLUDE parameter. These files remain unavailable for normal users and must be recovered (restore – regenerate).

ADAN51 {OPER. | AOS–USER–}TYPEIN: command

Explanation: Adabas repeats the operator command “command” before continuing. The second message is written for an operator command issued by an Adabas Online System user.

**ADAN52 PARTIALLY INVERTED DESCRIPTOR {PRESENT | RELEASED}
DESCRIPTOR=descriptor, FILE=fnr**

Explanation: During session start, the nucleus detected the specified descriptor of the file ‘fnr’ left over from an incomplete online invert operation. If the previous session terminated abnormally, the nucleus automatically releases the incomplete descriptor.

User Action: If the nucleus did not release the descriptor and no regenerate on the file in question is to follow, release the incomplete descriptor using the AOS or ADADBS RELEASE function.

ADAN53 dbid WAITING TO SERIALIZE (rrrddddd)

Explanation: The nucleus is trying to perform an action that only one nucleus or utility can do at a time. Another nucleus or utility is performing a similar action at the moment, so this nucleus must wait. 'rrrddddd' identifies the logical resource used for serialization. The resource name comprises three letters followed by five digits representing the database ID. Possible resource names include:

- 'SSEddddd' for serializing nucleus session start and end.
- 'DIBddddd' for serializing DIB updates.
- 'FSTddddd' for serializing FST updates.

User Action: None required. This message is for information only.

If the nucleus hangs after displaying this message, another nucleus or utility is blocking the logical resource specified in the message. Identify the other job and either allow it to continue or terminate it.

ADAN54 dbid GLOBAL SERIALIZATION ERROR (rrrrrrrr)**ADAN54 dbid IOR FUNCTION = X'ff', RESPONSE = X'cc'**

Explanation: An attempt to lock or unlock a logical resource failed. The ADAIOR function number was 'ff' (in hexadecimal), its response code 'cc' (in hexadecimal). Depending on the circumstances, the nucleus terminates abnormally or ignores the error.

User Action: This is an unexpected error. Contact your Software AG technical support representative.

ADAN55 RECOVERY DATA FOUND ON WORK DATASET(S)

Explanation: During session start (or, with Adabas nucleus clusters, during online recovery), the Adabas nucleus found recovery data on the Work dataset (or Work datasets, in the case of nucleus clusters) that is needed to recover the database from a previous failure. The nucleus performs session autorestart logic.

ADAN56 BACKWARD REPAIR DONE**ADAN56 FORWARD REPAIR DONE****ADAN56 AUTOBACKOUT DONE**

Explanation: These messages are printed in series when different phases of the session autorestart have been completed successfully. Session autorestart repairs physical inconsistencies in the database, redoing updates belonging to completed transactions and backing out updates belonging to incomplete transactions.

**ADAN58 BUFFER-FLUSH START RECORD DETECTED DURING
AUTORESTART.**

**THE NUCLEUS WILL T E R M I N A T E AFTER AUTORESTART.
IN CASE OF POWER FAILURE, THE DATABASE MIGHT BE
INCONSISTENT BECAUSE OF PARTIALLY WRITTEN BLOCKS.
O N L Y IN THIS CASE, REPAIR THE DATABASE BY RESTORE AND
REGENERATE; OTHERWISE RESTART THE NUCLEUS.**

Explanation: An autorestart operation found that a buffer flush was being performed when the action that caused the autorestart occurred; the buffer flush was therefore incomplete. The nucleus completes autorestart processing before terminating.

- If the cause of the autorestart was a power failure, the database may be inconsistent in a way that cannot be repaired by autorestart.
- If the cause of the autorestart was **not** a power failure, the database has already been made consistent and needs only to be restarted.

User Action: If a power failure caused the autorestart and your storage subsystem does not guarantee that no block is partially written, perform the following utility operations to ensure database consistency:

- ADASAV RESTORE (database)
- ADARES REGENERATE

If your storage subsystem technology does guarantee that no block is partially written, even in the case of power failure, there is no need to restore/regenerate after this message is received: simply restart the nucleus.

You may restrict the RESTORE – REGENERATE to the files modified by autorestart (see the ADAN5A message) but be sure to run the REGENERATE FILE with transaction logic (autobackout at the end of the regenerate) by specifying the ADARES parameter CONTINUE.

If the autorestart operation was **not** caused by a power failure, **do not** perform the utility operations described above. Simply restart the nucleus.

**ADAN59 ABEND Ucode AT address [= module+offset]
 ADAN59 register-00 register-01 register-02 register-03 (R0-R3)
 ADAN59 register-04 register-05 register-06 register-07 (R4-R7)
 ADAN59 register-08 register-09 register-10 register-11 (R8-RB)
 ADAN59 register-12 register-13 register-14 register-15 (RC-RF)**

Explanation: An internal error occurred that caused the nucleus to terminate abnormally. The message shows the ABEND code and the address, if possible also the module and offset, where the error was detected, as well as the contents of the general registers at that time.

Action: Contact your Software AG technical support representative.

ADAN5A FILES MODIFIED DURING AUTORESTART: {NONE | file-list}

Explanation: During nucleus startup, an autorestart was performed that modified the files listed in the message text.

ADAN60 ARM ELEMENT element-name SUCCESSFULLY REGISTERED/DEREGISTERED

Explanation: The ARMNAME parameter has been specified and the nucleus has successfully registered or deregistered this element with the Automatic Restart Manager (ARM).

**ADAN61 ARM REGISTERING /DEREGISTERING FAILED
ADAN61 ARM REASON CODE=X“xxx”**

Explanation: The ARMNAME parameter has been specified, but registering or deregistering with the Automatic Restart Manager (ARM) has failed. ARM has returned the reason code shown. The possible reason codes are described in the IBM manual *MVS Programming: Sysplex Services Reference*, Chapter IXCARM Macro, Section Return and Reason Codes. Common reason codes include:

- X'002C' The ARMNAME parameter value is invalid.
- X'013C' The Adabas nucleus has improper SAF authorization to register with ARM.
- X'0150' ARMNAME is not unique across the sysplex.
- X'0004' The system does not support ARM.

The nucleus ignores the error and continues processing.

User Action: Look up the meaning of the reason code. If this explains the error, correct it. Otherwise, contact your systems programmer or your Software AG technical support representative.

ADAN62 FNR=fnr A= U= ID= CA= CU=

Explanation: This message is displayed in response to the DNFV operator command.

ADAN65 TSP SUBSYSTEM (nn) name HAS ABENDED

Explanation: The triggers and stored procedures facility has been activated for the current session. However, subsystem number “nn”, batch Natural nucleus “name”, terminated abnormally and will **not** restart.

Action: Determine the cause of the ABEND and correct the problem.

ADAN76 I/O-ERROR {ASSO | DATA | WORK} RABN=rabn-number

Explanation: The Adabas nucleus detected an internal I/O error.

User Action: Contact your Software AG technical support representative.

**ADAN77 SECURITY VIOLATION. USER=user-id JOBNAME=job-name
ETID=et-id**

Explanation: User “user-id” attempted to use a file for which that user is not authorized. The active job is “job-name”.

User Action: Refer to the command log entry for the failed command to determine if any corrective action is needed.

ADAN78 function EXTENT**ADAN78 NUCLEUS TERMINATED AFTER { ASSO | DATA } function**

Explanation: The function INCREASE or ADD for an Associator or Data Storage extent has been performed by the nucleus. The nucleus terminates and permits the newly added part of the Associator to be allocated and formatted, which is necessary before another Adabas session can be started and the new extent can be used.

User Action: Perform the necessary allocation/reformatting utility operations, and then restart the nucleus.

**ADAN79 I/O - E R R O R DURING ASYNCHRONOUS BUFFER FLUSH
ADAIOR-RESP = hex-resp
THE NUCLEUS TERMINATES WITH DUMP**

Explanation: An I/O error occurred during asynchronous buffer flush operation. The nucleus ends operation.

User Action: Correct the cause of the I/O error.

ADAN7A ECS ERROR error-number IN FUNCTION ecs-function

Explanation: ECS is the Entire Conversion Services, a subsystem of the Adabas universal encoding support (UES) system. This message is written after a function of the subsystem has failed. The following ECS functions may return errors:

| | |
|----------|--|
| ECS LOAD | An error loading ECS. Check that the ECS load module is in the Adabas load library. |
| APS INIT | An error occurred during APS (POSIX Services) initialization. Verify that the APS library is in the load library concatenation and/or that the APS parameters are specified in SYSPARM. |
| SLIBLOAD | An error loading SAGECS, SAGOVO, or SAGSMP2. Check that these modules from the Software AG base technology (BTE) library can be found in the load library concatenation. |
| DDEC SOJ | An error occurred during initialization while reading ECS standard conversion objects. Check that the nonexecutable binary ECS conversion object library is specified in the DDEC SOJ DD statement of the JCL. |

GETHANDLE nnnn An error occurred reading the ECS encoding descriptor object EDDnnnn. Check that the non-executable binary ECS conversion object library is specified in the DDEC SOJ DD statement of the JCL. Check that EDDnnnn is contained in the library. If it is not, then either an invalid number was specified or the object is missing and must be added.

GETHANDLE mmmm/nnnn See the GETHANDLE nnnn explanation. In this case, an ECS plane table object (PTO) is missing Txxx2yyy where “xxx” or “yyy” are the hexadecimal value of the decimal “mmmm” or “nnnn”, respectively. For some conversion combinations, it may be necessary to request additional PTOs from your Software AG support representative.

User Action: Resolve the problem and try again.

ADAN7C ENTIRE CONVERSION SERVICES v.r.s INITIALIZED

Explanation: The specified version of Entire Conversion Services was successfully initialized.

ADAN7D COLLATION EXIT nn INITIALIZED

Explanation: The specified collation descriptor user exit was successfully initialized.

ADAN80 ADABAS DYNAMIC CACHING ENVIRONMENT ESTABLISHED

Explanation: Adabas Caching Facility was successfully initialized.

ADAN80 ADABAS DYNAMIC CACHING VIRTUAL 64 ENVIRONMENT AVAILABLE

Explanation: Adabas Caching Facility determined that 64-bit virtual storage is available for use.

ADAN80 ADACSH ACTIVE FOR WORK PART 2 AND WORK PART 3 ONLY

Explanation: In an Adabas nucleus cluster environment prior to version 7.2, caching is available only for Work parts 2 and 3.

ADAN81 W A R N I N G: NOT ALL BLOCKS OF THE DB ARE ALLOCATED AND FORMATTED – RUN ADAREP TO CHECK THE DB'S SIZE

Explanation: The highest RABN of an ASSO or DATA extent, as defined in the GCB, is not readable. Most likely, an Adabas Online System or ADADBS INCREASE function was performed without allocating and formatting the new database area. The nucleus continues. Any attempt to access an unallocated area of the database causes an I/O error.

User Action: Ensure that the defined extents are completely allocated and formatted.

**ADAN81 NO STATISTICS AVAILABLE FOR FILE file-number
FILE NOT USED**

Explanation: An attempt was made to change cache space parameters for a file without first deleting its existing cache space.

Action: Delete the existing cache space for the file; then add a new cache space with the changed parameters.

ADAN81 (see explanation below)

Explanation: This message displays the output of the CSTAT, CFSTAT, and CSUM operator commands of the Adabas Caching Facility. See the *Adabas Caching Facility Manual* for more information.

The CSTAT command is used to display the current cache space statistics. A sample report display is shown below:

```

+-----+
+ 005 DATA SPACE, DATA, RABNS 81 THRU 135      +
+-----+
+ ALLOCATED, LA=17:04:26
+-----+
+          253 CACHE WRITES +          47 BLKS IN CACHE +
+           47 READ EXCPS  +        172,032 DATA SPC SIZE +
+          408 CACHE READS +           55 BLKS/DATA SPC +
+          455 TOTAL READS +          1320 INDXSPCE SIZE +
+          89.6 DSP EFFICIENCY+        167,936 MAX DSP USED  +
+   0.071810 MAX NIOT (SEC)+   0.698682 MAX EXCPT(SEC)+
+   0.000080 MIN NIOT (SEC)+   0.009600 MIN EXCPT(SEC)+
+   0.000245 AVE NIOT (SEC)+   0.167286 AVE EXCPT(SEC)+
+-----+

```

The CFSTAT command is used for file-level caching to display the current cache space statistics for one or more files. When file-level caching is active, a report is produced for each RABN range associated with the file request. A sample report display is shown below:

```

+-----+
+ FNR 00001 AC CL1 EXT RABNS 91 THRU 93
+-----+
+   ALLOCATED, LA=09:55:36
+-----+
+          60 CACHE WRITES +           0 BLKS IN CACHE +
+           2 READ EXCPS  +    32,767,404 EXTM  SIZE  +
+          52 CACHE READS +        16,351 BLKS/EXTM  +
+          54 TOTAL READS +           28 RABN TAB SIZE +
+          96.2 ESP EFFICIENCY+         4,008 MAX ESP USED  +
+   0.001503 MAX NIOT (SEC)+   0.092800 MAX EXCPT(SEC)+
+   0.000018 MIN NIOT (SEC)+   0.092071 MIN EXCPT(SEC)+
+   0.000062 AVE NIOT (SEC)+   0.092435 AVE EXCPT(SEC)+
+-----+

```

The CSUM command is used to display, for a session, the accumulated cache summary for all active and inactive cache spaces, including statistics from previously deleted cache spaces. A sample report display is shown below:

```

+-----+
+ A D A B A S DYNAMIC CACHING SESSION SUMMARY          +
+           52.5 CURRENT ADABAS BUFFER EFFICIENCY      +
+           7.2 PROJECTED NON-CACHE BUFFER EFFICIENCY  +
+           3 ACTIVE CACHE SPACES                     +
+           4 CACHE SPACES DEFINED                     +
+ -----ASSO-----DATA-----WORK----- +
+ CACHE WRITES           27,367           6,674           212 +
+   READ EXCPS              78             444             0 +
+   CACHE READS           27,288           6,203           4,865 +
+   TOTAL READS           27,366           6,647           4,865 +
+   EFFICIENCY             99.7            93.3            100.0 +
+-----+

```

ADAN82 STATUS SWITCH
ADAN82 READONLY = {YES | NO}

Explanation: The READONLY status of the nucleus has been switched. This message occurs as a response to the operator command or Adabas Online System function READONLY.

**ADAN83 STATUS SWITCH
ADAN83 UTIONLY = {YES | NO}**

Explanation: The “utility use only” (UTIONLY) status of the nucleus has been switched. This message occurs as a response to the operator command or Adabas Online System function UTIONLY.

**ADAN84 LP PARAMETER HAS BEEN INCREASED. ADDITIONAL
ADAN84 PROTECTION AREA BLOCKS ARE BEING FORMATTED.**

Explanation: The ADARUN LP parameter was increased in the current Adabas session. Therefore, additional Work part 1 RABNs had to be formatted.

User Action: None required. Consider increasing the Work dataset to ensure that sufficient Work part 3 space is available.

ADAN85 WORK PART 4 PROBLEM DETECTED DURING START-UP

Explanation: During system startup and Work part 4 interpretation of a nucleus defined with DTP=RM, a problem was detected with Work part 4. This message is following by ADAN86.

User Action: Examine error ADAN86 for the cause of the error.

**ADAN86 WK4 I/O ERROR WAS DETECTED
ADAN86 {RABN=__ IOR-RESP=__ | RESP-CODE=__ SUBCODE=__}**

Explanation: During system startup and Work part 4 interpretation of a nucleus defined with DTP=RM, a Work part 4 I/O error was detected. This message follows ADAN85 and indicates either the RABN location and ADAIOR response code of the error or the nucleus response code and subcode of the error.

User Action: Determine the cause of the error, correct it, and rerun.

ADAN87 WK4 AREA TOO SMALL
ADAN87 THE NUCLEUS WILL TERMINATE
ADAN87 INCREASE LDTP PARM AND RERUN

Explanation: During startup of a nucleus defined with DTP=RM when it is necessary to copy partially completed transactions or during an ADARES REGENERATE for all files, insufficient space was available in Work part 4 to reestablish the previous environment.

Action: Because the nucleus cannot reestablish the previous environment and cannot terminate the incomplete transaction(s) heuristically, it terminates.

User Action: Increase the size of the Work part 4 area using the ADARUN LDTP parameter and rerun.

ADAN88 (RM=YES) ABEND

Explanation: During initialization of a nucleus defined with DTP=RM, a logic error was detected.

Action: The nucleus terminates abnormally with ABEND 19. The registers at entry to the ABEND and the load addresses of ADANC0-ADANCB are printed.

User Action: Contact your local Software AG technical support representative.

ADAN89 DTP reserved

ADAN8A FILE ALREADY BEING CACHED

Explanation: The file specified for caching is already being cached by Adabas Caching Facility. This error can occur if you use operator or Adabas Online System commands in an attempt to define different types of memory to cache Associator and Data Storage RABNs of the same file.

User Action: It is possible at startup using ADARUN CFILE parameters to specify different types of memory to cache Associator and Data Storage RABNs of the same file. However, once a memory type is set for caching any RABNs of a file, Adabas Online System and operator commands do not allow you to specify any other memory type for the same file. If you want to change the memory type for the file, you must delete the existing cache space and then add a new one with different parameters.

ADAN8C MEMORY ALLOCATION FAILURE OR INSUFFICIENT SPACE AVAILABLE

Explanation: ADACSH could not acquire space for its working areas. Adabas Caching Facility is not started and the associated message ADAN8H is displayed.

User Action: Increase the region, partition, or address space size.

ADAN8D zzz (aaaa) CACHE ACTIVE

Explanation: A RABN range has been activated. This generally occurs when Adabas writes a RABN from its buffer pool to cache storage.

zzz type of RABN range (DSP for data space; ESP for extended memory; HSP for hiperspace; V64 for virtual 64; or FNR for file-related)

aaaa type of RABN range storage (ASSO, DATA or WORK)

**ADAN8E {TRACK | HIPERSPACE} I/O BUFFER ALLOCATION FAILURE
ADAN8E CSP (ASSO) RABNIDX ALLOCATION FAILURE**

Explanation: Adabas Caching Facility could not allocate storage for the track or hiperspace I/O buffer, or for RABNIDX blocks. When the track I/O buffer is not available, a RABN I/O request being considered for read-ahead caching is issued normally. When the hiperspace I/O buffer is not available, caching using hiperspaces is not possible. When the RABNIDXes for a cache space area are not available, the attempt to allocate the associated cache space area fails and is not attempted again until at least CRETRY seconds have elapsed.

User Action: Increase the region, partition, or address space size.

ADAN8H ADABAS DYNAMIC CACHING IS -NOT- IN SERVICE

Explanation: Adabas Caching Facility was not activated due to a previous parameter specification or error condition.

ADAN8J CSP nnn (aaaa) RELEASED DUE TO PARALLEL UTILITY OPERATION

ADAN8J xxx BLKS RELEASED DUE TO PARALLEL UTILITY ON FNR y

Explanation: Depending on the utility, Adabas Caching Facility acted to maintain database integrity by releasing an entire cache space or a number of cache blocks because of a parallel utility operation.

nnn cache space number
 aaaa type: ASSO, DATA or WORK
 xxx number of blocks released
 y the file that owned the released blocks

ADAN8K zzz (aaaa) RELEASED AFTER EXCEEDING NON-ACTIVITY TIME LIMIT

Explanation: A cache storage area was released after it was inactive for a continuous elapsed time period of CCTIMEOUT seconds.

zzz type of cache space area (DSP for data space; ESP for extended memory; HSP for hiperspace; V64 for virtual 64)
 aaaa type: ASSO, DATA or WORK.

ADAN8L zzz nnnnn (aaaa) ACTIVE, RABNS xxx THRU yyy

Explanation: This message is displayed whenever a RABN range is activated. This generally occurs when Adabas writes a RABN from its buffer pool to cache storage.

zzz type of RABN range (DSP for data space; ESP for extended memory; HSP for hiperspace; V64 for virtual 64; or FNR for file-related)
 nnnnn file number when “zzz” is FNR; otherwise, the RABN range ID
 aaaa type of RABN range storage (ASSO, DATA or WORK)
 xxx,yyy from, through RABN range

ADAN8M zzz (aaaa) SIZE EXTENDED TO yyy BYTES
ADAN8M zzz (aaaa) EXTENSION FAILED

Explanation: An attempt was made to add an additional cache storage area for a cache space.

zzz type of cache space area (DSP for data space; ESP for extended memory; HSP for hiperspace; V64 for virtual 64)
 aaaa type of cache space area storage (ASSO, DATA or WORK)
 yyy size of new area, in bytes

When the request is successful, the additional storage is available for the cache space and “yyy” reflects the size of the new area which is equal to the current CASSOMAXS or CDATAMAXS setting.

If unsuccessful, the system simply uses the storage areas already allocated for the cache space until CRETRY seconds pass. Then another attempt is made to add a new storage area for the cache space if this is still required.

User Action: Check with the system programmer; the extension failure may be due to insufficient ESA capabilities (memory or page datasets), or too many data spaces or hiperspaces allocated at one time.

ADAN80 AOS OPERATOR COMMAND: xxxxx

Explanation: An Adabas Online System (AOS) operator issued a command to change one of the Adabas Caching Facility system parameters.

xxxxx Change as follows:
 CASSOMAXS=new size
 CDATAMAXS=new size
 CCTIMEOUT=new value
 CDISPSTAT=YES/NO
 CRETRY=new value
 CBUFNO=new value
 CEXCLUDE=exclude list
 CINCLUDE=include list

ADAN8P zzz nnnnn (aaaa) DISABLED AFTER EXCEEDING NON-ACTIVITY TIME LIMIT

Explanation: Demand caching is in effect and a RABN range or file has been inactive for a period longer than the CCTIMEOUT specification.

zzz type of RABN range (DSP for data space, ESP for extended memory, HSP for hiperspace; V64 for virtual 64; or FNR for file-related)

nnnnn file number when “zzz” is FNR; otherwise, the RABN range ID

aaaa type of RABN range storage (ASSO only, DATA only, WORK, or BOTH if both ASSO and DATA are cached for the file)

ADAN8Q HIPERSPACE READ/WRITE ERROR. RETCODE = nn

Explanation: An error occurred during the processing of a hiperspace cache request.

nn the system return code from the request

Generally speaking, this error causes a request to write to or read from a hiperspace cache to fail. In most cases, the system can continue by reading the RABN from disk or writing, ignoring the request from the nucleus.

However, where Work parts 1 or 2 are being cached 100%, the failure of a request to return a cached RABN may have more serious consequences because there is no copy of the RABN on disk and therefore the I/O cannot be satisfied.

User Action: Determine if the error was caused by some event or problem in the system that could impact on hiperspaces used by Adabas Caching Facility. If there is nothing evident, report the error and the circumstances surrounding the error to your Software AG technical support representative.

ADAN8R INSUFFICIENT STORAGE FOR xxxx

Explanation: An attempt to allocate dynamic storage in extended memory failed due to a shortage of space in extended memory.

xxxx one of the following that the storage was intended for:

| | |
|----------------------|-------------------------------------|
| File table | table of file control block entries |
| File control block | required for file caching |
| RABN extent block | required to define one RABN extent |
| RABN table | required to describe RABNs cached |
| RABN table expansion | required when file becomes larger |

User Action: Review your storage estimates to insure that there is sufficient storage available for the parameters specified.

ADAN8R HIPERSPACE WRITE ERROR. RETCODE = nn

Explanation: The write to hiperspace operation returned a nonzero condition code. The requested RABN is not written to hiperspace and is flagged as unused.

User Action: No operator intervention is required.

ADAN8S zzz (aaaa) ALLOCATE FAILED. RETCODE = nn

Explanation: An attempt to allocate the first storage block for a cache area failed.

zzz type of cache space area (DSP for data space; ESP for extended memory; HSP for hiperspace; V64 for virtual 64)
aaaa type of cache space area storage (ASSO, DATA, or WORK)
nn return code from the system function used to allocate the storage.

No storage is available for caching the RABNs for which the cache storage allocation was attempted. The situation continues at least until CRETRY seconds have elapsed and another attempt to allocate the storage is made, if required.

ADAN8U zzz nnnnn (aaaa) ENABLED ON DEMAND

Explanation: This message is displayed for each inactive RABN range or file that is enabled when the Adabas buffer efficiency drops below the specified CDEMAND threshold level.

zzz type of RABN range (DSP for data space; ESP for extended memory; HSP for hiperspace; V64 for virtual 64; or FNR for file-related)

nnnnn file number when “zzz” is FNR; otherwise, the RABN range ID

aaaa type of RABN range storage (ASSO only, DATA only, WORK, or BOTH if both ASSO and DATA are cached for the file)

ADAN8V parameter list

Explanation: This message is displayed in response to the CPARM operator command. The parameters displayed are:

| | |
|--------------|------------------------------------|
| CASSOMAXS | maximum ASSO cache space size |
| CDATAMAXS | maximum DATA cache space size |
| CDISPSTAT | display to console option |
| CDEMAND | Adabas buffer efficiency threshold |
| CMAXCSPS | maximum number of cache spaces |
| CRETRY | retry time interval |
| CCTIMEOUT | non-activity time limit |
| CWORKSTORAGE | Work parts 2 and 3 cache type |
| CWORK2FAC | Work part 2 cache space factor |
| CWORK3FAC | Work part 3 cache space factor |

ADAN8W FNR nnnnn (aaaa) SYNCHRONIZED

Explanation: When Adabas Caching Facility first accesses a RABN belonging to a file to be cached, it learns about the extents and RABNs associated with the file and synchronizes its view of the file with the file's FCB.

If ADASCR detects that the structure of the file has changed (e.g., a new extent is added), ADASCR resynchronizes its view of the file at the next possible opportunity and issues this message.

nnnnn file number

aaaa what is being cached for the file (ASSO only, DATA only, or BOTH if both ASSO and DATA are being cached)

ADAN8Y FILE-LEVEL CACHING INITIALIZED

Explanation: File-level caching is active for the current nucleus.

ADAN8Z LOGIC ERROR IN ADACSH+XXXXXXXXXX

Explanation: A logic error occurred during Adabas Caching Facility processing.

User Action: Report the error and the hexadecimal offset to your Software AG technical support representative.

ADAN90 TSP GETMAIN FAILED

Explanation: The Adabas trigger driver was unable to obtain enough storage within the region or address space to set up its I/O buffers.

User Action: Determine the source of the problem and correct it. Try increasing the region size for the MPM.

ADAN91 TSP GETMAIN FAILED. INCREASE REG. SIZE

Explanation: The Adabas trigger driver was unable to obtain enough storage within the region or address space to set up its I/O buffers.

User Action: Increase the region size for the MPM.

ADAN92 TSP INITIALIZATION COMPLETED

Explanation: The triggers and stored procedures facility was initialized successfully. Commands for detecting triggers are now processed.

ADAN92 TSP TRIGGER REFRESH IN PROGRESS

Explanation: A request to refresh the trigger table buffer was made and the Adabas system is being quiesced in order to perform this function.

ADAN93 TSP HAS BEEN DEACTIVATED VIA AOS (SYSTRG)

Explanation: The ADARUN parameter SPT=YES was specified; however, because the database administrator has overridden this using the Adabas triggers subsystem, triggers will not be activated.

User Action: To reactivate triggers, access the Adabas triggers subsystem function “modify profile information” (located on the Miscellaneous Functions Menu), and change the triggers status field in the profile to “active”.

ADAN93 TSP CANNOT BE RUN IN SINGLE USER MODE

Explanation: The Adabas nucleus has been started with SPT=YES and MODE=SINGLE. This is not allowed.

User Action: Start the nucleus with MODE=MULTI in the ADARUN parameters (DDCARD), or specify SPT=NO.

ADAN93 TSP INCURRED AN INTERNAL ERROR WITH CLUSTER

Explanation: During the start-up of the Adabas trigger driver, certain communication must occur with Adabas Parallel Services if it is active. The Adabas trigger driver was unable to complete the communication.

User Action: After obtaining a dump, contact your Software AG technical support representative and report the error.

ADAN93 TSP TRIGGER REFRESH COMPLETED

Explanation: The trigger table buffer was refreshed. The triggers have been reloaded and the Adabas nucleus will continue to run normally.

ADAN93 TSP TRIGGER REFRESH INCURRED AN ERROR

Explanation: During the refresh of the trigger table buffer, an error occurred. This error was identified by a previous console message. The error causes an inconsistent state in the triggers subsystem that necessitates a shut-down as indicated in the error action option setting in the profile.

User Action: Review previous console messages to determine the error. Correct it and, if necessary, restart the nucleus to restart the triggers subsystem.

ADAN94 TSP UNABLE TO READ THE TRIGGER FILE FDT

Explanation: During the triggers initialization process, Adabas needs to read the trigger file FDT; however, the FDT could not be found. As a result, triggers will not be activated.

User Action: Determine the reason why the FDT could not be found and correct the problem. Ensure that the file was correctly loaded as a system file.

ADAN95 TSP UNABLE TO READ THE TRIGGER FILE FCB

Explanation: During the triggers initialization process, Adabas needs to read the trigger file FCB; however, the FCB could not be found. As a result, triggers will not be activated.

User Action: Determine the reason why the FCB could not be found and correct the problem. Ensure that the file was correctly loaded as a system file.

ADAN96 TSP INCURRED RESP xxx READING TRIGGERS

Explanation: During the triggers initialization process, Adabas needs to read the entries from the trigger file; however, a nonzero response code was received. As a result, triggers will not be activated.

User Action: Determine the source of the problem; that is, analyze the response code and take the necessary action to resolve the problem.

ADAN99 TSP HAS IGNORED TRIGGERS GT FILE nnnnn

Explanation: An attempt was made to process triggers that are assigned to file numbers greater than the maximum acceptable file number; that is, the highest loaded file plus 10.

User Action: This message is a warning. Triggers should not be assigned to file numbers greater than the maximum file number allowed.

ADAN9A TSP CNTL DATA MISSING ON TRIG FILE (nnnnn)

Explanation: During the triggers initialization process, Adabas needs to read the profile definition from the trigger file; however, the profile definition could not be found. As a result, triggers will not be activated.

User Action: Using the Adabas triggers subsystem, add a profile for the subsystem.

ADAN9B TSP UNABLE TO READ TRIGGER CONTROL DATA

Explanation: During the triggers initialization process, Adabas needs to read the profile definition from the trigger file. However, an internal error occurred during the read. As a result, triggers will not be activated.

User Action: Determine the cause of the error and correct it using the Adabas triggers subsystem. Possibly modify the profile again to ensure that it is correct.

ADAN9C TSP COULD NOT GET WORK AREA. CHECK LWP

Explanation: During the triggers initialization process, Adabas needs to acquire space for its buffer, but insufficient space was found. This can occur if the value specified for the LWP ADARUN parameter is too small. As a result, triggers will not be activated.

User Action: Check the value specified for the LWP ADARUN parameter and increase it as appropriate.

ADAN9D TSP NO TRIGGER FILE DEFINED

Explanation: The Adabas nucleus started with SPT=YES; however, no trigger file exists for this database. As a result, triggers will not be activated.

User Action: Either set SPT=NO or load a trigger file that contains at least one trigger definition onto the database.

ADAN9E TSP MISSING MODULE FOR SUBSYSTEM

Explanation: During the triggers initialization process, Adabas needs to start the subsystems for the execution of procedures; however, the name specified was invalid. As a result, triggers has been deactivated.

User Action: Check the batch Natural name setting in the Adabas triggers and stored procedures profile. Also ensure that the Natural nucleus module is concatenated in the JCS/JCL startup and is a loadable module.

ADAN9F TSP TERMINATED THE NUCLEUS DUE TO ERRORS

Explanation: A serious or fatal error occurred that created an inconsistent state in the system. The nucleus has been shut down.

User Action: Review previous console messages to determine the error. Correct it and restart the nucleus to restart the triggers subsystem.

ADAN9F TSP HAS BEEN DEACTIVATED DUE TO ERRORS

Explanation: Triggers incurred one or more errors and has been deactivated. The error action taken depends on the error action setting in the Adabas triggers and stored procedures profile.

User Action: Review previous console messages to determine the cause of the errors and correct the problem.

**ADAN9I TSP SUBSYSTEM (nn) name HAS ABENDED / SSF ERROR
RETURN CODE code**

Explanation: “nn” is the unique number and “name” is the name of the Natural nucleus subsystem. The specified subsystem incurred an error and terminated abnormally. The Adabas trigger driver will try three times to restart it. A subsequent message will inform the user of the type of ABEND.

User Action: Determine the cause and resolve the problem. The return code “code” given should provide additional information.

ADAN9J TSP SUBSYSTEM (nn) name SHUT DOWN

Explanation: “nn” is the unique number and “name” is the name of the Natural nucleus subsystem. Either a request was made to shut down the specified subsystem or three consecutive ABENDs have occurred and the Adabas trigger driver has decided to deactivate the subsystem.

User Action: Determine the cause and resolve the problem. The return code given should provide additional information.

ADAN9K TSP SUBSYSTEM (nn) name CQE TIMED OUT

Explanation: “nn” is the unique number and “name” is the name of the Natural nucleus subsystem. During the processing of a trigger, it was detected that the originating command had timed out. The trigger will not be processed successfully.

User Action: Retry the command.

ADAN9K TSP SUBSYSTEM (nn) name CANCELLED

Explanation: “nn” is the unique number and “name” is the name of the Natural nucleus subsystem. The specified subsystem was cancelled when a timeout occurred for a procedure that was executing in the subsystem. The subsystem will be restarted. A previous message gives specifics about the cancellation.

User Action: Determine the cause and resolve the problem. The reason code given should provide additional information.

ADAN9K TSP SUBSYSTEM (nn) name INITIALIZED

Explanation: “nn” is the unique number and “name” is the name of the Natural nucleus subsystem. During the triggers initialization process, a specified number of Natural subsystems will be started for the execution of procedures. This message informs the user of the successful initialization of each subsystem.

User Action: No action is required. The subsystem will wait for work.

ADAN9K TSP REQUESTED: HALT

Explanation: The Error Action field in the Adabas triggers and stored procedures profile is set to “halt”, and either a fatal error occurred or Adabas Online System requested a shut-down of the Adabas triggers subsystem.

User Action: Review previous messages to determine whether a problem occurred and, if so, correct the problem.

**ADAN9L TSP TIMEOUT ON PROC proc-name JOB job-name
CMD yy FNR nnnnn FIELD_UID xxxxxxxxxxxxxxxxx**

Explanation: The Adabas trigger driver determined that a triggered procedure exceeded the specified time limit. The procedure was cancelled so that processing can continue with another procedure and queueing can be prevented. UID is the last 8 bytes of the user ID in hexadecimal, as specified in the UQE.

User Action: Check the procedure. Determine if it was looping, is doing too much work, or if the time-out parameter is too low. Correct the problem for the next time.

ADAN9L TSP SUBSYSTEM (nn) name SHUT DOWN

Explanation: “nn” is the unique number and “name” is the name of the Natural nucleus subsystem. The shut-down of triggers has completed successfully. This message is shown for each subsystem.

ADAN9L *STORED PROCEDURE REQ ** UID xxxxxxxxxxxxxxxx

Explanation: The Adabas trigger driver determined that a particular stored procedure exceeded the specified time limit. The procedure has been cancelled so that processing may continue with another procedure and queueing may be prevented. UID is the last 8 bytes of the user ID in hexadecimal, as specified in the UQE.

User Action: Check the procedure. Determine if it was looping, is doing too much work, or if the time-out parameter is too low. Correct the problem for the next time.

ADAN9M TSP WAITING ON UID user-id

Explanation: Triggers is shutting down and must queue the subsystems. However, a procedure is still running. The user ID (UID) is provided to help the database administrator investigate a potential problem.

User Action: No action is necessary. However, the database administrator may not want the Adabas trigger driver to wait; therefore, the user's procedure may be stopped.

ADAN9N TSP SUBSYSTEM (nn) name CANCELLED

Explanation: "nn" is the unique number and "name" is the name of the Natural nucleus subsystem. Subsequent to ADAN9N, the Adabas trigger driver decided not to wait for the specified subsystem to complete processing; therefore, the subsystem was cancelled.

User Action: This message is for information only. No action is required.

ADAN9O TSP SUBSYSTEM SHUTDOWN IN PROGRESS

Explanation: Either the nucleus is terminating (ADAEND or HALT) or the triggers and stored procedures facility has requested a halt, probably due to an error, and the Adabas trigger driver has also been requested to shut down.

User Action: No action is required. The user is informed that this is in progress.

ADANA1 SMGT DISPLAY ACTIVE DUMP={ON | OFF}

Explanation: A display command is about to be processed with (ON) or without (OFF) a formatted dump.

ADANA2 SMGT {ACTIVE | NOT ACTIVE}

Explanation: Indicates whether the error handling and message buffering facility is active in the nucleus.

ADANA3 ABNORMAL TERMINATION HANDLER {ACTIVE | NOT ACTIVE}

Explanation: Indicates whether the error handling and message buffering facility's abnormal termination handler is active.

ADANA5 NO ERROR CONDITIONS HANDLED

Explanation: The error handling and message buffering facility has not encountered any of the errors it is looking for.

ADANA6 LAST ERROR OCCURRED AT: date time

Explanation: Indicates the date (yyyy-mm-dd) and time (hh:mm:ss) of the most recent error handled by the error handling and message buffering facility.

**ADANA7 CONDITION: {MVS-abend-code | RSP: rsp-code}
LOCATION: location**

Explanation: Identifies the abnormal termination that has occurred or the response code that has been received and indicates the location (if any) of the most recent error handled by the error handling and message buffering facility. Explanations of MVS abnormal termination codes can be accessed from the *System Codes Manual* on the IBM web site at <http://ppdbooks.pok.ibm.com:80/cgi-bin/bookmgr/bookmgr.cmd/BOOKS/IEA1H706/CCONTENTS>

ADANA8 count EXECUTIONS OF ABNORMAL TERMINATION HANDLER

Explanation: Indicates the number of times an error or ABEND code is trapped and actually handled by the error handling and message buffering facility.

ADANA8 count EXECUTIONS OF RESPONSE CODE HANDLER

Explanation: Indicates the number of times a response code is actually handled (that is, a PIN routine is invoked) by the error handling and message buffering facility.

ADANA8 count EXECUTIONS OF TOTAL ERROR RECOVERY CALLS

Explanation: Indicates the total number of times the error handling and message buffering facility is invoked to handle a condition (response code or ABEND code).

ADANA9 LAST ERROR HANDLED BY PIN pin-number

Explanation: Indicates the PIN routine invoked by the error handling and message buffering facility to handle the most recent error encountered.

ADANAA xxx CONDITION PIN ROUTINES RECOVERED yyy ERRORS

Explanation: Indicates the number of condition-handling PIN routines invoked and the number of errors they recovered.

ADANAB xxx LOCATION PIN ROUTINES RECOVERED yyy ERRORS

Explanation: Indicates the number of location-only PIN routines invoked and the number of errors they recovered.

ADANAC xxx RESPONSE PIN ROUTINES RECOVERED yyy ERRORS

Explanation: Indicates the number of response-code PIN routines invoked and the number of errors they recovered.

ADANAD xxx TOTAL PIN ROUTINES RECOVERED yyy ERRORS

Explanation: Indicates the total number of PIN routines invoked and the number of errors they recovered.

ADANAE MESSAGE BUFFERING IS {ACTIVE | NOT ACTIVE}

Explanation: Indicates whether message buffering in the error handling and message buffering facility is active.

ADANAF nnn MESSAGES IN BUFFER FROM date time

Explanation: Indicates the number of messages currently in the message buffer and the date (yyyy-mm-dd) and time (hh:mm:ss) of the oldest message.

**ADANAG PIN nnnn USES: nnnn
CONDITION: {MVS-abend-code | RSP: rsp-code}
{THIS PIN VALID FOR ALL LOCATIONS routine-name |
LOCATION: hexno hexno (routine-name) }**

Explanation: Provides information about an active (PIN) or inactive (*PIN) routine: the number of times used, the condition it handles (the abnormal termination that occurred or the response code that was returned), and the location(s) for which it is valid. Explanations of MVS abnormal termination codes can be accessed from the *System Codes Manual* on the IBM web site at <http://ppdbooks.pok.ibm.com:80/cgi-bin/bookmgr/bookmgr.cmd/BOOKS/IEA1H706/CCONTENTS>

ADANAL THERE ARE CURRENTLY NO EXITS IN USE

Explanation: The DISPLAY=EXITS command was issued but no exits are currently in use.

**ADANAX EXIT: exit-code MODNAME: exit-module-name
STATUS: {ACTIVE | ACTIVE CRT | ENACT}**

Explanation: Indicates whether the specified exit is active, active and critical, or inactive.

ADEN1 INVALID CONTROL STRING: string

Explanation: Adabas Online System internal error.

User Action: Contact your Software AG technical support representative.

ADONIS1 LOAD FAILED ON SMGT MODULE module-name

Explanation: A load module for the error handling and message buffering facility could not be loaded. Adabas runs without the facility.

User Action: Ensure that all modules for the error handling and message buffering facility installed with Adabas are still in the distributed library. If modules are missing, restore a copy of the module from a backup and apply any maintenance.

ADANI2 SMGT ABEND HANDLER ACTIVE

Explanation: Indicates that the abnormal termination handler of the error handling and message buffering facility is active.

ADANI4 GETMAIN FAILED FOR EXIT TABLE

Explanation: Not enough memory is available to run the error handling and message buffering facility. Adabas runs without the facility.

User Action: Increase the region size available to the Adabas nucleus.

ADANI5 GETMAIN FAILED FOR INITIAL PIN AREA

Explanation: Not enough memory is available to run the error handling and message buffering facility. Adabas runs without the facility.

User Action: Increase the region size available to the Adabas nucleus.

ADANO1 INVALID SMGT CMD: command

Explanation: The operands on an SMGT command were invalid.

User Action: Correct the operands and reissue the command.

ADANO2 SMGT COMMAND PROCESSED

Explanation: The error handling and message buffering facility finished processing a command.

ADANO5 SMGT NOT CURRENTLY ACTIVE

Explanation: The error handling facility must be active (SMGT=ON) before the command can be issued. The command issued can be found in the ADANO1 message immediately following the ADANO5 message.

User Action: Activate the error handling facility and reissue the command.

ADANR1 SMGT HANDLING CONDITION: {MVS-abend-code | RSP: rsp-code}

Explanation: The error handling facility has been invoked for the specified condition. Note that explanations of MVS abnormal termination codes can be accessed from the *System Codes Manual* on the IBM web site at [http://ppdbooks.pok.ibm.com:80/cgi-bin/bookmgr/bookmgr .cmd/BOOKS/IEA1H706/CCONTENTS](http://ppdbooks.pok.ibm.com:80/cgi-bin/bookmgr/bookmgr.cmd/BOOKS/IEA1H706/CCONTENTS)

ADANR2 ERROR IS IN {USER | HYPER} EXIT xx, EXIT DISABLED

Explanation: An error occurred in the specified, noncritical exit. The exit is not invoked until the error is corrected.

User Action: Consult diagnostic messages; correct the exit; reload the exit using the SGMT,XLOAD command; then reactivate the exit using the SGMT,XACT command.

ADANRP PSW: hexno hexno hexno hexno

Explanation: Displays the PSW when the error was encountered.

ADANRR RY-RY hexno hexno hexno hexno

Explanation: Displays the registers when the error was encountered.

ADANRT CONDITION IS A error-type ERROR

Explanation: The error handling facility is handling an error of the specified type.

ADANS1 SNAP FILE UNAVAILABLE

Explanation: The nucleus start-up JCL did not define a dataset to hold a formatted hexadecimal dump of an area in memory, either an address space or a data space.

To use the error handling and message buffering facility's SMGT,DUMP={ON|OFF} or SMGT,SNAP[=(start,end)] command successfully, the dataset ADASNAP must be defined in the Adabas start-up JCL.

User Action: Stop the Adabas session; add the required statement to the start-up JCL, and start a new session.

ADANT1 SMGT {ACTIVATED | DEACTIVATED}

Explanation: Indicates a change of status in the error handling and message buffering facility.

ADANT2 MESSAGE BUFFERING {ACTIVATED | DEACTIVATED}

Explanation: Indicates a change of status in message buffering.

ADANT4 ABNORMAL TERMINATION HANDLER {ACTIVATED | DEACTIVATED}

Explanation: Indicates a change of status in the abnormal termination handling or the error handling and message buffering facility.

ADANT5 GETMAIN FAILED FOR PIN DESCRIPTORS

Explanation: Not enough memory was available to add new PINs. Adabas runs without the PIN module.

User Action: Increase the size of the region available to the Adabas nucleus.

ADANT6 MODULE module-name LOAD FAILED

Explanation: Unable to load the specified module. The error handling and message buffering facility runs without the module.

User Action: Ensure that the module is available to the error handling facility by placing it in the Adabas program library.

ADANT7 INVALID EXIT exit-code

Explanation: The exit-code indicated in the message is not a valid code, or is not in the correct state for the command requested. Adabas rejects the command.

User Action: Ensure that the exit-code is correct. If it is, ensure that the exit is in a state that allows the requested command.

ADANT8 EXIT exit-code IN USE MODULE(module-name)

Explanation: The exit-code specified in the message indicates an active exit. Adabas rejects the command.

User Action: Ensure that the exit-code is correct. If it is, ensure that the exit is in a state that allows the requested command.

ADANT9 NO MODULE NAME FOR EXIT LOAD

Explanation: Adabas cannot load the exit without the name of the module. Adabas rejects the command.

User Action: Retype the SGMT,XLOAD command and include a member name for the exit.

ADANTA EXIT exit-code NOT LOADED

Explanation: A command that requires an exit cannot be processed because the exit is not loaded. Adabas rejects the command.

User Action: Ensure that the exit-code is correct. If it is, load the exit.

**ADANTB EXIT exit-code MODULE exit-module-name
STATUS: {ACTIVE | INACT | LOADED | CRIT | NOTCRT}**

Explanation: The status (active, not active, loaded, critical, or not critical) of an exit changed as a result of an operator command, and this messages provides the details.

ADANTC INVALID SNAP PARAMETERS

Explanation: The parameters provided for a SNAP command are invalid. Adabas rejects the command.

User Action: Ensure that the addresses provided to the SNAP command are correct.

ADANTD PIN ROUTINE pin-number DISABLED

Explanation: The specified PIN routine has been disabled.

ADANTE PIN ROUTINE pin-number NOT FOUND

Explanation: The PIN routine for the previous command was not found. Adabas rejects the command.

User Action: Ensure that the PIN routine is correct and reissue the command.

ADANTF PIN ROUTINE pin-number ENABLED

Explanation: The specified PIN routine has been enabled.

ADANTG PIN MODULE module-name LOADED

Explanation: The specified PIN module has been loaded.

ADANTH PIN MODULE module-name DELETED

Explanation: The specified PIN module has been removed from memory.

ADANTI PIN MODULE module-name NOT { FOUND | VALID }

Explanation: The PIN module for the previous command is not available. Adabas rejects the command.

User Action: Ensure that the PIN module name is correct, and that the PIN module is in the Adabas library; then reissue the command.

ADANTJ {FULL | SNAP} DUMPS TAKEN FOR EVENTS

Explanation: Indicates whether a full dump or a snap dump is taken.

ADANTM MESSAGE BUFFERING UNABLE TO ACTIVATE

Explanation: Message buffering cannot be activated.

User Action: Add the MSGBUF= parameter to the initial ADARUN parameters.

**ADANX1 COMMAND cmd COMMAND ID hex-cid FNR file-number
RESPONSE rsp-code SUBCODE rsp-subcode FLD field-name
TID hex-internal-userid UID open-userid JOB job-name**

Explanation: Format of the diagnostic information produced by the Adabas PINRSP or PINUES routine.

ADANY1 ADABAS MUST BE RUN FROM AN AUTHORIZED ENVIRONMENT

Explanation: The PIN ADAMXY detected a S047 ABEND.

User Action: Run Adabas from an authorized load library.

ADANY4 ERROR OCCURRED IN ROUTINE: routine-name

Explanation: The PIN ADAMXY determined that the particular error is in the identified routine.

User Action: Refer to the appropriate operating system documentation for a description of the system ABEND that occurred.

ADANZ1 ADABAS SMGT TERMINATED

Explanation: Adabas is in the process of termination, and the error handling and message buffer facility functions have been terminated.

ADATCP Messages

The ADATCP component displays several information or error messages on the system console.

ADACM006E UNABLE TO LOAD PABNKERN

Explanation: The essential module PABNKERN found in the internal product APS (porting platform) is not available to Adabas.

Action: Add the APSvrs LOAD library to your job's STEPLIB.

ADACM007E PARM ERROR

Explanation: One of the parameters passed within the URL was incorrect.

Action: Ensure that the URL includes valid values for all required elements: the API name (protocol), stack ID, and port number. Correct the URL and try again.

ADACM008E INVALID VALUE IN PORT= PARAMETER

Explanation: The port that was specified in the URL was not valid.

Action: The port number can be 1–5 bytes; it cannot be zero (0) or greater than 65535.

ADACM009E URL=url ALREADY {ACTIVE | CLOSED}

Explanation: Either the URL is already opened (ACTIVE) or already closed (CLOSED).

Action: Ensure that the URL includes valid values for all required elements: the API name (protocol), stack ID, and port number. Correct the URL and try again.

ADACM010E URL=url NOT FOUND

Explanation: The URL itself was not found.

Action: Ensure that the URL includes valid values for all required elements: the API name (protocol), stack ID, and port number. Correct the URL and try again.

ADACM011I URL=url HAS BEEN {CLOSED | OPENED}

Explanation: The URL was successfully closed or opened.

ADACM012E THE NETWORK IS DOWN

Explanation: ADATCP cannot be started because the network is not active.

Action: Check that the stack specified in the URL is active. If it is, contact your systems administrator.

ADACM013E NO BUFFER SPACE IS AVAILABLE

Explanation: No buffer space is available to ADATCP to allocate its control blocks.

Action: Ensure that sufficient storage is available on the system.

ADACM014E THE LINK HAS BEEN SEVERED

Explanation: An error caused TCP/IP or ADATCP to terminate.

Action: This message is issued along with another message that explains the reason for the termination. Refer to the other message.

ADACM015E TCP/IP IS NOT INSTALLED OR ACTIVE

Explanation: The TCP/IP stack specified in the URL is not installed or not active.

Action: Check that the specified URL is the one intended. If so, either install the specified stack or start it.

ADACM016E THE SOCKET DESCRIPTOR TABLE IS FULL

Explanation: The maximum number of socket descriptors has been reached: no more sockets can be created.

Action: Increase the maximum number of sockets that can be created.

ADACM017I TCP/IP HAS TERMINATED

Explanation: Unless this message is accompanied by an error message, TCP/IP has terminated normally.

Action: If an error message accompanies this message, refer to that message. Otherwise, this message is for information only.

ADACM018E THE API CANNOT LOCATE THE TCP/IP SPECIFIED

Explanation: The stack specified in the URL is not valid: TCP/IP cannot initialize.

Action: Ensure that the stack is available on the system and that it is active.

ADACM019E THE TCP/IP NAME SPECIFIED IS NOT VALID

Explanation: The TCP/IP name specified in the URL is not valid.

Action: Check that the URL contains the correct stack name. If so, ensure that the stack is available on the system and that it is active.

ADACM020E TCP/IP FAILED TO LOAD

Explanation: The TCP/IP stack specified in the URL cannot be initialized.

Action: Ensure that the TCP/IP stack specified is correct and that it is active. If it is correct and active, contact the systems administrator.

ADACM021E UNABLE TO ALLOCATE STORAGE FOR SOCKETCB

Explanation: ADATCP is unable to allocate the necessary storage.

Action: Ensure that adequate storage is available on the system.

ADACM022E INVALID OPERATING SYSTEM FOR API=opsys

Explanation: The operating system specified in the URL is incorrect.

Action: The only operating systems currently supported are OE, Interlink, and HPS.

ADACM023E UNABLE TO INITIALIZE TCP/IP INTERFACE

Explanation: The TCP/IP stack specified in either the URL or the protocol that was used is invalid.

Action: Check that the URL or protocol contains the correct stack name. If so, ensure that the stack is available on the system and that it is active.

ADACM024E UNABLE TO GET A SOCKET

Explanation: The system is unable to create a new socket. This may be caused by an incorrect stack. If an error number accompanies this message, it will inform you if the problem is inadequate system resources (ENOBUFS) or access denied (EACCES).

Action: Ensure that the correct stack is being used. If the problem is inadequate system resources, contact your systems administrator. Contact your security administrator for system access problems.

ADACM025E UNABLE TO BIND SOCKET TO LOCAL SYSTEM

Explanation: ADATCP was unable to bind the socket to the local system. Another application may be using the port specified in the URL.

Action: Use the "Tso netstat" command to check current use of the specified port. If something else is using the port, terminate ADATCP and change the port in the URL.

ADACM026E UNABLE TO ACCEPT CONNECTIONS

Explanation: ADATCP is unable to accept connections from client applications. This may indicate a shortage of buffer space or that the maximum number of socket descriptors have already been created/opened.

Action: Ensure that adequate buffer space is available to the system. If necessary, increase the maximum number of sockets available to the system.

ADACM027E UNABLE TO LISTEN FOR NEW CONNECTIONS

Explanation: ADATCP is unable to listen for new connections. This usually indicates that the system resources available to complete the call are inadequate. If an error number is supplied with this message, it will help to identify the problem.

Action: If system resources are inadequate, contact your systems administrator.

ADACM028E UNABLE TO SET SOCKOPT REUSEADDR OPTION

Explanation: An attempt to allow currently used local addresses to be bound failed. This may indicate inadequate system resources. If an error number is supplied with this message, it will help to identify the problem.

Action: If system resources are inadequate, contact your systems administrator.

ADACM029E UNABLE TO GIVESOCKET TO NEW THREAD

Explanation: ADATCP was unable to give control of a socket to a different process. This error occurs only if there is a problem with the socket itself. If an error number is supplied with this message, it will help to identify the problem.

ADACM030E UNABLE TO CREATE A NEW THREAD

Explanation: The system was unable to create a new thread. This indicates inadequate system resources or memory to create the thread.

Action: Contact your systems administrator.

ADACM031E UNABLE TO CLOSE THE REQUESTED SOCKET

Explanation: ADATCP attempted to close a socket that was being used by another thread in the same process. This occurs only when the system is terminating due to some other error.

Action: Check the console for other messages.

ADACM032E UNABLE TO MALLOC STORAGE

Explanation: ADATCP was unable to allocate storage. This may indicate that inadequate storage is available on the system.

Action: Contact your systems administrator.

ADACM034E UNABLE TO RECEIVE DATA

Explanation: ADATCP cannot receive data from a client. This may indicate that the connection between ADATCP and the client has been severed during a transaction or that system resources are inadequate to complete the call. The error number supplied with this message will identify the problem.

Action: Contact your systems administrator.

ADACM035E UNABLE TO TAKE THE SOCKET

Explanation: The process that send requests to and from Adabas was unable to take control of the socket that was passed to it by the listening task.

Action: Check the error number and the return code that accompany this message.

ADACM036E UNABLE TO SET THE CANCEL TYPE

Explanation: The main request task is unable to set the cancel type for the thread that is currently running.

Action: Check the error number and the return code that accompany this message.

ADACM037E UNABLE TO SEND DATA

Explanation: ADATCP is unable to send data from a client. The error number issued with this message indicates whether the problem is a severed connection between ADATCP and the client or insufficient system resources to complete the call.

Action: Check the error number issued with this message.

ADACM038E UNABLE TO CLOSE THE SOCKET

Explanation: ADATCP attempted to close a socket while it was being used by another thread in the same process. This occurs if the system has tried to terminate due to another error.

Action: Check for other messages issued to the console.

ADACM039E CONTEXT TABLE FULL

Explanation: The number of connections has reached a predefined limit; no entries can be added to the user context table.

Action: Increase the ADARUN NU parameter value to the required number of entries and restart ADATCP.

General System Messages

The non-console messages described in this section are issued by Adabas functions and modules such as ADALNK and ADAIOR. Although not considered console messages, those preceded by an asterisk (*) are also displayed on the system console.

The following notations are used to describe message format:

| | |
|--------------------|--|
| ddddddd or dataset | DD dataset name |
| iii | I/O device |
| dbid | database ID |
| n...n or count | a number or count |
| rabn | RABN |
| A/D/P/W | “ASSO”, “DATA”, “PLOG1”, “PLOG2”, “WORK” |
| code | ABEND code (see chapter 4 for code descriptions) |

ADAD01 ABEND Code Message

ADAD01 version job-name ABEND CODE code

Explanation: This message is displayed on SYSLOG when an ABEND condition occurs within ADALNK.

Action: ADALNK issues the following information:

| | |
|----------|---|
| version | the Adabas version |
| job-name | the VSE job name |
| code | the ABEND code (see chapter 4 for code information) |

ADAEnn Adabas SAF Security (ADASAF) Messages

Note:

Each of the messages in this section starts with the relevant database ID.

ADAE01 UNABLE TO LOAD REQUIRED MODULES

Explanation: A required module could not be loaded. Operation terminates with an ABEND U0042.

Action: Check that the modules NA2PMAC and ESICFG are available.

ADAE02 UNABLE TO ALLOCATE REQUIRED STORAGE

Explanation: There is insufficient storage available for ADASAF to operate. Operation terminates with an ABEND U0042.

Action: Increase the amount of storage (above the 16-megabyte line) available to the failing job.

ADAE03 UNABLE TO ALLOCATE NRS STORAGE

Explanation: ADASAF needs approximately 2Kb of storage below the 16-megabyte line. If the storage is not available at initialization (or after a newcopy operator command), ADASAF issues this message and operation terminates.

Action: Ensure that enough storage is available.

ADAE04 MODULE module-name NOT LOADED

Explanation: The indicated module could not be loaded during initialization or during the newcopy operator command. If the module is required (rather than optional), operation terminates.

Action: Ensure that the module is available.

ADAE05 INVALID PARAMETERS DETECTED

Explanation: One or more invalid parameters were specified in DDSAF. Operation terminates.

Action: Correct the invalid parameters.

ADAE06 ALLOCATION OF USER FILE CACHE FAILED

Explanation: ADASAF allocates a user file cache above the 16-megabyte line. If the storage is not available at initialization (or after a newcopy operator command), ADASAF issues this message and operation terminates.

Action: Ensure that enough storage is available or reduce the MAXFILES parameter (this may adversely affect performance).

ADAE07 input-parameter

Explanation: ADASAF echoes the parameters read from DDSAF for information and auditing purposes.

ADAE08 INVALID PARAMETER: input-parameter

Explanation: ADASAF detected incorrect input in DDSAF. ADAE08 is issued for each invalid parameter found and is followed by ADAE05.

Action: Correct the invalid parameter.

ADAE12 ADASAF IS ACTIVE IN {FAIL | WARN} MODE

Explanation: ADASAF has successfully initialized in the mode indicated.

ADAE15 NEWCOPY OF PARAMETER MODULE FAILED

Explanation: After a newcopy operator command, ADASAF was unable to reload ESICFG. Operation terminates.

Action: This error occurs only if there is a shortage of storage or the module ESICFG was deleted from the load library after initialization. Determine which of these is the case and correct it.

ADAE16 NEWCOPY REINITIALIZATION FAILED

Explanation: This message appears after a failure during newcopy processing. It should be accompanied by a more detailed error message specifying the nature of the failure.

Action: Take the action recommended by the accompanying message.

ADAE17 NOT APF-AUTHORIZED

Explanation: ADASAF must run APF-authorized. Operation terminates.

Action: Check that all STEPLIBs are in the APF list and that ADARUN is linked with AC(1).

ADAE18 NO SECURITY DETAILS FOR JOB job-name

Explanation: An Adabas command received from the named job had no security credentials attached to it. The command is rejected with response code 200, subcode 3.

Action: Ensure that the security exits are correctly installed in the Adabas SVC and that the source job has been configured correctly to support SAF security systems.

ADAHnn Dump Formatter Status Messages

These are general status messages that describe current operating status of the dump formatting facility.

ADAH50 dbid DUMP FORMAT CALLED

Explanation: Issued by the Adabas extended error recovery facility at the point where dump formatting begins. Displayed on the console and written to DD/PRINT.

ADAH51 dbid DUMP FORMAT COMPLETED

Explanation: Issued by the Adabas extended error recovery facility at the point where dump formatting terminates. Displayed on the console and written to DD/PRINT.

ADAIInn System Messages

Note:

Although not considered console messages, those preceded by an asterisk () are also displayed on the system console.*

ADAI01 dataset count READS
ADAI01 dataset count WRITES

Explanation: The first form of the message is written when a sequential input dataset is closed; the second form is written when a sequential output dataset is closed.

ADAI02 GETMAIN stor-req (source)
ADAI02 GETMAIN stor-req/stor-avail (source)

Explanation: The first form of the message is written whenever memory is dynamically acquired and the requested memory is available.

 The second form of the message is written whenever memory is dynamically acquired and less than the requested memory is available.

 In the messages, “stor-req” is the amount of memory requested; “stor-avail” is the amount of memory available; and “source” (printed only under VSE) is the source of the memory (GETVIS, COMREG, ADABUF).

ADAI03 {dataset | physical-file-name} countr READS countw WRITES

Explanation: A direct access dataset is closed. ‘physical-file-name’ indicates that the file was opened using dynamic allocation.

ADAI04 count ERRS count ERRS

Explanation: The message is written immediately following message ADAI03 when a direct access dataset for which there had been read and/or write errors is closed.

ADAI20 dbid DATASET physical-file-name DD: link-name

Explanation: An I/O error occurred on a file opened using dynamic allocation. This message appears immediately after the ADAI21 message.

ADAI21 dbid ERR [mn] RABN bad-rabn (start-rabn) OP oper
ADAI21 dbid { CB | CC } ccbs CSW csw SNS dlu

Explanation: IBM platforms only. This message occurs on SYSLOG when ADAIOR finds a disk I/O error. The variables and their meanings are:

| Variable | Description |
|------------|--|
| dbid | database ID (not provided in VSE/ESA environments) |
| m | (optional) one of the following file types: A Associator C Command log D Data Storage I DSIM P Protection log R Recovery log S Sort T Temp W Work For files that are opened using dynamic allocation, the file type is blank. Use the ADAI20 message to determine the file on which the I/O error occurred. |
| n | (optional) sequence number of file type; for example 1 for ASSOR1, DATAR1, CLOGR1, PLOGR1, ..., RLOGR1 |
| bad-rabn | the actual failing RABN |
| start-rabn | the starting RABN of the failing I/O operation |

| Variable | Description |
|-----------------|--|
| oper | the type of operation being performed when the failure occurred as follows (in hex): x'80' read x'40' write x'20' format x'10' read/write to end of track x'08' no write if read-only nucleus |
| ccbs | communications bytes from the communications control block |
| csw | channel status from the channel status word (CSW). If zero (0), the error was a physical check |
| dlu | the VSE/ESA logical unit where the failure occurred |

On OS/390 or z/OS, if an I/O error occurs on a VSAM dataset, the CSW and SNS data is replaced by RPL feedback information.

Action: Use the information provided by the message to locate a possible hardware failure. Keep the information and any dumps for later use.

ADAI22 ADAIOR TRACE TABLE: —> IS CURRENT ENTRY

Explanation: The ADAIOR trace table has been activated and printed.

ADAI23 dbid job-name ABEND CODE code

Explanation: VSE/ESA and BS2000 systems only. ADAIOR is asked to ABEND a job. A dump is normally also provided. The message values are:

| | |
|----------|---|
| dbid | database ID |
| code | the ABEND code (refer to the ABEND code descriptions in chapter 4). |
| job-name | the VSE/ESA job name or BS2000 program name. |

ADAI24 dbid READY FOR OPERATOR COMMUNICATION

Explanation: SYSLOG displays this message once operator communications has been requested by the operator with the VSE/ESA “MSG” command. The value “dbid” is the database ID.

Action: Enter a valid Adabas command.

ADAI26 dbid job-name COMPLETION CODE code

Explanation: BS2000 systems: This message displays the normal termination return code. If a nonzero ABEND code is displayed, the BS2000 program task switch 10 is set on.

VSE/ESA systems: The end-of-job (EOJ) “RC=(RX)” sets the return code for the operating system. The message provides the database ID (dbid), job name, and return code.

Action: BS2000 systems: If job variables are installed, the ABEND code is passed to the controlling job variable. A job variable assigned with link “*ADA” is set with the following information:

program name (8 bytes)
completion code (4 bytes)
error number (5 bytes)
Adabas response code (5 bytes)

VSE/ESA systems: For a nonzero ABEND code, refer to the description in chapter 4. If the DUMP option was specified, refer to the resulting dump, if needed, to determine the cause of the ABEND. The job step is terminated.

**ADAI27 dbid TIMER INTERVAL EXCEEDS MAXIMUM ALLOWED –
ADAI27 dbid RESET TO MAXIMUM**

Explanation: A timer request was issued that exceeds the maximum allowed by the operating system.

Action: Reset the interval to the maximum allowed by your operating system.

ADAI29 OPER CMD: command

Explanation: OS/390, z/OS, VSE/ESA, and BS2000 systems only: This message occurs in SYSLST as part of the session statistics during Adabas session termination. The value “command” is the operator command last entered from SYSLOG.

ADAI30 file-name number TRACKS FORMATTED

Explanation: ADAIOR has completed formatting for a direct-access file.

ADAI31 dbid OPENING TAPE FILE file-name SYSnnn=cuu

Explanation: This SYSLOG message means that a tape file was opened. Meanings of the message fields are:

| | |
|-----------|--|
| dbid | Adabas database |
| file-name | filename of the input/output file opened |
| nnn | VSE/ESA logical unit ID |
| cuu | physical address of the selected drive |

ADAI32 dbid INTERNAL ERROR – FUNCTION func-name ERROR error

Explanation: An internal error has occurred.

Action: Make a note of all recent messages, and contact your Adabas support representative.

ADAI40 dbid CP–OPERATOR WAS REQUESTED TO MOUNT VOLUME vol-number ON VIRT. UNIT unit-number

Explanation: VM/ESA systems: The virtual machine running Adabas database “dbid” has issued a request to mount tape “vol-number” on your virtual machine’s unit “unit-number”.

**ADAI41 dbid MOUNT REQUIRED FOR VOLUME vol-number ON UNIT cuu
AND ATTACH TO VADDR address**

Explanation: VM/ESA systems: The virtual machine running an Adabas database or utility has issued a request to mount tape “vol-number” on physical unit “unit-number” and ATTACH the unit at address “address”. This message is sent to the CP operator.

Action: ATTACH the tape unit, if necessary, then mount the requested tape volume.

**ADAI42 dbid VOLUME vol-number FOR FILE file-name MOUNTED ON VIRT.
UNIT addr compression**

Explanation: VM/ESA systems: The requested tape mount of “vol-number” and file “file-name” on the virtual tape unit “addr” has been completed. If “(IDRC)” appears at the end of the message instead of “compression”, the file is on a tape cassette with the IDRC feature active.

Action: None required. This message is for your information only. If the “IDRC” ending appears and the IDRC feature is not supported by the cassette unit, a later I/O error will occur.

**ADAI43 dbid REQUESTED DSN FOR FILE file-name NOT ON VOLUME
vol-number**

Explanation: VM/ESA systems: The dataset name (DSN) for file “file-name” could not be found on the tape volume “vol-number”. The DSN is specified on the DATADEF statement.

Action: Verify and correct the DATADEF statement, ensure that the correct tape volume was mounted.

ADAI44 dbid BLOCK COUNT ON EOVS OR EOF FOR FILE file-name NOT EQUAL TO I/O COUNT

Explanation: VM/ESA systems: The number of blocks read from tape does not match the block count in the end-of-file record. This is an internal error.

Action: Make a note of all related error information (message number and contents, plus any other related information), and advise your system support personnel. If necessary, contact your Software AG support representative.

ADAI45 dbid I/O ERROR DURING TAPE HANDLING FOR FILE file-name VOLUME vol-number

Explanation: VM/ESA systems: A recurring I/O error occurred during the mount or label processing for tape file “file-name” on volume “vol-number”.

Action: Make a note of all related error information (message number and contents, plus any other related information), and advise your system support personnel. If necessary, contact your Software AG support representative.

ADAI46 dbid NO VIRTUAL CONSOLE

Explanation: VM/ESA systems: The DATADEF statement specified a virtual console as UNIT, but no virtual console exists.

Action: Correct the DATADEF statement, then rerun the job.

ADAI47 dbid OUTPUT TAPE FILE PROTECTED FOR FILE file-name VOLUME vol-number

Explanation: VM/ESA systems: The tape mounted as an output tape has no file protect/write ring.

Action: Remove the mounted tape, install the file protect ring, then remount the tape.

ADAI48 dbid NO VALID VOLUME RECORD FOUND ON TAPE FOR FILE file-name

Explanation: VM/ESA systems: The requested tape mounted for file “file-name” has not been initialized properly. Either there were no records found on the tape, or the first record was not a VOL1 record. The tape will be unloaded and the operator prompted to mount a another tape.

Action: Initialize the tape using the CMS TAPE WVOL1 command.

ADAI49 dbid io-count DIAGNOSE I/OS PERFORMED FOR FILE file-name

Explanation: VM/ESA systems: Temporary I/O errors for the direct access file “file-name” occurred. The value “io-count” is the number of successful retries.

ADAI50 dbid SEQUENTIAL BUFFER ALLOCATION FAILED FOR FILE file-name

Explanation: VM/ESA systems: I/O buffers for the sequential file “file-name” could not be allocated because of a shortage of virtual storage in the virtual machine. The utility stops operation and issues a sequential open error.

Action: Increase the storage size of the virtual machine in the CP directory, and then log the machine on again. If a BUFNO parameter was specified in a DATADEF statement, increase that value.

ADAI51 dbid ADABAS PAM BS2000 I/O ERROR err-num IN FILE file-name
ADAI52 RABN=error-rabn(start-rabn) OP=op-code ST=fecb

Explanation: BS2000 systems only: A PAM I/O error occurred on DASD file “file-name”. “err-num” is the ID1IECB contents from the BS2000 FCB. “error-rabn” is the RABN where the error occurred, and “start-rabn” the RABN where the operation began. “op-code” comprises one or more of the following operation code values:

X'80' READ read operation
X'40' WRITE write operation

X'20' FORMAT format operation
 X'10' ENDOFTRK read or write to track end
 X'08' RENOWRT no write if read-only nucleus

“fcb” is the FECB block status used for the I/O error, and comprises the SENSE, GERAETE (device), ABM and NPA fields. For more information, refer to the publication *BS2000 DVS Disk Preparation*.

ADAI53 dbid ADABAS BS2000 I/O ERROR err-num IN FILE file-name

Explanation: BS2000 systems only: This is the first part of an I/O error message. The message is followed by message ADAI54. The “err-num” is a BS2000 error code. The “file-name” shows the LINK NAME for the failed dataset.

Action: Use the “err-num” as an argument for the HELP command to get information about the failing function.

ADAI54 dbid EXIT=ID1XITB, STATUS=fcb-status

Explanation: BS2000 systems only: The “EXIT=” value is the error exit byte of the BS2000 FCB.

“fcb-status” is a six-byte status containing the following:

byte 0: device byte
 bytes 1–3: sense bytes 1–3
 byte 4: executive flag byte
 byte 5: count of processed PAM pages

ADAI55 dbid SOLSIG ERROR R15=ret-code, POST-CODE=post-code

Explanation: BS2000 systems only: The system received an invalid return “ret-code” or “post-code” when issuing a SOLSIG “WAIT” supervisor call (SVC). “dbid” is the database ID.

ADAI56 dbid UNEXPECTED RC ret-code FROM macro

Explanation: BS2000 systems only: The dataset assigned to SYSDTA is either a non-SAM/V dataset, or it contains records longer than 80 bytes. The value “macro” is RDATA.

ADAI59 dbid TERMINATED WITH CONDITION CODE code

Explanation: This is a termination message issued by ADAIOR when a controlled end is reached. The code specifies a weighted termination condition. Return code “0” indicates a normal end. For other ABEND codes, see chapter 4.

**ADAI60 dbid PLOGMIR PARAMETER IGNORED –
ADAI60 dbid PLOG MIRRORING NO LONGER SUPPORTED**

Explanation: The ADARUN parameter PLOGMIR is set to YES or RAP. This parameter setting is ignored as PLOG mirroring is no longer supported.

**ADAI62 dbid ALLOCATION ERROR – TYPE x RETCODE ret-code
ADAI62 dbid SUBCODE subcode DATASET physical-file-name**

Explanation: An attempt to allocate a file dynamically failed. ‘x’ indicates the request type: A (allocation); D (deallocation); or I (information retrieval). The RETCODE and SUBCODE display the error code returned from the operating system.

Action: Interpret the error code for your system and respond accordingly.

**ADAI63 dbid DATASET physical-file-name IS BEING OPENED
ADAI63 dbid IN mode MODE – RABN SIZE rabn-size**

Explanation: The dataset specified is being opened using dynamic allocation in “mode”

CKD the file resides on a storage control device that supports
ECKD count key data (CKD) or extended count key data (ECKD)
 channel commands. ADAIOR generates channel programs
 accordingly.

VSAM (z/OS or OS/390 systems) the file is a VSAM relative
PAGE record (RRDS) or linear (PAGE) dataset.

ADAI64 dbid FILE file-name IS BEING OPENED IN mode MODE – RABN SIZE rabn-size

Explanation: The file specified is being opened in “mode”

| | |
|------|---|
| CKD | the file resides on a storage control device that supports count key data (CKD) or extended count key data (ECKD) |
| ECKD | channel commands. ADAIOR generates channel programs accordingly. |
| VSAM | (z/OS or OS/390 systems) the file is a VSAM relative record (RRDS) or linear (PAGE) dataset. |
| PAGE | |

ADAI65 dbid EXCPVR IS {BEING | NOT BEING} USED FOR THIS RUN [IN ESA64 MODE]

Explanation: z/OS, OS/390, z/VM, and VM/ESA systems only: If ADAIOR is loaded from an APF-authorized library concatenation, and ADARUN is linked with the SETCODE AC(1) statement, ADAIOR then performs the channel program translation/page fixing. If “NOT” appears in the message, ADAIOR will not perform channel program translation and page-fixing to improve the performance of I/O operations.

If EXCPVR is in use, and the operating system and processor support the allocation of real storage above the 2 gigabyte line, “IN ESA64 MODE” appears in the message.

Action: None required. This message is for your information only. If the message says that EXCPVR is not being used, but you have set up ADAIOR in an APF-authorized library and linked ADARUN with SETCODE AC(1) to use EXCPVR, refer to the *Adabas Installation Manual* for more information.

ADAI66 dbid ADAIO2 error-code message

Explanation: The “error-code” is the Siemens macro return code. The “message” is one of the following produced by the database main task while attempting to start a subtask:

ENABLING SUBTASK COM MEMORY
ENABLING CONTINGENCY
ENABLING WAIT
ENTERING JOB
GET PARAMETER MEMORY
GET SUBMIT FILE
OPENING SUBMIT FILE
SET FILE LINK
STXIT CALL ERROR

All errors are caused by system resource problems.

Action: Contact your Software AG technical support representative.

ADAI67 dbid ADAI2S error-code message

Explanation: The “error-code” is the Siemens macro return code. The “message” is one of the following produced while attempting to start a subtask in the subtask start-up module:

NO MOTHER TASK COMMON MEMORY

The memory pool containing data from the mother task is not accessible. The mother task has timed out or terminated.

NO ENABLE TO MOTHER’S EVENT

Mother task-to-subtask communication cannot be established. The mother task has probably terminated.

CANNOT SHARE MOTHER’S LOW MEMORY

The subtask parameter address area cannot be accessed.

CANNOT LOAD SUBTASK subtask-name

An error occurred while loading the subtask. Check the DDLIB and BLSLIBnn link names for libraries containing “subtask-name”.

CANNOT POST MOTHER PROGRAM

Communication with the mother task is no longer possible. The mother task has probably terminated.

STXIT DEFINITION ERROR

A system error occurred while establishing the ESTAE(STXIT) exit for the subtask. Check the system resources.

ADAI68 dbid ADAIO2 message

Explanation: The “message” providing information about BS2000 subtasks is one of the following:

DISABLING SUBROUTINE subtask-number subtask-startname

The subtask with the number and start-up name specified is being disabled.

SUBTASK POSTED RC: return-code

The subtask posted the specified return code.

ADAI68 dbid file-number VSAM FILE ERROR – reason

Explanation: OS/390 and z/OS only: An error occurred attempting to open the VSAM file identified by “file-number”.

Action: All of the following reasons terminate the job with user ABEND 619.

**UNABLE TO LOAD INFO ROUTINE
ERROR RETURNED FROM INFO ROUTINE
INVALID INPUT TO SUBROUTINE**

User Action: Contact your Software AG technical support representative.

INVALID FILE TYPE (NOT RRDS OR LINEAR)

User Action: Redefine the VSAM file as either a relative record or linear dataset.

EXTENTS NOT ON SAME DEVICE TYPE

User Action: Redefine all extents of the file on the same device type.

ADAI69 ADALNK IS RUNNING IN type MODE

Explanation: BS2000 only: ADALNK writes this message to tell you the mode it thinks it is running in where “type” is one of the following:

| | |
|-------------|---|
| BATCH/TIAM | batch or TIAM as carrier |
| UTM/3GL/AMS | on UTM with an Assembler or 3rd generation language such as COBOL, C, FORTRAN, etc. |
| UTM/NATURAL | on UTM running Natural |

Note:

To suppress this message, set the B2CONFIG parameter in SSFB2C: LNKMSG=NO

User Action: Use for diagnosing errors.

ADAJnn System Messages

**ADAJ00 READING INPUT FOR FILE file-name FROM LIBRARY lib-name
SUBLIB sublibrary MEMBER mem-name.mem-type count CARDS**

Explanation: VSE/ESA systems only: A valid “* SAGUSER” statement was found and is being used for ADARUN/Adabas utility input. ADARUN input has the file name “CARD”, and utility input has the file name “KARTE”. If the library and sublibrary are not specified on the * SAGUSER statement, the message indicates which of the current LIBDEF SOURCE libraries is being used for card input.

This message is controlled by the JBXIMSG parameter in the Adabas options table, as follows:

| | |
|-------------|---------------------------------------|
| JBXIMSG=YES | display on console and print message |
| JBXIMSG=PRT | (default) print the message only |
| JBXIMSG=NO | neither display nor print the message |

**ADAJ99 FILE file-name req-type ERROR ON LIBRARY lib-name.sublibrary
MEMBER mem-name.memt-ype – error-type**

Explanation: VSE/ESA systems only: A “* SAGUSER” statement containing file and member information was read, but an error occurred. ADARUN input has the file name “CARD”, and utility input has the file name “KARTE”. “req-type”, the librarian request type, is one of the following:

| | |
|-------|--------|
| CLOSE | LIBDEF |
| GET | OPEN |

“lib-name” and “sublibrary” indicate the requested library and sublibrary as specified on the * SAGUSER statement; if neither were specified, the message is an indication that the error occurred on the current LIBDEF SOURCE concatenation.

The “error-type” can be one of the following:

SUBLIBRARY NOT FOUND

An invalid sublibrary was specified.

LIBRARY NOT FOUND

An invalid library was specified. Ensure that the DLBL and EXTENT information was supplied for the library.

MEMBER NOT FOUND

The specified member does not exist on either the specified “lib-name.sublibrary” or in the libraries of the current LIBDEF SOURCE concatenation.

NO SUBLIB SPECIFIED

A library name without a sublibrary name was specified on the *SAGUSER card.

INVALID MEMBER TYPE

An invalid member type (PROC, OBJ, PHASE or DUMP) was specified.

RETCODE ret-code REASON reason-code

An internal librarian error occurred. Refer to the librarian feedback codes for more information. “ret-code” and “reason-code” are hexadecimal values.

This message is controlled by the JBXEMSG parameter in the Adabas options table, as follows:

| | |
|-------------|---------------------------------------|
| JBXIMSG=YES | display on console and print message |
| JBXIMSG=PRT | (default) print the message only |
| JBXIMSG=NO | neither display nor print the message |

Action:

Correct the job setup according to the information provided above, and rerun the job.

Adalink Messages (BS2000)

The following messages are presented when errors occur in the Adabas BS2000 TP monitor interface operation.

ADAK01 dbid UNEXPECTED RETURN CODE ret-code IN function

Explanation: The return code “ret-code” occurred in one of the following functions and for the specified reason:

| Function | Reason |
|----------|--|
| TRGENAMP | enable memory pool (ENAMP) to target failed |
| IDTENAMP | enable memory pool (ENAMP) for IDT failed |
| DSOFEI | DSOFEI macro failed |
| UENAEI | ENAEI failed for user name |
| SOLSIG | SOLSIG macro failed |
| LNKLEVEL | the ADALNK and ADARER levels disagree (see the first and last bytes of “ret-code”) |

Action: See the *BS2000 Executive Macro Manual* for an explanation of “ret-code”.

ADAK02 TYPES OF LOADLIB FOR ADALNK (adalink) AND ADARER MISMATCH

Explanation: One module was loaded from an XS library and the other from an NXS library. NXS and XS components cannot be mixed.

This message comes with the ADAK01 message. The “ret-code” field of this message has the format

xx0000yy

—where “xx” is the level of the ADALNK and “yy” is the level of the ADARER (router). “yy” must be greater than or equal to “xx”.

If “yy” is less than “xx”, the IDT common memory where the ADARER is loaded has been created by and loaded from an older Adabas version. For example, if xx=83 and yy=81, an Adabas 61x ADALNK is using an Adabas 53x ADARER.

Action: Check the Adabas library versions of the databases that are using the IDT-NAME (the default is ADABAS5F) of your ADALNK.

Either upgrade databases using older Adabas libraries to the new version, or use different IDTNAMEs for different Adabas versions.

ADAK03 PARAMETER ERROR

Explanation: The Adalink parameter service detected a syntax error.

Action: Correct the syntax and rerun.

ADAK04 THE FOLLOWING ADALNK (adalink) ARE USED FOR THIS RUN

Explanation: Header of the Adalink parameter listing.

ADAK05 DDLNKPAR OPEN ERROR: ret-code

Explanation: Adalink failed to open the parameter file. The value “ret-code” is the DMS return code.

Action: Use a SAM/V format for this file.

ADAK06 ADALINK STATEMENTS IGNORED, BECAUSE ADARUN STATEMENTS PRESENT

Explanation: Adalink is running in a nucleus or utility context, or in a user context together with ADARUN. When either is the case, the Adalink statements are ignored. Processing continues.

Action: For the Adalink statements to be effective, specify them in a non-nucleus or non-utility context, and without ADARUN statements.

ADAK07 LRVINFO>0 AND MODULE REVEXITB NOT FOUND, PROCESSING CONTINUES

Explanation: A nonzero LRVINFO parameter value was specified in the Adalink parameter, but the Adabas Review user exit B (REVEXITB) module could not be found. Program processing continues without REVEXITB.

Action: Either specify LRVINFO=0, remove the LRVINFO parameter statement, or include the REVEXITB module in the program.

ADAK08 REVIEW EXIT B DEACTIVATED. PROCESSING CONTINUES

Explanation: LRVINFO=0 was either specified or omitted in the Adalink parameter or the entire Adalink parameter service is inactive, and the Adabas Review user exit B (REVEXITB) is present in the user program.

Action: To activate REVEXITB, specify LRVINFO=256; otherwise, no change is necessary.

ADAK09 INCOMPATIBLE VERSIONS OF ADALNk AND ADAL2P, PROCESSING ABORTED

Explanation: The versions of ADALNk and ADAL2P do not match.

Action: Check library assignments; check TSOSLNK/BINDER protocols.

ADAK10 ADAUSER type FOR ENTRY module RC error-code

Explanation: An error occurred while attempting to access the Adabas link module where “type” is either REQM for requesting memory or BIND for attempting to load; “module” is the name of the module to be accessed; and “error-code” is the Siemens macro return code.

Action: If the “type” is

- BIND, check the file link statements for the presence of the Adabas library
- REQM, there is a memory shortage in the application program address space

LNKENAB Messages During CICS PLTPI Processing

When CICS is started, the LNKENAB component displays several informational or error messages on the system console. These often contain the addresses of key Adabas and CICS control blocks which are useful in problem determination.

- Be sure that the console messages indicate that the Adabas TRUE environment has been properly established.
- If an error message is produced, note the CICS EIBRESP, EIBRESP2, and EIBRCODE, which is displayed.
- Note any Adabas response code (ACBRSP) displayed by the LNKENAB program at CICS startup.

Explanation of Variables in the Messages

The variable data in the LNKENAB messages is described as follows:

| | |
|-----------|--|
| true-name | the name of the Adabas task-related user exit module |
| link-name | the name of the Adabas command-level link module |
| sss | the ADAGSET SVCNO parameter as set in LNKOLSC |
| dddd | the ADAGSET LOGID parameter as set in LNKOLSC |
| aaaaaaaa | the hexadecimal address |
| nnnnn | the ADAGSET NUBS parameter as set in LNKOLSC |

Note:

The values for “sss”, “dddd” and “nnnnn” are given in decimal. All other displayed numeric values are presented in hexadecimal.

List of LNKENAB Informational Messages and Meanings

The following LNKENAB messages occur during CICS PLTPI processing. They are provided for information only but may be used for problem determination:

ADAK040 ENABLING ADABAS TASK RELATED USER EXIT

Explanation: The Adabas task-related user exit has been enabled.

ADAK041 EXTRACTING GLOBAL WORK AREA (GWA)

Explanation: CICS is determining the location of the global work area (GWA) for the command-level link components.

ADAK042 INITIALIZING ADABAS LINK ROUTINE

Explanation: An initialization call is being made to the command-level link routine.

ADAK043 INITIALIZING ADABAS SVC COMMUNICATION

Explanation: The Adabas SVC environment is being established.

ADAK044 ADABAS Vvrs CICS ENVIRONMENT ESTABLISHED

Explanation: The CICS environment needed for the command-level link components has been built.

ADAK045 T.R.U.E. true-name IS IN USE BY ADABAS LINK ROUTINE link-name

Explanation: This message displays the task-related user exit name and the Adabas link routine with which it is associated.

ADAK046 SVC NUMBER: svc DEFAULT DBID: dbid

Explanation: This message displays the default SVC number and DBID.

ADAK047 UB POOL ADDRESS: aaaaaaaa NUBS: nnnnn

Explanation: This message displays the UB pool address and NUBS value.

ADAK048 USER EXIT AFTER (A) ADDRESS: { aaaaaaaa | NOT IN USE }

Explanation: This message displays the address of the Adabas user exit A or “not in use” if user exit A is not in use.

ADAK049 USER EXIT BEFORE (B) ADDRESS: { aaaaaaaa | NOT IN USE }

Explanation: This message displays the address of the Adabas user exit B or “not in use” if user exit B is not in use.

ADAK050 REVIEW EXIT ADDRESS: { aaaaaaaa | NOT IN USE }

Explanation: This message displays the address of the Adabas Review exit, or “not in use” if the Adabas Review exit is not in use.

ADAK051 ADABAS SAF SECURITY (ADASAF) IN USE

Explanation: The Adabas external security interface (ADASAF) is in use. This message is not displayed if ADASAF is not in use.

ADAK052 ADABAS TRANSACTION MANAGER (ATM) IN USE

Explanation: Adabas transactions are being coordinated through the CICS Resource Manager Interface (RMI) using the Adabas Transaction Manager (ATM). This message is not displayed if the RMI is not in use.

ADAK053 ADABAS BRIDGE FOR VSAM (AVB) IN USE

Explanation: The Adabas Bridge for VSAM (AVB) is in use. This message is not displayed if AVB is not in use.

ADAK054 T.R.U.E. GLOBAL WORK AREA (GWA) ADDRESS: aaaaaaaa

Explanation: This message displays the address allocated to the global work area.

ADAK055 ADABAS LINK ROUTINE EPA: aaaaaaaa

Explanation: This message displays the entry point address (EPA) of the Adabas link routine.

ADAK056 ADABAS LINK ROUTINE D.C.I. EPA: aaaaaaaa

Explanation: This message displays the entry point address (EPA) of the Adabas link routine direct call interface (DCI).

ADAK057 ADABAS SVC IDTH ADDRESS: aaaaaaaa

Explanation: This message displays the address of the Adabas SVC IDT header.

ADAK058 RESYNC COMMAND ISSUED

Explanation: The CICS RMI for Adabas is in use and resynchronization will now take place for any incomplete transactions involving Adabas databases.

ADAK059 ATM INACTIVE; RESYNC DEFERRED

Explanation: The CICS RMI for Adabas is in use and resynchronization may be required for incomplete transactions involving Adabas databases. However, the Adabas Transaction Manager (ATM) is not currently active. Resynchronization will occur when ATM is restarted.

List of LNKENAB Error Messages and Meanings

The following LNKENAB messages may appear if an error occurs in the installation or execution of the command-level link routine, the PLT-enable program, or the task-related user exit.

Note:

In the following error messages, values displayed as “xxx..” are hexadecimal, while those displayed as “nnn..” are decimal.

ADAK061 ADATRUE - ENABLE STAGE FAILED
EIBRESP: xxxxxxxx EIBRESP2: xxxxxxxx

Explanation: The task related user exit could not be enabled due to the EIB response code “xxxxxxx” and EIB response code 2 “xxxxxx”.

Action: Consult the appropriate CICS documentation to determine the cause of the error in the exec interface block (EIB).

ADAK062 ADATRUE EXTRACT GWA FAILED
EIBRESP: xxxxxxxx EIBRESP2: xxxxxxxx

Explanation: The requested task-related user exit global storage could not be EXTRACTed due to the EIB response and response 2 codes given as “xxxxxxx”.

Action: Consult the appropriate CICS documentation to determine the cause of the error in extracting the global work area.

ADAK063 INITIALIZATION CALL TO LINK ROUTINE FAILED
EIBRCODE: xxxxxxxx ADARSP: nnnn

Explanation: The Initialize Link command (IL) could not be executed because of EIB response code “xxxxxxx”, or Adabas response code “nnnn”.

Action: If the EIBRCODE field returns a non-zero value, consult the appropriate CICS documentation to determine the cause of the error. If the ADARSP returns a non-zero value, consult the response codes in chapter 2.

ADAK064 ADABAS CALL TO ESTABLISH IDTH FAILED

Explanation: The close command (CL) to Adabas failed due a response code other than response 148.

Action: Most often, this is caused by an incorrect Adabas SVC number in the ADAGSET macro; otherwise, check to see that the Adabas SVC is installed, and at the correct version.

ADAK065 INVALID D.C.I ADDRESS - CANNOT CONTINUE

Explanation: The IDTH address was not set by the command-level link routine during the CL command.

Action: Verify that the correct version of the Adabas command-level link routine is installed, and that the entry point name “ENTPT=” in ADAGSET is correct.

ADAK066 ADAENAB VERSION: version DOES NOT MATCH ADABAS LINK

Explanation: The ADAENAB version does not match the version of the ADATRUE or “ADABAS” link routine being installed. All three modules must be at the same version for the install to succeed.

Action: Verify that the correct version of all three modules is installed.

ADAK068 RMI INITIALIZATION ERROR: CMD: cmd RESP: resp RC: rc

Explanation: The RMI initialization routine could not complete its processing due to the indicated error. The message may provide a failing CICS command (“cmd”) and response code (“resp”), or an ATM error code (“rc”) and, if relevant, Adabas response code (“resp”).

Action: Investigate the meaning of the displayed response code and/or error code. If possible, correct the error; otherwise, report the details to your Software AG technical support representative.

Command Log (CLOG) System Messages

Note:

Each of the messages in this section starts with the relevant database ID.

ADAL01 CLOG NOT ACTIVE

Explanation: The command log is sequential, and the DDLOG dataset was either set to “dummy” or could not be opened. Command logging is switched off.

ADAL02 CLOGRn IS ACTIVE

Explanation: The specified command log for dual or multiple command logging is now active.

ADAL03 COMMAND LOG DDCLOGRn HAS STARTED

Explanation: Command logging has switched to dataset DD/CLOGRn.

ADAL04 WARNING : NOW IT IS TOO LATE TO COPY DDCLOGRn

Explanation: The specified dual or multiple command logging dataset is being overwritten with new log data, and is no longer valid.

ADAL05 I/O ERROR ON DDCLOGRn. COMMAND LOGGING TERMINATED

Explanation: Command logging to dataset DDCLOGRn was terminated by an I/O error

ADAL06 COMMAND LOG IS NOT AVAILABLE

Explanation: None of the dual or multiple command logging datasets was available (presently being copied by ADARES). Command logging is switched off.

ADAL07 COMMAND LOG COULD NOT BE OPENED

Explanation: An invalid command logging device or size was specified, or an I/O error on either the first or last block was detected. Command logging is switched off.

ADAL10 PPT ERROR nn PROCESSING CLOG

Explanation: An error occurred while processing the parallel participant table (PPT). The nucleus stays up, but command logging is disabled.

Action: Collect diagnostic information such as that provided by the ADAICK PPTPRINT function. Provide the error number “nn” and the PPTPRINT to your Software AG technical support representative. It may be necessary to format the PPT and restart the nuclei in order to rebuild the PPT.

**ADAL11 WARNING – CLOG DATASETS HAVE CHANGED.
PPT OVERWRITTEN.****ADAL11 USE ADARES MERGE CLOG TO COPY PREVIOUS CLOG
DATASETS.**

Explanation: Either the CLOG datasets are different from what was specified in the last session or no CLOGs are specified but the previous CLOGs were not copied. The PPT information about these datasets is being overwritten.

Action: If the contents of the CLOGs are still needed, they must be copied with the CLCOPY function and then merged manually. If the contents are not needed, no action is required.

ADAMnnn System Messages

ADAM001 VM/SYSTEM PRODUCT RELEASE LEVEL UNDER 3 – NOT SUPPORTED

Explanation: The VM/ESA version being used is not supported by the Entire Net-Work IUCV driver.

Action: The IUCV line driver cannot be opened.

User Action: Upgrade the system to the required VM level.

ADAM002 LINE DRIVER MAXIMUM NUMBER OF CONNECTIONS EXCEEDED ON type MACHINE

Explanation: VM/ESA systems only: An IUCV connection between two virtual machines could not be made because either the initiating (source) or target virtual machine exceeded the MAXCON value in the machine's CP directory. "Type" specifies the machine (SOURCE or TARGET) that exceeded the MAXCON value.

Action: Increase the appropriate MAXCON value and update the machine's CP directory.

ADAM003 NO IUCV AUTHORIZATION FOUND

Explanation: Entire Net-Work was not able to sign on to IUCV because the virtual machine was not IUCV-authorized in the CP directory.

Action: The IUCV line driver cannot be opened.

User Action: Add the required IUCV statements to the CP directory for the virtual machine.

ADAM004 NO IUCV MESSAGE FOUND ON LINK link-name

Explanation: The Entire Net-Work IUCV line driver attempted to receive or reply to a message that was not found in any IUCV message queue.

Action: The IUCV line terminates Entire Net-Work abnormally.

User Action: Make note of the link “link-name”, any related messages and dump listings, and call your Software AG technical support for assistance.

ADAM005 IUCV function FUNCTION ERROR err-num ON LINK link-name ON PATH-ID path

Explanation: The specified function detected error “err-num” on the specified link and path.

Action: This message is followed by message ADAM007. The IUCV line terminates Entire Net-Work abnormally.

User Action: Note the error number (“err-num”), the link (“link-name”) and any related messages, and call your Software AG technical support for assistance.

ADAM006 IUCV SEND COMPLETION ERROR err-num ON LINK link-name PATH-ID path

Explanation: The IUCV SEND function detected error “err-num” on the specified link and path.

Action: The IUCV line terminates Entire Net-Work abnormally.

User Action: Note the error number (“err-num”), the link (“link-name”), any related messages, and call your Software AG technical support for assistance.

ADAM007 IUCV PARAMETER BLOCK AT LOCATION location

Explanation: This message occurs after an ADAM005 error, and is followed by a hexadecimal display of the failing IUCV parameter block.

Action: This message is preceded by message ADAM005. The IUCV line terminates Entire Net-Work abnormally.

User Action: Retain the displayed information plus any other related error or dump information and contact your Entire Net-Work technical support representative.

ADAM008 INCOMING TRAFFIC IMPAIRED ON LINK link-name DUE TO BUFFER SHORTAGE

Explanation: Incoming messages on link “link-name” are being delayed due to insufficient buffer space.

Action: Entire Net-Work suspends incoming data traffic until the buffer shortage is resolved.

User Action: Increase the short-term buffer size for a virtual machine running a non-paging guest operating system, or increase the page-fixed buffer size for a paging guest system virtual machine. Both buffers are controlled by the NODE statement parameters for “link-name’s” node.

ADAM009 COMMUNICATIONS IMPAIRED TO LINK link-name

Explanation: Communication with the specified link is impaired by insufficient buffer space on that node. Message ADAM008 occurs on that node, advising of the problem.

Action: The adjacent Entire Net-Work node suspends incoming data traffic until the buffer shortage is resolved.

User Action: Increase the short-term buffer size for a virtual machine running a non-paging guest operating system on the specified node, or increase the page-fixed buffer size for a paging guest system virtual machine. Both buffers are controlled by the NODE statement parameters for “link-name’s” node.

ADAM01 version job-name ABEND CODE code

Explanation: VSE systems only: An ADAMAF ABEND occurred. The variable message information is as follows:

version Adabas version
job-name the VSE job name
code the ABEND code
 (see chapter 4 for ABEND code descriptions)

ADAM010 PENDING CONNECTION REJECTED DUE TO BUFFER SHORTAGE

Explanation: This node could not accept a connection due to inadequate buffer space.

Action: The IUCV path which was initiated is not connected.

User Action: Increase the short-term buffer size for a virtual machine running a non-paging guest operating system, or increase the page-fixed buffer size for a paging guest system virtual machine. Both buffers are controlled by the NODE statement parameters for the specified node.

ADAM011 NORMAL COMMUNICATIONS RESUMED TO LINK link-name

Explanation: This informational message advises that the condition causing previous impaired communications has been corrected.

Action: A buffer shortage indicated by a message ADAM008 or ADAM009 has been resolved.

User Action: No action required. This message is for your information only.

ADAM012 BUFFER PROGRAM CHECK ON LINK link-name

Explanation: A program check occurred while accessing an IUCV buffer area.

Action: Entire Net-Work terminates operation with a dump.

User Action: Note the link "link-name", any related error or dump listing information, and call your Software AG technical support for assistance.

ADAM013 number NUMBER OF SENDS 2WAY count-a 1WAY count-b

Explanation: This normal termination message specifies the total number of SEND/REPLY (SEND 2WAY) and SEND 1WAY messages, as well as the counts of each type of SEND.

Action: Entire Net-Work proceeds to terminate normally.

User Action: No action required. This message is for your information only. An excessive number of SEND 1WAYs maybe an indicator that the MSGLIM parameter value is insufficient.

ADAM014 number NUMBER OF REPLIES NON-NULL count-a NULL count-b

Explanation: This normal termination message specifies the total number of IUCV replies as well as the counts of replies containing data (non-null) and those without data (null).

Action: Entire Net-Work proceeds to terminate normally.

User Action: No action required. This message is for your information only. An excessive number of null replies indicates the SEND 1WAY protocol is more suitable.

**ADAM015 INCOMING MESSAGE EXCEEDS BUFFER LENGTH ON
LINK link-name**

Explanation: An incoming IUCV message from the link "link-name" was too long for the available buffer.

Action: Entire Net-Work terminates operation with a dump.

User Action: Increase the short-term buffer pool size (specified by the NODE statement for the specified node ID).

ADAM016 OUTGOING MESSAGE EXCEEDS BUFFER LENGTH ON LINK link-name

Explanation: An outgoing IUCV message was too large for the allocated buffer space.

Action: Entire Net-Work terminates operation on this node with a dump.

User Action: Increase the short-term buffer pool size (specified by the NODE statement for this node ID).

ADAM017 CONNECTION TO USER user-id DENIED DUE TO BLOCK LENGTH CONFLICT

Explanation: The values specified by this node's and the partner node "user-id's" LINK statement MAXBLK parameters are not the same.

Action: The IUCV path that was initiated is not connected.

User Action: Correct one of the LINK statement's MAXBLK values to agree with the other.

ADAM018 MESSAGE LIMIT ON PATH TO VMID vm-id INSUFFICIENT

Explanation: The maximum number of outstanding IUCV messages allowed was exceeded.

Action: The IUCV line terminates abnormally.

User Action: Correct either the IUCV LINK statement's MSGLIM parameter value, or the CP directory MSGLIMIT value.

ADAM019 MAXIMUM BLOCK LENGTH SET TO length

Explanation: Entire Net-Work found no MAXBLK value on the IUCV LINK statement in a paging system where a maximum block size is required.

Action: Entire Net-Work sets the block length to the page size "length".

ADAM020 INITIALIZATION ERROR err-num FOR GUEST SYSTEM IUCV SUPPORT

Explanation: Entire Net-Work was unable to initialize the IUCV line driver in the guest operating system. The driver is not opened.

Action: If the IUCV driver is the only driver specified, Entire Net-Work terminates operation on this node.

User Action: Note the error number (“err-num”) and guest operating system level, and call your Software AG technical support for assistance.

ADAM021 LINK link-name NOT CONNECTED ERROR err-code IUCV-CODE code

Explanation: A connection could not be made to another virtual machine. The error code “err-code” is returned by the operating system’s IUCV interface; the IUCV code “code” is returned in the IPRCODE field of the IUCV parameter block. The value “code” can be one of the following IUCV CONNECT error codes:

- 11 Target communicator not logged on.
- 12 Target communicator has not invoked the DECLARE BUFFER function.
- 13 The maximum number of connections for this virtual machine has been exceeded.
- 14 The maximum number of connections for the target virtual machine has been exceeded.

IUCV codes 11 and 12 are two of the most common codes that can occur.

User Action: Ensure that the virtual machine at the other end of the link is logged on, active, and authorized to use IUCV. Refer to the appropriate operating system information for the meaning of “err-code”, and the corrective action. For detailed IUCV and related code information, see IBM’s *VM System Programmer’s Guide* and *VM System Facilities for Programming* manuals.

ADAM022 PATH TO VMID vm-id DISCONNECTEDDUE TO INTERRUPT QUEUE SHORTAGE

Explanation: The Entire Net-Work IUCV support routine was not able to save the status of an incoming IUCV interruption due to a lack of interrupt queue elements.

Action: The IUCV link is disconnected.

User Action: Increase the value of the QSIZE parameter for NETSIR and rerun NETSIP with the REPLACE parameter

ADAM13 number NUMBER OF SENDS 2WAY count-a 1WAY count-b

Explanation: This normal termination message specifies the total number of SEND/REPLY (SEND2WAY) and SEND1WAY messages, as well as the counts of each type of SEND.

ADAM14 number NUMBER OF REPLIES NON-NULL count-a NULL count-b

Explanation: This normal termination message specifies the total number of IUCV replies as well as the counts of replies containing data (non-null) and those without data (null).

ADAM15 INCOMING MESSAGE EXCEEDS BUFFER LENGTH ON LINK link-id

Explanation: An incoming IUCV message from the specified link exceeded the length of the available buffer.

Action: Entire Net-Work terminates with a dump.

User Action: Use the message blocking and/or compression options for the link (specified by the IUCV LINK statement), or increase the short-term buffer pool size (specified by the NODE statement for the specified node ID).

ADAM16 OUTGOING MESSAGE EXCEEDS BUFFER LENGTH ON LINK link-id

Explanation: An outgoing IUCV message was too large for the allocated buffer space.

Action: Entire Net-Work terminates operation on this node with a dump.

User Action: Use the message blocking and/or compression options for the specified link (specified by the IUCV LINK statement), or increase the short-term buffer pool size (specified by the NODE statement for this node ID).

ADAM17 CONNECTION TO USER user-id DENIED DUE TO BLOCK LENGTH CONFLICT

Explanation: The values specified by this node's and the partner node "user-id's" LINK statement MAXBLK parameters are not the same.

User Action: Correct one of the LINK statement's MAXBLK values to agree with the other.

ADAM18 MESSAGE LIMIT ON PATH TO VMID vm-id INSUFFICIENT

Explanation: The maximum number of outstanding IUCV messages allowed was exceeded.

User Action: Correct either the IUCV LINK statement's MSGLIM parameter value, or the CP directory OPTION MAXCONN value.

ADAM19 MAXIMUM BLOCK LENGTH SET TO length

Explanation: Entire Net-Work found no MAXBLK value on the IUCV LINK statement, and therefore has set the block length to the page size "length".

ADAM20 INITIALIZATION ERROR err-num FOR GUEST SYSTEM IUCV SUPPORT

Explanation: Entire Net-Work was unable to initialize the IUCV line driver in the guest operating system. The driver is not opened.

Action: If the IUCV driver is the only driver specified, Entire Net-Work terminates operation on this node.

User Action: Note the error number (“err-num”) and guest operating system level, and call your Software AG technical support for assistance.

ADAM81 dbid UNEXPECTED RETURN CODE ret-code / information IN function

Explanation: BS2000 systems only: The BS2000 macro or function “function” issued the unexpected return code “ret-code”. Depending on the specified macro or function, “information” contains more error-specific information:

| Function | Information |
|-----------------|--|
| ENAEI | task sequence number |
| DISEI | task sequence number |
| POSSIG | task sequence number |
| ENAMP | pool name. If “ret-code” is 08...00, a common memory pool is already present, but it must be new |
| REQMP | pool name |
| MP2LEVEL | ADAMP2 level (first byte) ADARER level (fourth byte) |

User Action: For the ENAMP function, if “ret-code” is 08...00, a common memory pool is already present and a new pool is being required. An attempt was most likely made to bring up an active nucleus again. **Do not bring up the same nucleus twice for the same task if the ENAMP function was indicated.**

The MP2LEVEL indication occurs when an incompatible reentrant router was loaded by another Adabas nucleus. Refer to the related BS2000 information for return code meanings and actions.

ADAM82 dbid ADABAS CANCELLED IN BOURSE WAIT

Explanation: BS2000 systems only: The Adabas nucleus was cancelled while waiting for an event.

Action: The nucleus terminates without giving control to termination recovery to reset the the DIB block. The user ABEND code is 233.

ADAM83 dbid text

Explanation: BS2000 systems only: The message “text” is explained as follows:

NEW IDT CREATED,NAME=idt-name,GROUPS={YES | NO}

The reporting task created a new ID table “idt-name” located above the 16-MB limit with the attribute GROUPS=NO (global to the machine) or GROUPS=YES (in the scope of the user logon).

CONNECTED TO IDT idt-name,GROUPS={YES | NO}

The reporting task participates in the existing ID table “idt-name” located above the 16-MB limit with the attribute GROUPS=NO (global to the machine) or GROUPS=YES (in the scope of the user logon).

CMDQ/AB POOL ENABLED, LOC=loc

The location of the command queue (CMDQ) pool is location “loc”, which is either “above” or “below”.

DISCONNECTED FROM IDT idt-name

The nucleus closed out its use of ID table “idt-name”. Another nucleus or user task is holding the ID table.

DISCONNECTED FROM CMDQ/AB POOL

The nucleus stopped processing, but the command queue (CMDQ) pool is still being held by a user task.

IDT DISABLED, NAME=idt-name

CMDQ/AB POOL DISABLED

The nucleus stopped processing, and no user task is using the command queue, which is removed from the system.

ADAM85 dbid IDT INIT ERROR : text

Explanation: BS2000 systems only: An error occurred during the initialization of the IDT. Depending on the message text, the explanations are as follows:

ADARER IS NO BS2000 ROUTER

The load library does not contain a consistent router module (ADARER).

WRONG ADARER VERSION vv EXPECTED: ee

The load library contains a router module (ADARER) from an earlier Adabas version where “vv” is the version level encountered and “ee” is the version level required.

**RERPROG NE “RERBS2”
NOT AN XS ROUTER
NOT AN SMP ROUTER
ROUTER NOT AT OFFSET 0**

A module containing the Adabas router (ADARER) was loaded, but it is not an SSF router of the required version.

User Action: Check the contents of the load library(s). Check load library assignments.

ADAM86 dbid IDT CONN ERROR : text

Explanation: BS2000 systems only: An error occurred during connection to an existing IDT. Depending on the message text, the explanations are as follows:

ADARER IS NO BS2000 ROUTER

The IDT does not contain a consistent router module (ADARER). IDTNAME= specifies a memory pool other than an Adabas IDT.

WRONG ADARER VERSION

The IDT contains a router module (ADARER) from an earlier Adabas version.

User Action: Check IDTNAME= parameters. Note that the first target coming up and initializing the IDT must have the latest Adabas version.

| | | |
|---------------|---|-----------|
| ADAM86 | dbid IDT CONN ERROR : text | 1) |
| ----- | | |
| | SMPSVC (ROUTER EXTENSION) NOT LOADED | 1) |
| | DBID ALREADY IN USE BY SMP CLUSTER | 2) |

Explanation: BS2000 systems only: An error occurred when attempting to connect to the IDT. A memory pool named by IDTNAME was found, but did not contain the expected structure. The message “text” is explained as follows:

RERPROG NE “RERBS2”

The ADARER program encountered was not the required RERBS2.

ROUTER ID WAS xxxx,EXPECTED yyyy

The router ID encountered (xxxx) was not the router ID required (yyyy).

RERAIDT = ZERO**IDIDTID = WRONG VALUE****NOT AN SMP ROUTER**

This message can occur when an Adabas nucleus of version 6.1.3 or above attempts to connect to a non-SMP router; that is, one that contains modules from Adabas version 6.1.2 or below.

User Action: Determine whether

- the IDTNAME specifies an IDT at the appropriate version level.
- another target is using a DBID reserved for internal SMP purposes.

**ADAM89 dbid UNEXPECTED RETURN CODE ret-code FROM
SSF FUNCTION (function)**

Explanation: BS2000 systems only: The specified SSF function encountered an unrecoverable condition.

User Action: Contact your Adabas technical support representative.

ADAM90 dbid ADABAS SUBTASK ABEND CODE code PSW password
reg0 reg1 reg2 reg3 (R0-R3)
reg4 reg5 reg6 reg7 (R4-R7)
reg8 reg9 reg10 reg11 (R8-RB)
reg12 reg13 reg14 reg15 (RC-RF)

Explanation: An Adabas subtask ABEND occurred. The ABEND code, password, and register information is in the same format as the ADAM99 message.

Action: The subtask terminates with Adabas user ABEND 252.

ADAM91 dbid target USER GONE JOB job-name USER ID hex-user-id

Explanation: Adabas tried to process a user call, but the addressed data area was not addressable, or no longer contained recognizable data. This message occurred while Adabas was receiving the command (router 08-CALL processing).

Action: The program was apparently cancelled after issuing an Adabas command (router 04-CALL), perhaps due to a communication delay or timeout.

User Action: Avoid ending, ABENDING, or cancelling the program, if possible.

ADAM92 dbid target USER GONE JOB job-name USER ID hex-user-id

Explanation: Adabas tried to process a user call, but the addressed data area was not addressable, or no longer contained recognizable data. This message occurred while Adabas was posting the user after command completion (router 12-CALL processing).

Action: The program was apparently cancelled after issuing an Adabas command (router 04-CALL), perhaps due to a communication delay or timeout.

User Action: Avoid ending, ABENDING, or cancelling the program, if possible.

ADAM93 dbid target USER GONE JOB job-name USER ID hex-user-id

Explanation: The user's program exceeded the ADARUN CT time allowed without receiving the results of an Adabas call (performing router 16-CALL processing). This could be caused by processing delays caused by an overloaded system or network, low priority, or teleprocessing delays.

Action: Adabas assumes that the user program has been cancelled; Adabas frees the command queue element (CQE) and alternate buffers. If a user program eventually issues a router 16-CALL, a response code 254 also occurs.

User Action: Consider increasing the ADARUN CT time, or otherwise increase the resources for the user program. Avoid cancelling or ending the user program, if this was done.

ADAM96 dbid MPM RUNNING IN XAE-mode-type MODE UNDER Vv**ADAM96 dbid MPM RUNNING IN ops-mode-type MODE UNDER level**

Explanation: This message specifies the mode under which Adabas is running:

| | |
|-----------|--|
| ops | VSE operating system type, either "370" or "ESA" |
| v | the VSE/SP version |
| mode-type | SHARED NON-SHARED NON-SPECIFIED |
| level | the operating system level |

ADAM97 dbid MVS HAS SET THIS SERVICE'S ASCB/ASID UNUSABLE UNTIL THE NEXT IPL INITIATOR MUST BE RESTARTED

Explanation: ASIDs are defined by cross-memory services. For more information regarding the use of ASCB/ASIDs by Adabas, refer to the *Adabas Installation Manual* section **Requirements for Cross-Memory Services**.

User Action: Ask the system operator to start the initiator.

ADAM97 dbid THIS ASCB/INITIATOR WILL BE TERMINATED BY MVS AT EOJ

Explanation: When a nucleus with an active cross-memory environment ends, the entire address space including any initiator is also terminated, whether termination is normal or not. Refer to the *Adabas Installation Manual* section **Requirements for Cross-Memory Services**.

User Action: None required. This information is for your information only.

ADAM98 dbid TARGET INITIALIZATION ERROR: cause

Explanation: ADAMPM was unable to establish interregion communication for the reason specified by “cause”, which is one of the following:

INTERNAL ERROR

User Action: Keep all dumps, messages, and other related information and contact your Software AG support representative.

NUMBER CQES (NC PARM)

User Action: Specify an NC parameter value in the range 1 – 32767.

INVALID ID (DA PARM)

User Action: Specify a TARGETID or DATABASE parameter value in the range 1 – 65535.

LENGTH IUB (LU PARM)

User Action: Specify an LU parameter value in the range 1 – 65535.

NO ID TABLE

Explanation: The ID table was not correctly initialized by ADASIP and/or ADASIR. For VM/CMS, this cause means the ID table manager virtual machine is not active.

User Action: Rerun ADASIP and/or ADASIR to correctly initialize the ID table.

DUPLICATE ID (LOCAL)

Explanation: The ID table already contains an active entry for the target ID (database ID) specified. Multiple targets with the same ID are not allowed.

User Action: Choose which of the two targets should be active and if necessary, end the currently active target, and restart the job for the other target.

Do not specify the FORCE=YES ADARUN parameter unless it is absolutely certain that the ID table entry now active was left behind by a target that is no longer valid. If this problem continues, retain all related information and contact the Software AG support representative.

ID TABLE FULL

Explanation: The system already holds the maximum allowed number of ID table entities that can be simultaneously active: databases, Entire Net-Work nodes, Entire System Server (Natural Process) nuclei, etc. This maximum is set during ID table initialization; the default is 10.

User Action: Either terminate one of the active targets and restart the job, or end all active targets and reinitialize the ID table with a larger size (using ADASIP or by re-IPLing the system).

DUPL. COMMUNIC./TRANSL.

Explanation: Only one communicator/translator can be active at any one time.

User Action: Correct the problem and rerun the job.

NO COMMON MEMORY CQ/AB

Explanation: The necessary common storage space for the command queue (CQ) and/or the attached buffer pool is not available.

User Action: Either specify a smaller buffer requirement if possible, or re-IPL the system to free lost common storage.

DUP ID ON NODE node-id

Explanation: In Entire Net-work, target (database) IDs must be unique across all connected systems. Duplicate target IDs cannot be active on systems connected with Entire Net-Work.

User Action: Determine the conflicting targets having the specified node ID, and choose which is to be active under the specified ID.

NUMBER ATTBUFFS (NA-PARM)

Explanation: The attached buffer count (NA parameter in ADARUN) was either not specified or specified as zero, or the requested space is unavailable.

User Action: Either correct the parameter or increase the region size. Restart the job.

COMMUNICATOR RSP=resp-code

Explanation: An unexpected response code resulted from the sign-on call to the Entire Net-Work communicator. This message can also occur when Entire Net-Work installation has not completed for some reason.

User Action: Refer to the Entire Net-Work documentation for a description of the response code “resp-code”.

| | | | | | | | | |
|---------------|-------------|---------------|-----------------|----------------|----------------|--------------|--------------|----------------------|
| ADAM99 | dbid | ADABAS | ABEND | CODE | code | PSW | psw | op-sys |
| | reg0 | reg1 | reg2 | reg3 | reg4 | reg5 | reg6 | reg7 (R0-R7) |
| | reg8 | reg9 | reg10 | reg11 | reg11 | reg13 | reg14 | reg15 (R9-RF) |
| | ANC0 | addr | ANC1 | addr | | ANC4 | addr | |
| | ANC5 | addr | ANC6 | addr | | ANC9 | addr | |
| | ANET | addr | ASMP... | ASMQ... | ADSF... | ACSH | addr | |
| | AREV | addr | EX1 ... | EX2 ... | EX3 ... | EX4 | addr | |
| | EX7 | addr | EX8 | addr | | | | |
| | AIOR | addr | AIOI ... | ALNK .. | AMPM.. | ARUN | addr | |

Explanation: Either a system or nucleus ABEND activated the STAE ABEND routine. In VSE systems, the rightmost three digits of ABEND codes are zeros. The system ABEND code is then quoted as the value formed by the next three digits to the left (00ccc000). ABEND codes contained in the rightmost three digits (00000ccc) are Adabas nucleus ABEND codes.

(VSE systems only)

The system ABEND code is the VSE Advanced Functions cancel code (refer to the IBM's *VSE/AF Messages and Codes* manual for the code meaning).

The message also displays the active program status word “psw”, the work register contents, and the Adabas nucleus modules' entry points at the time of the ABEND. “psw” is the 16-character program status word, and has the following format:

nnnnnnnnn nnnnnnnnn

—where the rightmost six or eight (ESA systems) characters contain the instruction address at the time of the ABEND.

(BS2000 systems only)

The rightmost two digits of the first word in the “code” field show the STXIT interrupt code (refer to the manual *Executive Supervisor Calls* for code meanings).

The 16 register values “reg0–reg15” are the work register contents at the time of failure. The “ADANC” section shows the addresses “...(addr)” of the Adabas nucleus modules. The letters before the address value are abbreviations of the module name.

Modules that are not loaded have addresses of zero. All ABEND code, register, and addresses are shown in hexadecimal.

Action: Adabas user ABEND 253 occurs after this message.

User Action: Refer to chapter 4 for a description of a nucleus ABEND, or to the appropriate operating system documentation for a description of the system ABEND that occurred.

ADAQnn System Messages

ADAQnn messages are received from the Adabas Review hub.

Note:

Each of the messages in this section starts with the relevant database ID.

ADAQ89 POSSIBLE CONFLICT BETWEEN REVIEW HUB AND UEX4. RAOSEXIT DISABLED.

Explanation: The Adabas Review hub was enabled by specifying the REVIEW parameter with a hub ID value in addition to the UEX4 parameter. The user exit 4 module, however, was identified as RAOSEXIT, a Review user exit that is not compatible with the Adabas Review hub. The Adabas nucleus completes its initialization but no calls to user exit 4 are performed by ADALOG.

User Action: If the UEX4 parameter is left over from a previous conversion, remove the parameter. Otherwise, supply the correct user exit 4 module name.

ADAQ90 REVIEW HUB INACCESSIBLE BECAUSE REVIEW HUBID WAS NOT SPECIFIED.

Explanation: The REVIEW hub ID value was zero. The Adabas nucleus completes its initialization but no calls are made to the Adabas Review hub.

User Action: Specify the correct REVIEW hub ID value and restart the nucleus.

ADAQ91 module-name MONITORING SYSTEM INITIALIZATION FAILED. SEE ERROR MESSAGES.

Explanation: The specified monitoring system component returned a nonzero status. Such a failure is accompanied by error messages displayed by the monitoring system. The Adabas nucleus completes its initialization but no calls are made to the monitoring system.

User Action: Check the monitoring system error messages, correct the cause of the error, and restart the nucleus.

**ADAQ92 module-name MONITORING SYSTEM WAS NOT LOADED.
CONTACT YOUR VENDOR.**

Explanation: The specified monitoring system component could not be loaded. It is possible that the load library containing the expected module was not specified in the job stream of the nucleus. The Adabas nucleus completes its initialization but no calls are made to the monitoring system.

User Action: Correct the cause of the error and restart the nucleus.

**ADAQ93 module-name MONITORING MAY BE INCOMPLETE BECAUSE
ADALOG IS NOT LOADED.**

Explanation: The command logging module ADALOG was not loaded. The monitoring system cannot process command log records. The Adabas nucleus completes its initialization but no calls are made to the monitoring system.

User Action: Correct the cause of the error and restart the nucleus

**ADAQ94 module-name IS AN INCORRECT VERSION LEVEL.
CONTACT YOUR VENDOR.**

Explanation: The specified module is at an incorrect version level and cannot be used with this version and/or SM-level of Adabas. The Adabas nucleus completes its initialization but no calls are made to the monitoring system.

User Action: Contact your monitoring system vendor to determine if the correct module is being used or supplied.

**ADAQ95 module-name DOES NOT HAVE THE CORRECT PIM.
CONTACT YOUR VENDOR.**

Explanation: The specified module is incompatible with this version and/or SM-level of Adabas. The Adabas nucleus completes its initialization but no calls are made to the monitoring system.

User Action: Contact your monitoring system vendor to determine if the correct module is being used or supplied.

**ADAQ96 module-name CANNOT MONITOR IOR CALLS AT THIS TIME.
UNUSUAL ERROR.**

Explanation: Adabas cannot give control to the specified monitoring system module for purposes of monitoring I/O activity. The problem is that the Adabas system dependent interface module was not properly loaded. The Adabas nucleus completes its initialization but no calls are made to the monitoring system.

User Action: Note the error message number and module name and call your Software AG technical support for assistance.

**ADAQ97 system-name IS NOT A RECOGNIZED MONITOR SYSTEM.
CHECK YOUR PARAMETER.**

Explanation: The parameter "MONITOR=system-name" does not specify a valid monitoring system name. The Adabas nucleus completes its initialization but no calls are made to the monitoring system

User Action: Correct the parameter and restart the nucleus.

**ADAQ98 system-name CONFLICTS WITH REVIEW HUBID PARAMETER.
ADABAS REVIEW HUB ASSUMED.**

Explanation: The REVIEW parameter with a hub ID value was specified in conjunction with the MONITOR parameter, but the specified monitoring system name was not Adabas Review. Adabas assumes that the monitoring system is Adabas Review and will send its calls to the hub.

User Action: None required if Adabas Review is the desired monitoring system. If the monitoring system is not supposed to be the Adabas Review hub, remove the REVIEW parameter and restart the nucleus.

**ADAQ99 REVIEW HUBID = ADABAS DBID IS NOT PERMITTED. REVIEW HUB
INACCESSIBLE.**

Explanation: The specified REVIEW hub ID value is identical to the value specified for the DBID parameter. The Adabas Review hub cannot have the same target ID as that of the Adabas nucleus. The Adabas nucleus completes its initialization but no calls are made to Adabas Review.

User Action: Correct the REVIEW parameter and restart the nucleus.

ADARnn System Messages

All ADARnn messages are written to the operator console.

ADAR01 version job-name load-name RC=ret-code

Explanation: The LOAD or CDLOAD macro failed and ADARUN was not able to load ADAIOR. ADARUN issues a message and ends with an abnormal end (ABEND). “load-name” is either LOAD for LOAD (SVC 4) or CDLO for CDLOAD (SVC65). “ret-code” is the return code from the CDLOAD or LOAD macro, and can have the following meanings:

Return codes from the CDLOAD macro include

- 0 successfully completed
- 4 GETVIS area size OK
- 8 specified length exceeds GETVIS area
- 12 insufficient GETVIS storage
- 16 CDLOAD directory is full
- 20 nonexistent phase (when RETPNF=YES)
- 24 move mode phase requested

Return codes from the LOAD macro include

- 0 LOAD completed successfully
- 4 phase not found, was deleted, or recataloged
- 8 unrecoverable I/O error
- 12 invalid library/sublibrary structure found
- 16 address range violation: directory entry exceeds partition, or phase does not fit in partition
- 20 security violation
- 24 incompatible library directory entries: phase length, relocation state or load point/partition start or load point/entry point address differences. The library directory entry overwrites the local entry.

28 partition/logical transient area is too small

ADAR10 LOGIC ERROR AT module+offset
R0=reg0 R1=reg1 R2=reg2 R3=reg3
R4=reg4 R5=reg5 R6=reg6 R7=reg7
R8=reg8 R9=reg9 RA=regA RB=regB
RC=regC RD=regD RE=regE RF=regF

Explanation: A logic error occurred during ADARAI processing either while collecting information during a utility or nucleus run, or while executing the ADARAI utility itself. The logic error is identified by the module and offset and the registers at the time of the error are provided in subsequent lines of the message.

User Action: Contact your technical support representative. Provide the actions required to trigger the error and the text of the error message itself.

ADAR12 action ERROR 'error' ON file DATASET

Explanation: An I/O error occurred during an operation, identified by the 'action' value, which was issued against a dataset by the Adabas Recovery Aid collection or utility component. The dataset is identified by the 'file' value and the error will be identified by the 'error' value.

| | | |
|--------|--|--------------------------------------|
| action | OPEN | – dataset was being opened |
| | CLOSE | – dataset was being closed |
| | READ | – dataset was being read |
| | WRITE | – dataset was being written to |
| error | A description of the error that occurred | |
| file | RLOG | – error occurred on the RLOG dataset |
| | PLOG | – error occurred on a PLOG dataset |
| | ASSO | – error occurred on an ASSO dataset |

User Action: The 'error' value indicates the error that occurred while accessing the identified dataset.

ADAR13 INCONSISTENT DBID asso-dbid, RLOG DBID rlog-dbid

Explanation: The database ID for the database in the GCB is 'asso-dbid', which does not correspond with the database ID with which the RLOG was initialized ('rlog-dbid'). This message is issued by the Adabas Recovery Aid collection component and causes the utility operation or nucleus initialization request to fail.

User Action: Either the RLOG used for this utility run was not initialized to run with the database in use, or the database ID of the database was changed. In this case, the RLOG must be reinitialized using the ADARAI PREPARE function.

ADAR14 GENERATION gen-num STARTED

Explanation: A utility operation was executed that caused a new generation to be started. The number of this new generation, which becomes the current generation, is 'gen-num'. This message is issued by the collection component of the Adabas Recovery Aid when a new generation is started.

ADAR15 ADARAI REQUEST request RETURNED RC=rc REASON=reason

Explanation: The ADARAI data collection component was called for request 'request'; however, this request terminated with a return code and reason code as shown by 'rc' and 'reason' respectively. If 'rc' is less than 8, the request completed successfully but messages may have been issued. If 'rc' is 8 or greater, the request failed.

User Action: In many cases, this error is issued due to a situation highlighted by a previous Adabas or system message. However, if there is no obvious reason why this message has been issued, report the message to your technical support representative.

**ADAR16 INSUFFICIENT STORAGE FOR ADARAI PROCESSING
REQUESTED reqsize BYTES
OBTAINED stgsize BYTES**

Explanation: The Adabas Recovery Aid utility component attempted to obtain 'reqsize' bytes of storage for its processing but only succeeded in obtaining 'stgsize' bytes of storage. ADARAI processing fails.

User Action: Increase the amount of storage available to ADARAI by **at least** 'reqsize'-'stgsize' bytes.

**ADAR17 RLOG OPEN ERROR
DD/RLOGR1 NOT FOUND**

Explanation: The Adabas Recovery Aid collection or utility component attempted to open the RLOG dataset DDRLOGR1 but the file was not available to the job.

User Action: Provide the DDRLOGR1 file to the job and rerun the job.

**ADAR18 RLOG OPEN ERROR
error**

Explanation: The Adabas Recovery Aid collection or utility component attempted to open the RLOG dataset s; however, an open error occurred as identified by the 'error' value. This indicates that the DDRLOGR1 file has been found but some other error occurred.

User Action: Correct the error indicated by the 'error' value and rerun the job.

**ADAR19 SERIOUS ADARAI ERROR
FAILURE COULD NOT BE SET IN THE RLOG DATASET**

- Explanation:* When the Adabas Recovery Aid collection component encounters any sort of problem, it attempts to set the status of the current generation to indicate that problems occurred while recording the generation. In the case where this message is issued, it was not possible to set the failure in the RLOG dataset. This is particularly serious because the current generation will appear to be in a normal status but data will be missing. An attempt to use this generation to recover the database will probably lead to data being lost or invalid.
- System Action:* The Adabas Recovery Aid data collection interface terminates abnormally with ABEND code 33, which means that the utility or nucleus run will also be terminated abnormally.
- User Action:* A new generation should be started immediately for the database in question and a note kept that the generation for which this error occurred is invalid. You should then proceed to determine what the problem was based on other error messages issued prior to this error message. If necessary, contact your technical support representative for assistance.

ADAR20 THE CURRENT GENERATION IS status

- Explanation:* This message is issued by the Adabas Recovery Aid collection component when the current generation has any status other than the 'normal' status. It is issued when the ADARAI data collection interface is called to insure that the user is aware that the current generation is in a state that may not be automatically recovered.
- User Action:* This is an information message and may be ignored if the status of the RLOG is acceptable to the installation. If not, a new generation should be started as soon as possible and the cause of the abnormal status for the generation investigated.

ADAR21 PLOG INFORMATION NOT FOUND FOR ALL OR SOME OF THE FOLLOWING BLOCKS:

PLOG NUMBER plog
LOW PLOG BLOCK NUMBER lowblk [NUCID nucid]
HIGH PLOG BLOCK NUMBER highblk [NUCID nucid]

Explanation:

When the Adabas Recovery Aid utility ADARAI is building a given generation, it checks to make sure that all PLOGs required by the generation are available to it. This is based on the normal sequence of PLOG entries from the start of the generation to the end of the generation. When ADARAI expects a given range of PLOG blocks to be available but cannot find the relevant PLOG in its data, this message is issued. The data values provided are as follows:

plog The number of the PLOG in which the missing blocks are found.

lowblk The lowest identifiable PLOG block that cannot be found. When it is nonzero, a cluster nucleus ID follows.

highblk The highest PLOG block that cannot be found. When it is nonzero, a cluster nucleus ID follows.

nucid When it is nonzero, a cluster nucleus ID is appended after a high or low PLOG block number.

User Action:

This can happen if the current generation is the subject of the operation and the nucleus was not down at the time, or the last PLOG copy job had not completed. If this is not the case, it indicates that one or more PLCOPY jobs failed to record their information on the RLOG. To determine when and why this happened, refer back to the PLOG job that copied the blocks in question to determine why the data was not written to the RLOG dataset.

ADAR31 GENERATION RESTRICTED DUE TO reason

Explanation: After certain events on a database, ADARAI cannot generate a recovery job which will recover the database or files on the database without changes. When this occurs, the Adabas Recovery Aid collection component sets the generation into which the data is logged to the “restricted” status. This message is issued when this occurs and ‘reason’ identifies why the generation was set to “restricted”.

User Action: This message is for information only, however, it is recommended that once this message has been issued, a new generation is started as soon as possible to insure that a generation is available with a “normal” status.

ADAR76 RLOG: count-a BLOCKS OUT OF count-b USED (nn%)

Explanation: The minimum number of generations in the RLOG dataset are using more than 50% of the RABNs available on the dataset. This fact is determined when the Adabas Recovery Aid collection component writes information to the RLOG dataset. Successful completion of the current nucleus or utility session is not affected by the situation. The meanings of the variable values are as follows:

count-a total blocks available for logging on the RLOG

count-b number of blocks currently being used on the RLOG

nn percentage of RLOG blocks now used

User Action: None required. This message is for your information only.

ADAR77 RECOVERY LOG FILE OVERFLOW

Explanation: The Adabas Recovery Aid data collection component attempted to write information for the current generation; however, the current generation does not fit on the RLOG and none of the other generations on the RLOG could be deleted. RLOG logging stops. Information for the current session could not be completely logged, and no further information will be logged. This does not affect successful completion of the current nucleus or utility session.

User Action: Run the ADARAI LIST utility function to archive the existing RLOG information and/or back up the RLOG dataset. Increase the size of the RLOG. Finally, run ADARAI PREPARE followed by an ADASAV SAVE (database) to reestablish the RLOG logging operation.

ADAR78 UNKNOWN FILE ELEMENT CREATED

Explanation: The Adabas Recovery Aid data collection component was unable to provide the ADARAI utility with information about the sequential file used during utility execution. An “unknown file element” was written to the RLOG instead of a “file element”. This does not affect successful completion of the current nucleus or utility session.

User Action: Information about this sequential file can be recorded manually for later use in the ADARAI RECOVER function. If an ADARAI RECOVER function is executed using this generation/file, the job control statements needed for this file cannot be created. Instead, the “unknown file element” will be displayed and the ADARAI RECOVER function will complete with a return code of 04. The generated job control must then be edited to add the manually recorded file information.

ADASnn (Adabas SVC) System Messages

ADAS00 SIRMVS (yyyy-mm-dd, SM=level, ZAP=zap-number)

Explanation: ADASIR has executed.

| | |
|------------|--------------------------------|
| yyyy-mm-dd | the ADASIR assembly date |
| level | the maintenance (SM) level |
| zap-number | the highest zap number applied |

ADAS01 ADAB ENTER NUMBER OF ADABAS Vv ID TABLE ENTRIES (1–nn)

Explanation: ADASIR found an invalid ID table entry.

Action: Enter the decimal ID table value. ADASIR operation continues.

ADAS03 ADAB ADABAS Vv ID TABLE FOR SVC svc INITIALIZED

Explanation: ADASIR has installed the Adabas SVC and acquired the necessary storage successfully.

ADAS04 ADAB ADABAS Vv ID TABLE INITIALIZATION ERROR

Explanation: ADASIR detected one of the following possible errors:

- IDT GETMAIN failure
- a nonzero return code from ADASVC on the 56 call
- ADASIR did not set the SSCTSUSE
- the operator terminated ADASIR
- ADASIR detected a non-VS1 environment

Action: ADASIR terminates, freeing any resources acquired.

ADAS05 ADAB ADABAS Vv ID TABLE PARAMETER(S) ERROR

Explanation: ADASIR found an invalid input parameter. The message may be followed by messages requesting reentry of the input parameters.

Action: Enter the correct parameter or parameters and rerun ADASIR or enter “no” to end ADASIR operation.

ADAS06 ADAB ENTER ADABAS Vv ID TABLE SUBPOOL (228 OR 241) OR “NO” TO ABORT ID TABLE INITIALIZATION

Explanation: This message occurs after error ADAS05 and requests that you verify the Adabas Vv ID table subpool where ‘v’ is the version of Adabas.

Action: Enter either “228” (subpool 228 / fixed CSA), “241” (subpool 241 / pageable CSA) or enter “no” to end ADASIR operation.

ADAS07 ADAB ENTER NUMBER OF ADABAS Vv ID TABLE ENTRIES OR “NO” TO ABORT ID TABLE INITIALIZATION

Explanation: This message occurs after error ADAS05 and requests that you verify the number of IDT entries.

Action: Enter a value ranging one to four digits representing the IDT entry count or enter “no” to end ADASIR operation.

ADAS08 ADAB ENTER ADABAS Vv SVC NUMBER (200–255) OR “NO” TO ABORT ID TABLE INITIALIZATION

Explanation: This message occurs after error ADAS05 and requests that you verify the SVC number for the version of Adabas specified.

Action: Enter a three-digit SVC value ranging 200–255 or enter “no” to end ADASIR operation.

**ADAS09 ADAB ADABAS Vv SVC svc TABLE ENTRY AT svc-addr INVALID
IS bad-entry bad-entry SHOULD BE good-entry good-entry**

Explanation: This and any associated ADASnn messages occur when ADASIR finds an incorrect SVC table entry or when message ADAS14 was answered with “p” (prompt option). The variable values in the message have the following meanings:

| | |
|------------|--|
| v | version of Adabas |
| svc | SVC number |
| svc-addr | address of the SVC table entry |
| bad-entry | current SVC table entry value in error |
| good-entry | desired SVC table entry value |

Action: ADASIR follows this message with message ADAS10 asking if the SVC entry in error should be changed to the desired value.

**ADAS10 ADAB SHOULD SVC TABLE ENTRY BE CHANGED (‘Y’) OR SHOULD
ADABAS ID TABLE INITIALIZATION BE ABORTED (‘N’)**

Explanation: This message occurs after message ADAS09 and requests that you confirm a change of the SVC table entry in error to a “desired” value proposed by ADASIR.

Action: Enter “Y” (yes) to update the SVC entry. Entering any other value leaves the SVC entry as it was.

**ADAS11 ADAB ADABAS Vv ID TABLE FOR SVC svc INITIALIZED WITH
cccc ENTRIES**

Explanation: SVC with the number “svc” has been installed and the ID table storage for a count of “cccc” entries was successfully allocated.

ADAS12 ADAB ADABAS Vv ID TABLE INITIALIZATION ERROR n

Explanation: ADASIR detected error “n”, where “n” is one of the following:

- 1 The GETMAIN for the ID table was unsuccessful.
- 2 The Adabas SVC request to initialize the ID table returned a nonzero return code. Probable cause is that the subsystem name in the IEFSSNxx member of SYS1.PARMLIB does not match the contents of ADASVC + x'28'.
- 3 The Adabas SVC request to initialize the ID table did not set the correct value in the SSCT. Probable cause is an incorrect SVC number.
- 4 The operator terminated initialization.
- 5 The operating system is not OS/390 or z/OS.
- 6 The RMODE of the Adabas SVC is not 24.
- 7 The SVC table entry is unused.
- 8 Either the RMODE or AMODE is not 24.
- 9 The system could not find the requested SVC. Check for system message IEA826I.

The table entry for the Adabas SVC does not contain the address of the SVC for the specified version of Adabas. An attempt was made to install a previous version SVC using the ADASIR of the specified version.

- 10 SVCUPDTE macro failure.

Action: Correct the error condition and re-IPL (if necessary) or rerun ADASIP.

ADAS13 ADAB LEAVE MESSAGE ADAS11 OR ADAS12 (N OR Y)

Explanation: ADASIR keeps the display of the previous ADAS11 or ADAS12 message on the screen if you specify “Y”; otherwise, the message display is removed and lost.

Action: Enter “Y” to keep the message display; otherwise, the message is removed.

**ADAS14 ADAB PROMPT OPERATOR TO UPDATE SVC TABLE ENTRY
N OR P**

Explanation: This message asks whether the operator should be prompted to update the SVC table entry (P) or not (N).

Action: Enter "P" to prompt the operator for the SVC table entry; messages ADAS09 and ADAS10 occur when "P" is entered. Enter "N" (no prompt) to let ADASIR select the SVC value; message ADAS15 occurs when "N" is entered.

**ADAS15 ADAB SVC svc TABLE ENTRY CHANGED WITHOUT PROMPTING
OPERATOR**

Explanation: SVC "svc" was changed without a prompt being sent to the operator.

ADAS20 AT address, length BYTES action area-description

Explanation: When ADASIP refreshes an existing Adabas SVC, the common storage area (CSA) associated with the old SVC load module and its associated IDT-related structures is released. If a PLXCB is found, its components are released as well. This message appears for each attempt to release storage:

address CSA area address, in hexadecimal

length CSA area length, in hexadecimal

action One of the following:

**CSA RELEASED
RELEASE FAILED**

area-description One of the following:

**REPLACED SVC
IDTH / IDT / IIBS
CLUSTER SEGMENT
PLXCB BASE
PLXCUSER SEGMENT
SMP SEGMENT
IDTEES
IDTHE**

ADASIPnn (Adabas VSE/ESA SVC) System Messages

**ADASIP00 ADABAS Vv VSE SIP STARTED
SIP IS RUNNING UNDER VSE/ sys-type-mode**
ADASIP00 (yyyy-mm-dd. SM=sm-level, ZAP=zap-level)
ADASIP00 SIP IS RUNNING UNDER OSYS LEVEL Vnnn
ADASIP00 SIP IS LOADING ADABAS SVC LEVEL Vnnn
ADASIP00 ADASIP IS LOADING ADABAS SVC AMODE=a-mode

Explanation: The ADASIP program has started. “sys-type” is the operating system type, and “mode” is the ECPS (EMODE), VM, or 370 operating mode.

| | |
|------------|---|
| v | version of Adabas |
| sys-type | VSE operating system type |
| mode | ECPS (EMODE), VM, or S/370 operating mode |
| yyyy-mm-dd | date of module assembly |
| sm-level | system maintenance (SM) level of the module |
| zap-level | ZAP level of the module |
| Vnnn | version/release/modification level resulting from an IBM SUBSYD macro |
| a-mode | the AMODE setting of the Adabas SVC |

ADASIP01 SUBSID MACRO ERROR

Explanation: ADASIP received a nonzero return code from the operating system.

User Action: The VSE operating system release level is too low for installing Adabas. Refer to the *Adabas Installation Manual* for the minimum allowed VSE levels.

ADASIP02 UNSUPPORTED VSE RELEASE BASED UPON SUBSID

Explanation: An ADASIP validation check indicates an unsupported operating system level.

User Action: The VSE operating system release level is too low for installing Adabas. Refer to the *Adabas Installation Manual* for the minimum allowed VSE levels.

ADASIP03 NO SYSPARM VALUE SPECIFIED FOR SVC

Explanation: ADASIP could not find a SYSPARM input, and a ZAP has not be applied to the specified SVC.

User Action: Either provide the SVC with SYSPARM or apply a ZAP to the specified SVC with ADASIP.

ADASIP04 DEFAULT VALUE USED FOR THE SVC

Explanation: No SYSPARM SVC has been used. ADASIP defaults to using the SVC that has a ZAP applied.

ADASIP05 NON-NUMERIC DATA FOUND IN SYSPARM FIELD

Explanation: Either SYSPARM or the default ADASIP SVC contains a nonnumeric value.

User Action: Correct the specified SYSPARM value, or set the default SVC value to 30.

ADASIP06 INVALID RANGE SPECIFIED FOR THE SVC 31–120

Explanation: ADASIP found an SVC outside the allowed range in SYSPARM or the ADASIP default SVC.

User Action: Set the SVC to an unused SVC value within the allowed range. SVC ranges and recommended values are described in the *Adabas Installation Manual*.

ADASIP07 SVC SPECIFIED NOT WITH VALID RANGE – NO UPSI

Explanation: The value specified for the SVC in the VSE SYSPARM with the UPSI option was incorrect.

User Action: Correct the UPSI or SVC value, as appropriate. SVC ranges and recommended values are described in the *Adabas Installation Manual*.

ADASIP08 ADASVCvv WAS NOT FOUND IN THE SVA

Explanation: While performing a VSE load, ADASIP found that the specified level ADASVC was not in the SVA.

User Action: Issue the SET SDL for ADASVCvv. It may be necessary to relink the Adabas SVC with SVA using the PHASE statement if the Adabas SVC is not found in the Adabas library.

ADASIP09 NO MATCH ON ID – INCORRECT ADASVC LOADED

Explanation: ADASIP found an incorrect SVC version while attempting a load operation.

User Action: Relink ADASVCvv with the correct SVC module.

ADASIP10 NO KEYWORD SPECIFIED FOR NRIDTES

Explanation: ADASIP found an incorrect NRIDTES keyword.

User Action: Respecify the keyword parameter as NRIDTES=nn, where “nn” specifies the number of databases to be supported in the ID table.

ADASIP11 NON-NUMERIC DATA SPECIFIED FOR NRIDTES

Explanation: The ADASIP NRIDTES= keyword parameter specified non-numeric data.

User Action: Correct the NRIDTES= data, then resubmit ADASIP.

ADASIP12 NO OVERRIDING NRIDTES SPECIFIED

Explanation: The default NRIDTES was used. No error has occurred.

ADASIP13 SVC TABLE ENTRY WAS FOUND TO BE INVALID

Explanation: The SVC number provided by SYSPARM is either not valid, or does not represent either the old or new version of the VSE Adabas SVC. This error can occur if the UPSI statement's "C" parameter specified "0".

User Action: Respecify the UPSI statement, or specify another unused SVC value. Rerun ADASIP.

ADASIP14 GETVIS FAILURE FOR IDT IN SVA

Explanation: The GETVIS of the IDT passed a nonzero return code back to ADASIP, meaning the GETVIS size was insufficient.

User Action: Increase the SVA GETVIS size, re-IPL the operating system, and rerun ADASIP.

ADASIP15 ROUTER UNABLE TO INITIALIZE IDT

Explanation: ADASIP received a nonzero return code from the 56 call to the SVC.

User Action: Contact your Software AG technical support representative.

ADASIP17 INCORRECT SVC SUFFIX AFTER COMMA IN SYSPARM

Explanation: An attempt was made to run this program more than once for the current IPL. A second IDT for the program is not required.

User Action: Correct the SYSPARM specification for the two-byte SVC suffix, and rerun the job.

ADASIP18 NON-NUMERIC DATA SPECIFIED FOR DMPDBID

Explanation: The ADASIP DMPDBID keyword parameter contains nonnumeric data.

User Action: Correct the DMPDBID specification, and rerun the job.

ADASIP19 DBID CANNOT BE FOUND IN IDTE

Explanation: The ADASIP program could not find an entry for the DMPDBID database in the IDT area.

User Action: Either correct the DMPDBID specification or start the specified database, then run ADASIP to perform a “snap” dump of the command queue.

ADASIP20 THE IDT AND SVC HAVE BEEN DUMPED TO SYSLST

Explanation: A request to ADASIP to dump the IDT and then SVC via UPSI 80. No error has occurred.

ADASIP21 NO IDT TABLE WAS FOUND FOR SPECIFIED SVC

Explanation: ADASIP found that the SVC has no address for the IDT.

User Action: Specify the correct SVC, or initialize with ADASIP first.

ADASIP22 THE SVC HAS ALREADY BEEN INSTALLED

Explanation: ADASIP found that the same program is being run again.

User Action: The SVC is not installed and no IDT table is needed. To reinstall the same SVC, you must first perform a SET SDL.

ADASIP23 THE SVC TABLE CANNOT BE LISTED UNDER DOS/MVT

Explanation: The option to display the SVC table is specified under VSE.

ADASIP24 THE IDT HAS BEEN PAGEFIXED BY USER OPTION

Explanation: UPSI (X'20') was selected to pagefix the IDT in the system GETVIS area.

ADASIP27 ADASVC IS RMODE=ANY

Explanation: ADASIP detected that the Adabas SVC is linked RMODE=ANY.

User Action: Relink the Adabas SVC RMODE=24.

ADASIP28 ADASIP IS AMODE=31

Explanation: ADASIP detected that it is AMODE=31.

User Action: Relink ADASIP AMODE=24.

ADASIP29 PRODID MACRO FAILURE

Explanation: ADASIP received a nonzero response code from the PRODID DEFINE macro.

User Action: Investigate the cause of the error. Correct it and rerun the job.

ADASIP30 ADASVCvv svc INSTALLED

Explanation: ADASIP has installed SVC number “svc” successfully.

ADASIP31 address=SVC ADDRESS

Explanation: The SVC has been loaded at the indicated address.

ADASIP32 address=IDT ADDRESS

Explanation: The ID table has been allocated at the indicated address.

ADASIP33 address=ALET TABLE ADDRESS

Explanation: The ALET table has been loaded at the indicated address.

ADASIP34 count=MAXIMUM USER/TARGET COMBINATIONS

Explanation: Total number of client/server combinations within the VSE system.

ADASIP36 address=EXTENDED IIBS ADDRESS

Explanation: The extended IIBs have been loaded at the indicated address.

**ADASIP40 VSE SVC svc IS status AM=a-mode RM=r-mode
AR=reg-mode SVCT=svc-tab-addr MODT=svc-mod-addr**

Explanation: This message occurs when the option to list the SVC table is selected, and specifies the following values:

| | |
|--------------|---|
| svc | the VSE SVC number |
| status | “USED” or “UNUSED” |
| a-mode | AMODE of this SVC, if used (24 or ANY) |
| r-mode | RMODE of this SVC, if used (24 or ANY) |
| reg-mode | access register mode of this SVC, if used (Y=yes, N=no) |
| svc-tab-addr | address of the SVC table entry for this SVC |
| svc-mod-addr | address of the SVC mode table entry for this SVC, if present |

User Action: None required. This message is for your information only. **Do not** use SVC50, even though it is indicated as “unused”.

ADASIP41 VSE SVC TABLE AUDIT COMPLETED

Explanation: ADASIP has completed listing the VSE SVC table.

ADASIP50 THE COMMAND QUEUE HAS BEEN DUMPED TO SYSLST

Explanation: ADASIP has completed listing the command queue for the specified database.

ADASIP60 ONLY 1 CPU CAN BE ACTIVE DURING ADASIP

Action: Use “SYSDEF TD,STOP=ALL” to stop all but one CPU so that ADASIP can run. Then restart your CPUs again.

ADASIP61 RERUN ADASIP AFTER USING TDSERV TO STOP CPUS

Explanation: Occurs in conjunction with ADASIP60.

ADASIP62 GETVIS FAILED FOR ADASTUB MODULE

Explanation: Not enough SVA storage to load ADASTUB.

Action: Consult with your system programmer.

ADASIP63 ADASTUB MODULE LOADED AT address

Explanation: Information message indicating module load address.

ADASIP64 NO MATCH ON ID – INCORRECT ADASTUB LOADED

Explanation: ADASTUB phase is incorrect.

Action: Consult with your system programmer, or contact Software AG.

ADASIP65 ADASTUB SVC TABLE NOT FOUND

Explanation: ADASTUB phase is incorrect.

Action: Consult with your system programmer, or contact Software AG.

ADASIP66 ADASTUB SVC TABLE IS FULL

Explanation: You have more than 10 SVCs active on this VSE machine.

Action: Contact Software AG for information about increasing the table size.

ADASIP74 INFO : STUB ACTIVATED BY PREVIOUS ADASIP

Explanation: Adabas Turbo STUB has been installed by a previous ADASIP.

ADASIP75 ADANCHOR AND ADASTUB NOT DUMPED – NOT ACTIVE

Explanation: When attempting to dump Adabas control blocks with ADASIP, the modules were not dumped because Adabas Turbo support is not active.

ADASIP76 ADABAS TURBO STUB NOT ACTIVATED DUE TO ERROR

Explanation: An error occurred during the installation of the Adabas Turbo stub.

ADASIP77 THIS ADABAS SVC WILL RUN IN NON-TURBO MODE

Explanation: An error occurred during the installation of the Adabas Turbo stub. This SVC will run in non-Turbo mode from now on.

ADASIP78 VSE TURBO DISPATCHER VERSION nn

Explanation: Version of VSE/ESA version 2 Turbo Dispatcher. 00 indicates TD level of pre-version 4.

ADAUnn Utility Status Messages

These general status messages describe current utility operating status. Often, they are the response to a DSTAT operator command.

Note:

Each of the messages in this section starts with the relevant database ID.

ADAU01 version job-name name RC ret-code

Explanation: VSE systems only: ADAUSER cannot perform CDLOAD or LOAD ADARUN. ADAUSER provides the following information:

| | |
|----------|--|
| version | the Adabas version |
| job-name | the VSE job name |
| name | LOAD for SVC4, or CDLO for SVC65 |
| ret-code | LOAD return code from the CDLOAD or LOAD supervisor call (SVC) |

User Action: ADAUSER provides a dump using JDUMP, and then terminates with the information that is required to resolve the load problem.

ADAU02 version job-name pgm INCORRECT RMODE

Explanation: ADAUSER detected an RMODE error. ADAUSER provides the following information:

| | |
|----------|--|
| version | the Adabas version |
| job-name | the name of the VSE job |
| pgm | the name of the program with the incorrect RMODE |

User Action: Relink the program with RMODE=24.

ADAU08 OPERATOR TYPE-IN : command

Explanation: This message confirms entry of the operator command “command”.

ADAU09 INVALID REQUEST -- ONLY DSTAT ALLOWED

Explanation: This message is a reply to a utilities operator command other than DSTAT, which is the only valid operator command at this time.

User Action: Enter the operator command DSTAT.

ADAU10 count BLOCKS OF total SAVED

Explanation: This message is the response to the ADASAV operator command DSTAT. “count” is the number of blocks already processed, and “total” is the total number of blocks to be saved.

ADAU11 count BLOCKS OUT OF total RESTORED

Explanation: This message is the response to the ADASAV operator command DSTAT. “count” is the number of blocks already restored, and “total” is the total number of blocks to be restored.

ADAU12 RESTORING PROTECTION LOG TAPE

Explanation: This message, a response to the ADASAV utility’s operator command DSTAT, indicates that the second pass of the RESTONL function has begun. The file or database has been restored, and ADASAV is now processing the protection log.

ADAU13 VOLSER FOR dd-name = volser

Explanation: This message is displayed by ADASAV when reading from or writing to a new tape.

ADAU14 ADASAV – RUN WITH SAVE TAPE session-id

Explanation: This message shows the session number assigned to the save tape created by the save operation.

ADAU15 FILE file { ADDED TO | REMOVED FROM } FILELIST (reason)

Explanation: The specified file was added or removed from the file list for the specified reason.

- Reasons for adding files: coupled or expanded file
- Reasons for removing files:
 - file not loaded
 - inconsistent expanded or coupled file
 - file in inconsistent state
 - not flagged “modified”

If the file is added to the file list, it is saved; if the file is removed from the file list, it is not saved at all.

User Action: None required. This is an informational message only. To restore a file that was removed from the file list, the appropriate previous SAVE dataset must be used.

**ADAU16 NO FILE HAS BEEN MODIFIED SINCE LAST SAVE;
NO OUTPUT DATASET WAS CREATED**

Explanation: The output dataset is not created because there is no change.

User Action: The previous SAVE tapes should be used to restore the file. To restore a removed file, the appropriate save dataset must be used.

ADAU17 MERGING DELTA SAVE TAPES

Explanation: This message is the response to the ADASAV operator command DSTAT. ADASAV is currently creating a delta save dataset by merging.

ADAU18 count BLOCKS OUT OF total MERGED

Explanation: This message is a response to the ADASAV operator command DSTAT. ADASAV is currently creating a full save dataset by merging. “count” blocks have already been written. “total” blocks are to be written.

ADAU19 DURING RESTORE DELTA PHASE

Explanation: This message is a response to the ADASAV operator command DSTAT. ADASAV is currently in the second phase of a delta restore operation. The full save dataset has already been restored.

ADAU20 ADADBS OPERCOM command

Explanation: The ADADBS OPERCOM utility issued the specified operator command.

User Action: None required. This informational message informs you of any changes in file access, etc., that may result from ADADBS OPERCOM operation.

ADAU21 SORTING/LOADING DESCRIPTOR descriptor

Explanation: This message is a response to ADALOD operator command DSTAT, and indicates that ADALOD is sorting and loading the inverted list for the specified descriptor.

ADAU22 LOADING DATA STORAGE. RECNO=count

Explanation: This message is a response to the ADALOD operator command DSTAT, and advises that ADALOD is now loading records into data storage. Thus far, the specified number of records have been loaded.

ADAU23 SORTING ADAM RECORDS. RECNO=count

Explanation: This message is a response to the ADALOD operator command DSTAT, and advises that ADALOD is now presorting data storage (DS) records by their ADAM keys. Thus far, the specified number of records have been sorted.

ADAU24 COMPUTING INDEX SPACE FOR descriptor

Explanation: This message is a response to the ADALOD operator command DSTAT, and indicates that ADALOD is now computing index space requirements for the specified descriptor.

ADAU25 UNLOADING DATASTORAGE, FILE=file-number, RECNO=record-count

Explanation: This message is a response to the ADAORD operator command DSTAT, and indicates that ADAORD is now unloading the Data Storage for the specified file to DD/FILEA. Thus far, the number of records specified by “record-count” have been unloaded.

ADAU26 UNLOADING INDEX, FILE=file-number

Explanation: This message is a response to the ADAORD operator command DSTAT, and indicates that ADAORD is now unloading the inverted list for the specified file to DD/FILEA for the file “file-number”.

ADAU27 UNLOADING DSST, FILE = file-number

Explanation: This message is a response to the ADAORD operator command DSTAT, and indicates that ADAORD is now unloading the Data Storage space table (DSST) for the specified file to DD/FILEA.

ADAU28 UNLOADING AC, FILE=file-number

Explanation: This message is a response to the ADAORD operator command DSTAT, and indicates that ADAORD is now unloading the address converter (AC) for the specified file to DD/FILEA.

**ADAU29 LOADING DATASTORAGE, FILE=file-number,
RECNO=record-count**

Explanation: This message is a response to the ADAORD operator command DSTAT, and indicates that ADAORD is now loading the Data Storage for the specified file from DD/FILEA. Thus far, the number of records specified by “record-count” have been loaded.

ADAU30 LOADING INDEX, FILE=file-number

Explanation: This message is a response to the ADAORD operator command DSTAT, and indicates that ADAORD is now loading the inverted list for the specified file from DD/FILEA.

ADAU31 LOADING DSST, FILE = file-number

Explanation: This message is a response to the ADAORD operator command DSTAT, and indicates that ADAORD is now loading the Data Storage space table (DSST) for the specified file from DD/FILEA.

ADAU32 LOADING AC, FILE=file-number

Explanation: This message is a response to the ADAORD operator command DSTAT, and indicates that ADAORD is now loading the address converter (AC) from DD/FILEA.

ADAU33 CLIENT OPTION IN EFFECT FOR FILE file-number

Explanation: The ADAULD utility displays this message to indicate that the file being loaded has the CLIENT option in effect.

ADAU35 USERISN-OPTION IN EFFECT FOR FILE file-number

Explanation: The ADAULD utility displays this message to indicate that the file being loaded has the USERISN option in effect.

ADAU36 MISSING SECOND OUTPUT DATASET

Explanation: User exit 9 returned an indication to write a record to DDOUT2, which is not defined. All records are written to DDOUT1.

User Action: If the records are to be unloaded onto two output datasets under control of user exit 9, specify DDOUT2 and rerun the job.

ADAU37 BLOCKS block-a–block-n COULD NOT BE FORMATTED

Explanation: The number of blocks to be formatted must be at least the number of blocks per track.

If the number of blocks to be formatted is more than the number of blocks per track, then “block–n” must be the last block of the track.

Block “block–n” is not the last block of a track, or the ADAFRM SIZE parameter is less than the number of blocks per track. The partial track was not formatted.

User Action: To format the remaining blocks, specify a block range that spans a complete track.

ADAU38 FILE NOT LINKED INTO FILE CHAIN

Explanation: The file has been loaded, but for some reason could not be linked into the expanded file chain. The cause could be one of the following:

- another file in the chain is locked
- the chain was modified during the load operation

User Action: Link the file into the expanded file chain using Adabas Online System (AOS).

ADAU39 NO CHECKPOINT WRITTEN

Explanation: The nucleus is in read-only state. A checkpoint cannot be written.

ADAU40 POINT OF NO RETURN REACHED

Explanation: The ADAORD utility has begun its second pass. Any ABEND after this point requires that the file or database be restored before being used.

ADAU41 ADAORD INVOKED FROM JOB job-name

Explanation: ADAORD was started by the specified job. This message follows message ADAU40.

ADAU42 ADAVAL FILE=file-number, DESCRIPTOR=descriptor

Explanation: This message occurs in response to the ADAVAL DSTAT operator command, and indicates that ADAVAL is now validating descriptor “descriptor” in file “file-number”.

ADAU43 MORE RECORDS ON ADALOD INPUT THAN REQUESTED BY NUMREC

Explanation: The ADALOD NUMREC parameter restricts the number of records to be loaded. In this case, the input dataset contains more records than requested.

User Action: No action is required. Processing continues normally, but returns a response code of 4 to the operating system.

ADAU44 MORE RECORDS ON ADALOD INPUT THAN ISNS AVAILABLE

Explanation: All ISNs available in the address converter (AC) are already assigned to records in the input file, and new ISNs cannot be allocated because NOACEXTENSION is active.

User Action: Processing continues normally, but returns a response code of 4 to the operating system. If the file is part of an expanded file, you can load the remaining records into another part of the expanded file.

ADAU45 ABEND DURING CHAIN PROCESSING

Explanation: **Warning: An abnormal termination (ABEND) occurred while ADALOD was updating the expanded file's chain information. The information could be inconsistent, and any further processing of the file will create incorrect results.**

User Action: Perform ADAREP to create an expanded file report, and check the expanded file linkage. **Any errors must be corrected before processing can continue.**

ADAU46 ABEND DURING FILE PROCESSING

Explanation: An error occurred while ADALOD was processing the file. The file is now in load status, but cannot be accessed.

User Action: Correct the cause of the error, and then either

- restart the ADALOD job;
- delete the file and rerun the ADALOD job; or
- restore the SAVE file copy and rerun the ADALOD job.

ADAU47 ABEND DURING FINISHING PROCESSING

Explanation: The file processing has completed, but a problem occurred while writing either

- recovery log information; or
- the checkpoint.

User Action: If necessary, ensure that you can redo the ADALOD job when a RESTORE/REGENERATE is done.

ADAU48 LOADING RECORDS WITH USERISN-OPTION SUPPRESSED

Explanation: The USERISN option was in effect when the file was created by ADACMP or ADAULD. The USERISN option has been suppressed by specifying USERISN=NO. All ISNs are assigned by ADALOD.

ADAU49 LOADING RECORDS WITH USERISN-OPTION IN EFFECT

Explanation: The file is loaded with the USERISN option in effect. All ISNs are taken from the input file.

**ADAU50 function INPUT VOLUME = volume, PLOGNUM = session-number
FROMBLK = block-number-a, FROMTIME = date /time
TOBLK = block-number-b, TOTIME = date /time**

Explanation: This message is a response to the ADARES operator command, DSTAT:

| | |
|----------------|--|
| function | is either REGENERATE or BACKOUT |
| volume | is the current input volume |
| session-number | is the protection log number now being processed |
| block-number-a | defines the range of blocks (from a to b) over which |
| block-number-b | the input volume has been processed |
| FROMTIME | are the dates and times derived from the timestamps |
| TOTIME | of the corresponding blocks |

ADAU51 REPAIR count BLOCKS / record-count RECORDS PROCESSED

Explanation: This message is a response to the ADARES operator command, DSTAT. When the message is displayed, the REPAIR function has processed “count” blocks and “record-count” records from the protection log input dataset.

**ADAU52 REGENERATE: RESTORING BLOCKS BETWEEN SYN1/SYN2
(SYN4/SYN5) CHECKPOINTS**

Explanation: This message is a response to the ADARES operator command, DSTAT. The REGENERATE function is now restoring ASSO and DATA blocks from the protection log dataset that are enclosed by SYN1 and SYN2 checkpoints.

**ADAU53 function COPY count BLOCKS COPIED FROM log-dataset TO
DDSIAUS1/2 CURRENT BLOCK = block-number, TIME = date / time**

Explanation: This message is a response to the ADARES operator command, DSTAT.
“function” is either PLCOPY or CLCOPY. “count” blocks have been
copied from DDPLOGR1/2 or DDCLOGR1/2 to the output dataset.

ADAU54 COPY count BLOCKS COPIED FROM DDSIIN TO DDSIAUS1/2

Explanation: This message is a response to the DSTAT operator command during
ADARES operation. “count” is the number of blocks copied by the COPY
function.

ADAU55 LOADING RECORDS WITH CLIENT OPTION IN EFFECT

Explanation: The file to be loaded will be defined as a multicient file.

ADAU56 LOADING RECORDS WITH CLIENT OPTION SUPPRESSED

Explanation: The file to be loaded is a multicient file but will be defined as normal; that
is, as a non-multicient file.

ADAU60 utility PASSWORD EXISTS AND HAS BEEN OVERWRITTEN

Explanation: The specified password for the ADASCR INSERT function already exists.
The related information (file numbers, access and update levels) has been
overwritten.

ADAU61 PARAMETER TEST SUCCESSFUL

Explanation: The utility parameter test, as requested by specifying the TEST parameter,
was completed successfully.

**ADAU62 UNABLE TO WRITE CHECKPOINTS –
THE NUCLEUS IS NOT ACTIVE OR CANNOT BE REACHED, AND
THE ASSOCIATOR JCL HAS NOT BEEN SPECIFIED**

Explanation: No checkpoint could be written for a MERGE function because either the Adabas nucleus was not available or the Associator job control was not specified.

Action: None. The MERGE function continues.

User Action: If a checkpoint is required, start the nucleus or provide the Associator job control for the MERGE function.

**ADAU63 STARTING POINT FOR ADARES REGENERATE: FROMPLOG >=
log-number (NEXT NUCLEUS SESSION)**

Explanation: This message is displayed on the ADASAV job protocol at the end of an ADASAV RESTORE execution. It indicates the protection log that should be used as input to a subsequent ADARES REGENERATE job.

“log-number” is the protection log number. If that session happens to be a database save operation, the session number of the next nucleus session following the save operation must be used.

User Action: If the ADASAV RESTORE execution is to be followed by an ADARES REGENERATE operation, use the protection log with the indicated nucleus session number as input for the REGENERATE function.

**ADAU64 STARTING POINT FOR ADARES REGENERATE:
FROMPLOG >= log-n, FROMCP= chk-pnt, FROMBLK= blk-num
[,NUCID=nucid]**

Explanation: This message is displayed on the ADASAV job protocol at the end of an ADASAV RESTORE execution. It points out the protection log (log-n) that should be input to a possible subsequent ADARES REGENERATE job, and to the checkpoint (chk-pnt) where the REGENERATE function should begin. “blk-num” is the (pre-merge) protection log block number of the checkpoint. “nucid” identifies the particular cluster nucleus where the checkpoint originally (that is, before a PLOG merge) resided.

User Action: If the ADASAV RESTORE execution is to be followed by an ADARES REGENERATE operation, use the protection log with the indicated nucleus session number as input for the REGENERATE function, and specify the “chk-pnt” checkpoint and “blk-num” as parameters.

ADAU65 LOADING RECORDS FROM VERSION v UNLOAD TAPE

Explanation: Adabas version “v” created the unload dataset specified as input.

ADAU66 RESTORING FILE(S) FROM VERSION v SAVE TAPE

Explanation: The save dataset specified as input was created by Adabas version “v”.

ADAU67 UNLOADING FILE=file-number, RECNO=rec-count

Explanation: In response to ADAULD operator command DSTAT, ADAULD is currently unloading file “file-number”. At this point in time, “rec-count” records have been unloaded.

ADAU68 INDEX OF FILE file-number IS {COMPRESSED | UNCOMPRESSED}

Explanation: The utility is processing a file with a compressed or uncompressed index, as indicated.

ADAU69 DDWORKnn NOT RESET. DBID IS dbid1 EXPECTED DBID IS dbid2

Explanation: A nonempty Work dataset was assigned to an ADASAV RESTOREDB job that belongs to another database.

Action: The Work dataset is not reset.

ADAU71 LOCKING RLOG DATASET FOR NUCLEUS GOT RSP=rc, SUBC=sc

Explanation: The utility's request to lock the RLOG dataset for the Adabas nucleus failed. The nucleus could experience a short hard wait if it attempts to access the RLOG dataset at the same time as the utility.

ADAU72 UNLOCKING RLOG DATASET FOR NUCLEUS GOT RSP=rc, SUBC=sc

Explanation: The utility's request to unlock the RLOG dataset for the Adabas nucleus failed. An ADADBS or Adabas Online System function could experience a medium wait if it needs to be recorded in the RLOG dataset.

ADAU73 RECOVERY AID DEACTIVATED— RE-PREPARE THE RECOVERY LOG DATASETS. PROCESSING CONTINUES.

Explanation: For restoring the database, initialization of RLOG dataset access failed (utility error 058). ADASAV deactivates the Recovery Aid and continues the restore. ADASAV will terminate with return code 4.

User Action: Reactivate the Recovery Aid by executing the ADARAI PREPARE function again.

ADAU74 THIS FUNCTION EXECUTION WILL NOT BE LOGGED IN THE RECOVERY LOG. PROCESSING CONTINUES.

Explanation: For a utility function that does not change the database or files, initialization of RLOG dataset access failed (utility error 058). The utility continues without recording its run in the recovery log and terminates with return code 4.

User Action: Determine why the utility error 058 occurred. Correct the error.

ADAU75 PLOGRn FOR NUCID=nucid IS NOT EMPTY, DSNAME=plog-name

Explanation: While converting from a version of Adabas that uses the parallel participant table (PPT) structure to a higher version of Adabas, the system determined that the specified protection log (PLOG) for the specified earlier version nucleus (NUCID=0 for a noncluster nucleus) remained uncopied/unmerged. The conversion fails.

Action: You can bypass this check if necessary by using the ADACNV CONVERT IGNPPT parameter.

ADAU7A ECS ERROR error-number IN FUNCTION ecs-function

Explanation: ECS is the Entire Conversion Services, a subsystem of the Adabas universal encoding support (UES) system. This message is written after a function of the subsystem has failed. The following ECS functions may return errors:

| | |
|----------|--|
| ECS LOAD | An error loading ECS. Check that the ECS load module is in the Adabas load library. |
| APS INIT | An error occurred during APS (POSIX Services) initialization. Verify that the APS library is in the load library concatenation and/or that the APS parameters are specified in SYSPARM. |
| SLIBLOAD | An error loading SAGECS, SAGOVO, or SAGSMP2. Check that these modules from the Software AG base technology (BTE) library can be found in the load library concatenation. |
| DDEC SOJ | An error occurred during initialization while reading ECS standard conversion objects. Check that the nonexecutable binary ECS conversion object library is specified in the DDEC SOJ DD statement of the JCL. |

GETHANDLE nnnn An error occurred reading the ECS encoding descriptor object EDDnnnn. Check that the nonexecutable binary ECS conversion object library is specified in the DDEC SOJ DD statement of the JCL. Check that EDDnnnn is contained in the library. If it is not, then either an invalid number was specified or the object is missing and must be added.

GETHANDLE mmmm/nnnn See the GETHANDLE nnnn explanation. In this case, an ECS plane table object (PTO) is missing Txxx2yyy where “xxx” or “yyy” are the hexadecimal value of the decimal “mmmm” or “nnnn”, respectively. For some conversion combinations, it may be necessary to request additional PTOs from your Software AG support representative.

User Action: Resolve the problem and try again.

ADAU7C ENTIRE CONVERSION SERVICES v.r.s INITIALIZED

Explanation: The specified version / revision / system-maintenance level of Entire Conversion Services has been initialized.

ADAU7D COLLATION EXIT exit-number INITIALIZED

Explanation: The specified collation exit supporting a collation descriptor field has been initialized.

ADAU92 utility STILL INITIALIZING

Explanation: This message is a response to the utility DSTAT operator command, if the corresponding utility is still in its initialization phase.

ADAXnn—Adabas Cluster Nucleus Messages

All ADAXxx messages begin with the database ID, which is omitted from the following messages for space reasons. Ranges of ADAXnn messages are reserved as follows:

| Range | Reserved for messages ... |
|--------------|---|
| ADAX01–09 | related to cluster nucleus status. |
| ADAX10–19 | from the independent-level Adabas cluster messaging service API routines in ADANCX. |
| ADAX20–29 | from the dependent-level OS/390 sysplex XCF message transport service. |
| ADAX2A–2I | from the Adabas Parallel Services messaging module ADASMM. |
| ADAX30–39 | related to nucleus recovery. |
| ADAX40–61 | related to cache services. |
| ADAX62–73 | related to lock services. |
| ADAX74+ | related to other aspects of cluster nucleus processing. |

Cluster Nucleus Status Messages

ADAX01 NUCID nucid ON SYSTEM system status

Explanation: A nucleus entered or left the Adabas cluster.

Adabas nucleus cluster members that were identified as active at initialization are indicated with status ‘is present’. Post-initialization changes to Adabas cluster membership are indicated with status ‘has joined’; ‘has withdrawn’; or ‘has failed’.

ADAX09 POST NUC nucid FAILED – RET return-code RSN reason-code

Explanation: This message may appear when another nucleus terminates.

User Action: No action is necessary if the other nucleus is terminating abnormally. If the message occurs in an otherwise normal nucleus session, contact your Software AG technical support representative.

ADANCX API Messaging Service Messages

ADAX11 ADABAS CLUSTER MESSAGING INITIALIZATION FAILED

Explanation: An error described in preceding messages prevented successful initialization of Adabas cluster messaging services. Nucleus initialization fails with PARM–ERROR 092.

User Action: Correct the problem identified in the preceding messages.

ADAX12 UNABLE TO OBTAIN {AXMVT | ADAMCB} STORAGE

Explanation: A request to obtain storage from the work pool for Adabas cluster messaging service control structures failed. Nucleus initialization fails with PARM–ERROR 092.

User Action: Increase the amount of virtual storage available. Alternatively, adjust ADARUN parameters to allow for a larger work pool or decrease ADARUN parameters NT and NU to require fewer AXMCBs.

ADAX14 STATISTICS FOR type–TYPE MESSAGES ADAX14 MESSAGES SENT nn REPLIES SENT nn ADAX14 MESSAGES ARRIVED nn MESSAGES ACCEPTED nn

Explanation: Produced during normal nucleus termination, this message provides Adabas Cluster Services messaging service statistics:

| | |
|-------------------|---|
| messages sent | reflects the number of internucleus messages initiated from this nucleus |
| messages arrived | is the count of asynchronous incoming messages queued for the nucleus (normally, the same as ‘messages accepted’) |
| messages accepted | is the count of those messages the nucleus processed (normally, the same as ‘messages arrived’) |
| replies sent | is the count of nucleus responses to accepted messages that required a response. |

ADAX15 AXMCB ALLOCATED nn USED nn TOTAL REQUESTS nn

Explanation: Produced during normal nucleus termination, this message provides Adabas cluster messaging service statistics:

AXMCB allocated number of internucleus message control blocks allocated.

AXMCB used number of internucleus message control blocks used.

total requests total number of requests to use the allocated internucleus message control blocks.

OS/390 Sysplex XCF Message Transport Service Messages**ADAX20 XCF TRANSPORT INITIALIZATION COMPLETE**

Explanation: The OS/390 XCF transport service successfully initialized.

ADAX21 reason

Explanation: The error specified by one of the following reasons occurred during OS/390 XCF transport service initialization:

(reason) EXISTING XCF GROUP MEMBER xcf-member USES DIFFERENT DBID

Explanation: An Adabas sysplex cluster nucleus that is already active in the same XCF group is using a different DBID. All Adabas sysplex cluster nuclei generate 'xcf-member' names in the format

DBddddpppppNnn

—where

dddd is the database ID

pppp is the nonzero NUCID

nn is an internal ordinal identifier

User Action: Verify that ADARUN parameters DBID and CLUGROUPNAME are correct in all nuclei participating in the sysplex cluster. Contact your Software AG technical support representative if you are unable to resolve the problem.

(reason) INVALID GROUP NAME

Explanation: The ADARUN parameter CLUGROUPNAME was omitted or invalid.

User Action: Correct the ADARUN parameter. CLUGROUPNAME must begin with an alphabetic character, may not begin with SYS, and may not be UNDESIG.

(reason) INVALID USERSTATE DATA FROM EXISTING MEMBER xcf-member

Explanation: The control information presented for a member already connected to the XCF group was not formatted as a proper Adabas sysplex cluster nucleus or had a different DBID. The preexisting member may be an Adabas sysplex cluster nucleus associated with a different DBID, or it may be another process using the same XCF group name. All Adabas sysplex cluster nuclei generate 'xcf-member' names in the format

DBddddppppNnn

—where

dddd is the database ID

pppp is the nonzero NUCID

nn is an internal ordinal identifier

User Action: Identify the source of 'xcf-member'. If it is an Adabas sysplex cluster nucleus, make sure the parameters NUCID, CLUGROUPNAME, and DBID are correct. There may be additional information in messages generated by the other nucleus. If it is not an Adabas sysplex cluster nucleus, contact your systems programmer or support representative. If you are unable to resolve the problem, contact your Software AG technical support representative.

(reason) IXCJOIN FAILED, DUPLICATE NUCID AND XCF MEMBER NAME

Explanation: XCF service IXCJOIN reported the member name requested by this nucleus was already active in the XCF group. The member name is derived from the ADARUN parameters DBID and NUCID and an internal number assigned during nucleus initialization.

User Action: Verify that ADARUN parameter DBID is correct and NUCID is unique among all nuclei participating in the Adabas sysplex cluster. Contact your Software AG technical support representative if you are unable to resolve the problem.

(reason) IXCJOIN FAILED OR RETRY COUNT EXHAUSTED

Explanation: An error was reported by XCF service IXCJOIN. Message ADAX28 provides the return and reason code from IXCJOIN. These are defined in IBM documentation. An error may result from XCF options specified for your installation by your systems programmer s.

User Action: Contact your Adabas technical support representative if you are unable to resolve the problem.

(reason) IXCQUERY FAILED

Explanation: An error was reported by IBM XCF service IXCQUERY. Message ADAX28 provides the return and reason code from IXCQUERY. These are defined in the IBM documentation.

User Action: Contact your Adabas technical support representative.

(reason) NUCID ALREADY ACTIVE

Explanation: XCF initialization found an active Adabas sysplex cluster nucleus with the same NUCID.

User Action: Verify that ADARUN parameter NUCID is unique among all nuclei participating in the Adabas sysplex cluster.

(reason) TOO MANY MEMBERS EXIST IN XCF GROUP

Explanation: IXCQUERY identified an unexpected number of preexisting members in the XCF group.

User Action: Contact your Software AG technical support representative.

(reason) XCF LATCH SET CREATION FAILED

Explanation: An error was reported by the IBM latch set creation routine ISGLCRT.

User Action: Contact your Software AG technical support representative.

(reason) XCF TRANSPORT INITIALIZATION FAILED

Explanation: The initialization of the Adabas sysplex cluster's messaging service failed and nucleus initialization failed with PARM error 092. The reason for the failure is indicated in a previous message.

ADAX24 reason IN XCF MESSAGE EXIT

Explanation: An error occurred while processing an incoming asynchronous message. This message appears only in the OS/390 Adabas nucleus JESLOG listing, SYSLOG or operator's console.

Action: The message or message segment was discarded. If a reply was expected, a null response with error indication is sent to the originating nucleus. If the message contains an Adabas command, response code 124 and an explanatory subcode are generated. It may not always be possible to send a response.

(reason) AXMCB ALLOCATION FAILED

Explanation: A message control block to describe the incoming message could not be obtained from the pool.

User Action: Adjust ADARUN parameters NT and NU to increase the number of AXMCBs created at initialization. Contact your Software AG technical support representative if you are unable to resolve the problem.

(reason) BUFFER ALLOCATION FAILED

Explanation: A buffer for the incoming message could not be obtained.

User Action: Provide more storage by increasing the REGION JCL parameter. Contact your Software AG technical support representative if you are unable to resolve the problem.

(reason) INVALID INCOMING MSGCNTL HEADER

Explanation: The control information presented for the incoming message was not formatted as a proper Adabas cluster nucleus or had a different DBID. This may result if a message was sent from an XCF group member previously cited in message ADAX27.

User Action: See message ADAX27. Contact your Software AG technical support representative if you are unable to resolve the problem.

(reason) OUT OF SEQUENCE OR MISSING SEGMENTS

Explanation: The segments of a message whose length required it to be sent in multiple segments did not arrive in the expected order.

User Action: Contact your Software AG technical support representative.

(reason) SEGMENTED MESSAGE TIMED OUT

Explanation: A message whose length required it to be sent in multiple segments was not complete at the expiration of the timeout interval. This may be the result of an error on the sending nucleus, an XCF error, or contention for system resources.

User Action: Contact your Software AG technical support representative if you are unable to resolve the problem.

(reason) UNABLE TO RECEIVE MESSAGE SEGMENT

Explanation: An error was reported from the XCF IXCMSGI service when attempting to receive the message. Message ADAX28 provides the IXCMSGI return and reason codes. These codes are defined in IBM documents.

User Action: Contact your Software AG technical support representative if you are unable to resolve the problem.

(reason) UNABLE TO SAVE MESSAGE SEGMENT

Explanation: An error was reported from the XCF IXCMSGC service when attempting to save the message. Message ADAX28 provides the IXCMSGC return and reason codes. These codes are defined in IBM documentation. There may not be sufficient resources allocated in your installation to save the message.

User Action: Contact your systems programmer or technical representative to determine if XCF is experiencing a shortage of resources. Contact your Software AG technical support representative if you are unable to resolve the problem.

ADAX26 INVALID USERSTATE DATA FROM xcf-member

Explanation: An error occurred when processing a member state change event generated by the OS/390 XCF messaging transport service as a member attempted to join the XCF group. The control information presented for the XCF group member attempting connection was not formatted as a proper Adabas sysplex cluster nucleus or had a different DBID. The joining member may be an Adabas sysplex cluster nucleus associated with a different DBID or it may be another process using the same XCF group name. All Adabas sysplex cluster nuclei generate 'xcf-member' names in the format

DBddddpppppNnn

—where

dddd is the database ID

pppp is the nonzero NUCID

nn is an internal ordinal identifier

System Action: The member state change event is discarded.

User Action: Identify the source of 'xcf-member'. If it is an Adabas sysplex cluster nucleus, make sure the parameters NUCID, CLUGROUPNAME, and DBID are correct and notify your Adabas technical support representative if this does not correct the problem. There may be additional information in the messages for the nucleus attempting to join. If it is not an Adabas sysplex cluster nucleus, notify your system programmer or support representative.

ADAX27 NO ROOM IN AXCFVT TABLE FOR xcf-member

Explanation: An error occurred when processing a member state change event generated by the OS/390 XCF messaging transport service.

User Action: Contact your Adabas technical support representative. The member state change event is discarded.

ADAX28 xcf-service-routine RET return-code RSN reason-code

Explanation: This message appears only in the OS/390 Adabas nucleus JESLOG listing, SYSLOG, or operator's console. It is issued for certain XCF message transport service requests during initialization and termination, and whenever a request fails. Refer to IBM documentation for descriptions of the various return and reason codes for each XCF service.

User Action: This message may be associated with an error condition reflected in other messages, or may have caused an Adabas cluster message request to fail. If an associated error is identified, include this message when contacting your Software AG technical support representative.

**ADAX29 ADABAS ABEND IN XCF EXIT DBID dbid NUCID nucid
 ABEND routine Snnn Unnnn REASON reason PSW psw
 REG 0–3 reg 0 reg 1 reg 2 reg 3
 REG 4–7 reg 4 reg 5 reg 6 reg 7
 REG 8–B reg 8 reg 8 reg 10 reg 11
 REG C–F reg 12 reg 13 reg 14 reg 15**

Explanation: A program check or system ABEND was intercepted by the OS/390 XCF messaging transport service FRR or ESTAE routine. The error may have occurred under an SRB.

System Action: The nucleus should terminate. A dump may be produced in SDUMP format, either in one of the nucleus-allocated files SYSUDUMP, SYSMDUMP, or SYSABEND; or in a system-allocated file such as SYS1.DUMPn.

User Action: Contact your Software AG technical support representative.

SMM Facility (ADASMM) Messages

The messages in this section are returned by the Adabas Parallel Services messaging module ADASMM, also called the SMM facility.

Each message begins with a timestamp in the format “hh:mm:ss”, a jobname, and the database ID for the Adabas Parallel Services cluster, which is shown as five numeric characters with leading zeros.

TI Messages – Initialization

ADAX2A TI-0, INITIALIZED, RC return-code

Explanation: ADASMM initialized successfully.

ADAX2A TI-1, CANNOT GET WORK MEMORY

Explanation: The attempt to acquire memory for the ADASMM work area failed.

Action: ADASMM terminates.

ADAX2A TI-2, CANNOT GET PLXCB

Explanation: The attempt to acquire an Adabas Parallel Services control block (MPM 76 call) failed.

Action: ADASMM terminates.

ADAX2A TI-3, CANNOT LOAD PLXDEP

Explanation: The attempt to load the operating system interface module PLXDEP failed.

Action: ADASMM terminates.

ADAX2A TI-4, MEMSTATE CALL NUCID: nucid, RC return-code

Explanation: The specified hexadecimal return code was received from the member state table interface call for the specified nucleus ID.

Action: Analyze the return code and correct the error.

ADAX2A TI-5, ERROR IN POST NUCID: nucid, RC return-code

Explanation: The specified hexadecimal return code was received from the cross-memory post (MPM 80) routine to the specified nucleus ID.

Action: Analyze the return code and correct the error.

ADAX2A TI-6, NUCID: nucid REPORTED ACTIVE – INCONSISTENT PLXCB

Explanation: A fatal error occurred during initialization. The cluster control block PLXCB reported incorrectly that the nucleus (NUCID) was active. The PLXCB is therefore inconsistent and initialization fails with response code 8.

Action: Restart the cluster cleanly.

ADAX2A ddddd TI-9, ERROR SET PROCESS TOKEN: xx

Explanation: A fatal error occurred in obtaining the process token value xx as returned from the Adabas Operating System interface ADAIOR, where ddddd is the database ID of the SMP cluster.

Action: Note the response code delivered and contact your Software AG technical support representative.

TT Messages – Termination**ADAX2B TT-0, SMM NOT YET INITIALIZED**

Explanation: The termination call was made without a previous successful initialization call.

Action: The SMM facility terminates.

ADAX2B TT-1, SMM TERMINATING

Explanation: The SMM facility is terminating.

ADAX2B TT-2, MEMSTATE CALL, NUCID: nucid, RC return-code

Explanation: The specified hexadecimal return code was received from the member state table interface call to the specified nucleus ID.

Action: Analyze the return code and correct the error.

SM Messages – Send**ADAX2C SM-0, SMM NOT INITIALIZED YET**

Explanation: A send call was made without a previous successful initialization.

Action: ADASMM terminates.

ADAX2C SM-1, TIMER CALL, RC response-code

Explanation: The specified hexadecimal response code was returned from a call to set up a timeout interval.

Action: Analyze the response code and correct the error.

ADAX2C SM-2, NO UB AVAILABLE, RC response-code

Explanation: The specified hexadecimal response code was returned by the call to acquire a user buffer.

Action: Analyze the response code and correct the error.

ADAX2C SM-3, CANNOT FIND ECB ELEMENT

Explanation: An event control block is required in order to send a message. This control block cannot be acquired because the table is full.

Action: The size of the table is based on the ADARUN NC parameter. Increase the value of the ADARUN NC parameter to increase the table size.

ADAX2C SM-4, REPLY ERROR, NUCID: nucid, RC response-code

Explanation: The specified hexadecimal response code was returned by the specified (external) NUCID.

Action: Analyze the response code and correct the error.

RM Messages – Receive**ADAX2D RM-0, SMM NOT YET INITIALIZED**

Explanation: A receive call was made without a previous successful initialization.

Action: ADASMM terminates.

ADAX2D RM-1, REPLY ECB NOT FOUND, RC response-code

Explanation: Every ADASMM message needs an event control block, which is held in a table. The required receive messages does not have an equivalent event control block entry set by a send.

Action: Analyze the response code and correct the error.

QU Messages – Query Member**ADAX2E QU-0, SMM NOT YET INITIALIZED**

Explanation: A query member call was made without a previous successful initialization.

Action: ADASMM terminates.

ADAX2E QU-1, BAD FUNCTION CODE code

Explanation: The calls to ADASMMQU have a function code. The function code “code” is out of range. This is an internal error.

Action: ADASMM terminates.

TM Messages –**ADAX2F TM-0, SMM NOT INITIALIZED YET**

Explanation: A call was made to terminate the cluster session without a previous successful initialization call.

Action: ADASMM terminates.

CM Messages – Cancel**ADAX2G CM-0, SMM NOT YET INITIALIZED**

Explanation: A cancel call was made without a previous successful initialization.

Action: ADASMM terminates.

CME Messages – Receive Exit**ADAX2H CME-0, SMM NOT YET INITIALIZED**

Explanation: A receive exit call was made without a previous successful initialization.

Action: ADASMM terminates.

ADAX2H CME-1, CANNOT FIND ECB ELEMENT

Explanation: An event control block was received in the database for ADASMM. The equivalent event control block for the message that was sent cannot be found.

Action: Ensure that the ECB for the message sent is available.

TIMEX Messages – Timer Exit**ADAX2H TIMEX-0, SMM NOT YET INITIALIZED**

Explanation: A timer exit call was made without a previous successful initialization.

Action: ADASMM terminates.

ADAX2H dddd TIME-1, MSG TO cccc TIMED OUT

Explanation: An attempt to send a message to cluster cccc timed out, with no response.

Action: This is a warning. Contact your Software AG technical support representative.

SS Messages – Cluster Nucleus Status

ADAX2I SS-1, TARGET GONE, ID nucid

Explanation: The cluster nucleus with the specified (external) NUCID left the cluster.

ADAX2I SS-2, MEMSTATE, ID int-nucid IND idx-num EXT nucid STATE nn

Explanation: This message provides information about calls to the member state table manager from the SMM facility where

int-nucid is the nucleus indicator entry for the cluster nucleus in the member state table (internal).
 idx-num is the index number of the internal nucleus indicator entry.
 nucid is the user-specified (external) NUCID number, or zero (0) for a noncluster nucleus.
 nn is the status of the nucleus: 03 to activate or 00 to release.

ADAX2I SS-3, ACB TO ID nucid, RC rsp-code, AD2 value

Explanation: An error has occurred in cluster communication. The cluster nucleus that returned the message is identified by the (external) NUCID. The response code is provided as well as the contents of the command ACB's additions 2 field.

Action: This is a warning. Contact your Software AG technical support representative.

Cluster Nucleus Recovery Messages

ADAX31 OPENING WORK DATASET FOR NUCID=nucid

Explanation: While recovering from the failure of one or more Adabas cluster nuclei, this nucleus is about to open the Work dataset of the nucleus with the specified (external) NUCID, which terminated abnormally.

ADAX32 OPEN FAILED. IOR CODE=X'cc', SYSTEM CODE=X'ssss'

Explanation: While recovering from the failure of one or more Adabas cluster nuclei, this nucleus tried to open the Work dataset of the nucleus with the NUCID 'nucid' (message ADAX31), but the open failed. ADAIOR issued response code 'cc' (in hexadecimal), and the system's return code is 'sss' (in hexadecimal). The nucleus job protocol (DD/PRINT) contains an ADAI63 message detailing the name of the Work dataset that could not be opened.

User Action: Determine why opening the Work dataset failed. Possible causes include the following:

- the Work dataset or its catalog entry is inaccessible or has been damaged; or
- the PPT block containing the name of the Work dataset has been damaged.

If possible, correct the error and restart the nucleus. Otherwise, the database must be restored and regenerated.

If in doubt, contact your Software AG technical support representative.

**ADAX33 BAD WORK BLOCK FOR NUCID=nucid
TIMESTAMP MISMATCH — RABN=rrrr**

Explanation: While recovering from the failure of one or more Adabas cluster nuclei, this nucleus encountered a Work block in which the timestamp at the beginning of the block did not match the control timestamp at the end of the block. The last write of the block was incomplete, or the block has been damaged for another reason. It is inconsistent and cannot be used for recovery. The block was read from the Work dataset of the nucleus with the NUCID 'nucid'. Its RABN is 'rrrr'.

User Action: Restore and regenerate the database. If in doubt, contact your Software AG technical support representative.

Cache Services Messages

**ADAX40 ADABAS ABEND IN CACHE EXIT DBID dbid NUCID nucid
 ABEND routine Snnn Unnnn REASON reason PSW psw
 REG 0–3 reg 0 reg 1 reg 2 reg 3
 REG 4–7 reg 4 reg 5 reg 6 reg 7
 REG 8–B reg 8 reg 8 reg 10 reg 11
 REG C–F reg 12 reg 13 reg 14 reg 15**

Explanation: A program check or system ABEND was intercepted by the OS/390 XES parallel sysplex cache service FRR routine. The error occurred under an SRB.

System Action: The nucleus should terminate. A dump may be produced in SDUMP format, either in one of the nucleus-allocated files SYSUDUMP, SYSMDUMP, or SYSABEND; or in a system-allocated file such as SYS1.DUMPn.

User Action: Contact your Adabas technical support representative.

ADAX41 ADANCX GETMAIN FAILED

Explanation: ADANCX is the nucleus extension module for Adabas cluster environments. The attempt to allocate space for this module failed.

User Action: Reduce memory requirements or expand the amount of memory available.

ADAX42 GETMAIN FAILED

Explanation: An attempt to allocate space failed.

User Action: Reduce memory requirements or expand the amount of memory available.

ADAX43 {ADAXEC | ADASMC} INITIALIZATION ERROR – xxx

Explanation: Internal error.

User Action: Contact your Software AG technical support representative.

ADAX44 ADANCX CACHE-RELATED GETMAIN FAILED

Explanation: ADANCX is the nucleus extension module for Adabas cluster environments. A second attempt to allocate space for this module failed.

User Action: Reduce memory requirements or expand the amount of memory available.

ADAX45 UNEXPECTED CACHE CONNECTION ERROR – xxx

Explanation: An error occurred while connecting to the sysplex cache structure. See the following messages for the reason.

User Action: Correct the problem. If the action to take is not obvious, contact your Software AG technical support representative.

ADAX46 GETMAIN FAILED AFTER CONNECT TO CACHE

Explanation: An attempt to allocate space failed after Adabas was connected to the external_cache structure.

User Action: Reduce memory requirements or expand the amount of memory available.

ADAX47 CACHE CONNECT PROBLEM RC X'xxxxxxxx' REASON X'yyyyyyyy'

Explanation: An error occurred while connecting to the sysplex cache structure. The 'x's identify cache-related return codes; the 'y's identify reason codes to explain the error.

User Action: See the IBM manual *MVS Programming: Sysplex Services Reference* for an explanation of the codes. Relevant information can be found in the **Return and Reason Codes** section of the macro IXLCONN. Common reason codes that occur due to configuration errors include the following:

| RC | REASON | Explanation |
|-------|-------------|---|
| X'08' | X'xxxx084C' | Improper SAF authorization. Adabas is not authorized to connect to the structure. |
| X'0C' | X'xxxx0C05' | Structure not defined in CFRM policy, possibly due to a bad structure name parameter. |
| X'0C' | X'xxxx0C08' | No suitable coupling facility found for structure allocation. |
| X'0C' | X'xxxx0C29' | The CFRM function is not active or not available. |

**ADAX48 CACHE DISCONNECT RC rrr
CRC X'xxxxxxxx'X REASON X'yyyyyyy'**

Explanation: An error occurred while disconnecting from the sysplex cache structure. 'r's identify return codes from the ADAXEC module; 'x's identify return codes from the cache structure; and 'y's identify reason codes to explain the error.

User Action: See the IBM manual *MVS Programming: Sysplex Services Reference* for an explanation of the codes. Relevant information can be found in the **Return and Reason Codes** section of the macro IXLDISC.

**ADAX48 BLOCK blk-name CAST-OUT LOCKED AT DISCONNECT
nnnn CAST-OUT BLOCKS RELEASED AT DISCONNECT**

Explanation: The nucleus held a cast-out lock on one or more cache blocks when the nucleus disconnected from the global cache. The cast-out lock has been released. This may occur during abnormal terminations.

User Action: If the nucleus is terminating abnormally, no action is required. However, if this message appears in an otherwise normal nucleus session, contact your Software AG technical support representative.

ADAX49 UNEXPECTED CACHE RETURN CODE ENCOUNTERED
ADAX49 FUNCTION X'ff' xxxxxxxxxxxxxxxxxxxxxxxxxxxx
ADAX49 CRC X'yyyyyyyy' REASON X'zzzzzz'

Explanation: An unexpected return code was returned during execution of a macro related to the cache structure.

User Action: See the IBM manual *MVS Programming: Sysplex Services Reference* for an explanation of the codes. Relevant information can be found in the **Return and Reason Codes** section of the macro IXLCACHE, in the chapter corresponding to the function displayed in the message.

ADAX50 GETMAIN FAILED FOR CAST-OUT DIRECTORY BUFFER
ADAX50 SIZE REQUESTED xnnnnnnnn

Explanation: An attempt to allocate space for the cast-out directory buffer failed.

User Action: Reduce memory requirements or expand the amount of memory available.

ADAX51 CACHE STRUCTURE ALLOCATION UNACCEPTABLE
ADAX51 REQUESTED CACHE ALLOCATION VALUES
ADAX51 STORAGE CLASSES X'ee'
ADAX51 CAST-OUT CLASSES X'ffff'
ADAX51 ADJUNCT=YES
ADAX51 MAXIMUM DATA ELEMENTS PER ENTRY X'gg'
ADAX51 DATA ELEMENT CHARACTERISTIC X'hh'
ADAX51 ACTUAL CACHE ALLOCATION VALUES
ADAX51 STORAGE CLASSES X'ii'
ADAX51 CAST-OUT CLASSES X'jjjj'
ADAX51 ADJUNCT={YES | NO}
ADAX51 MAXIMUM DATA ELEMENTS PER ENTRY X'kk'
ADAX51 DATA ELEMENT CHARACTERISTIC X'mm'

Explanation: The cache structure connected successfully; however, the attributes of the cache structure are inappropriate for the Adabas sysplex cluster.

User Action: Define the cache structure correctly in the sysplex CFRM policy.

**ADAX52 INCOMPATIBLE EXISTING USER(S) OF THE
ADAX52 CACHE STRUCTURE cache-structure-name**

Explanation: The cache structure with the name indicated is already being used by another Adabas cluster. Cache structure names may only be used for a single Adabas cluster of nuclei.

User Action: Use the cache structure name identified for use by your particular cluster.

ADAX53 INTERNAL ERROR – NO AVAILABLE XQRB

Explanation: An internal error has occurred.

User Action: Contact your Software AG technical support representative.

ADAX54 INSUFFICIENT CACHE DATA ELEMENTS

Explanation: The cache structure connected successfully; however, the number of cache data elements in the external cache structure (or global cache area) is not sufficient. There must be enough data elements to hold 80,000 or more bytes of information. The number of data elements allocated is indicated earlier in message ADAX57.

User Action: Increase the size of the external cache structure (or global cache area). Alternatively, modify the ADARUN parameters DIRRATIO and/or ELEMENTRATIO to ensure that enough cache data elements are allocated.

ADAX55 THIS JOB WILL NOW TERMINATE

Explanation: An internal error occurred that caused the nucleus to terminate abnormally. A message issued prior to this one provides more information related to the error.

User Action: Contact your Software AG technical support representative.

ADAX57 **CONNECTED TO CACHE STRUCTURE** cache-structure-name
ADAX57 **DIRECTORY ELEMENTS** xxxxxx
ADAX57 **DATA ELEMENTS** yyyyyy
ADAX57 **DATA ELEMENT SIZE** zzzzzz

Explanation: An Adabas cluster nucleus successfully connected to the specified cache structure (or global cache area) in a cluster environment. This message provides a count of the cache's directory entries and data elements, along with the data element size.

ADAX58 **TIME EXPIRED WAITING FOR NOTIFICATION OF**
ADAX58 **EXISTING CONNECTORS TO THE CACHE STRUCTURE**

Explanation: The attempt to connect an Adabas cluster nucleus to the cluster cache structure in a sysplex environment timed out waiting for information about existing connections to the cache structure.

User Action: Try again to start the Adabas sysplex cluster nucleus. If the error continues to occur, contact your Software AG technical support representative.

ADAX59 **UNEXPECTED RETURN CODE FROM {ADAXEC | ADASMC}**
ADAX59 **FUNCTION X'ff' xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx**
ADAX59 **RC rrr**

Explanation: An unexpected return code was received during a call to the referenced module. The message includes the function code and return code.

User Action: Contact your Software AG technical support representative.

Lock Services Messages

ADAX60 {PEER NUCLEUS | UNKNOWN CONNECTOR}connection-name
ADAX60 {IS ALREADY | HAS} CONNECTED TO
ADAX60 {CACHE | LOCK} STRUCTURE structure-name

Explanation: An event occurred related to another connector of a cache or lock structure.

ADAX60 {PEER NUCLEUS | UNKNOWN CONNECTOR}connection-name
ADAX60 HAS DISCONNECTED {NORMALLY | ABNORMALLY} FROM
ADAX60 {CACHE | LOCK} STRUCTURE structure-name

Explanation: An event occurred related to another connector of a cache or lock structure.

ADAX61 date time statistic-text statistic-value

Explanation: This message displays cache- and lock-related statistics during termination or in response to a console command issued in an Adabas cluster environment.

ADAX62 UNEXPECTED LOCK RETURN CODE ENCOUNTERED
ADAX62 FUNCTION X'xx'
ADAX62 LRC X'ccccccc' REASON X'rrrrrrr'

Explanation: An attempt to lock or unlock a logical resource failed. The lock manager function number is 'xx'; its response code is 'ccccccc'; and its reason code is 'rrrrrrr'. All variables are in hexadecimal.

System Action: The nucleus terminates abnormally.

User Action: This is an unexpected error. Contact your Software AG technical support representative.

For an explanation of the codes, see the IBM manual *MVS Programming: Sysplex Services Reference*. Relevant information can be found in the **Return and Reason Codes** section of the macro IXLLOCK.

ADAX63 LOCK CONNECT PROBLEM RC X'ccccccc' REASON X'rrrrrrr'

Explanation: An error occurred while connecting to the lock structure. The lock manager's response code is 'ccccccc', its reason code is 'rrrrrrr'. Both variables are in hexadecimal.

System Action: The nucleus terminates abnormally.

User Action: This is an unexpected error. Contact your Software AG technical support representative.

For an explanation of the codes, see the IBM manual *MVS Programming: Sysplex Services Reference*. Relevant information can be found in the **Return and Reason Codes** section of the macros IXCQUERY and IXLCONN. Common reason codes that occur due to configuration errors include the following:

| RC | REASON | Explanation |
|-------|-------------|---|
| X'08' | X'00000024' | Structure not defined in CFRM policy. |
| X'08' | X'xxxx084C' | Improper SAF authorization. Adabas is not authorized to connect to the structure. |
| X'0C' | X'00000154' | No CFRM policy active. |
| X'0C' | X'xxxx0C05' | Structure not defined in CFRM policy, possibly due to a bad structure name parameter. |
| X'0C' | X'xxxx0C08' | No suitable coupling facility found for structure allocation. |
| X'0C' | X'xxxx0C29' | The CFRM function is not active or not available. |

ADAX64 ADANCX LOCK-RELATED GETMAIN FAILED

Explanation: The lock manager failed to acquire main storage.

User Action: Restart the nucleus with a larger REGION parameter or make the nucleus parameters NH, NU, or LDEUQP smaller.

ADAX65 PARAMETER TAKEN OVER: parameter-name
ADAX65 OLD: old-value NEW: new-value

Explanation: A global parameter was changed on one nucleus in the cluster. This parameter was propagated to all other nuclei and taken over by them.

ADAX66 INCOMPATIBLE GLOBAL PARAMETER parameter-name
ADAX66 SPECIFIED: value-specified IN EFFECT: value-in-effect

Explanation: An attempt was made to change an unchangeable global parameter. This change is rejected.

ADAX67 INCOMPATIBLE EXISTING USER(S) OF THE
ADAX67 LOCK STRUCTURE lock-structure-name

Explanation: The lock structure with the name specified in the message is already being used by another Adabas sysplex cluster or by other software. Lock structure names must be unique in the sysplex environment and for each Adabas nucleus cluster.

User Action: Use the lock structure name that has been identified for use by your particular Adabas sysplex cluster.

ADAX68 TIME EXPIRED WAITING FOR NOTIFICATION OF
ADAX68 EXISTING CONNECTORS TO THE LOCK STRUCTURE

Explanation: An attempt to connect an Adabas sysplex cluster nucleus to the lock structure timed out waiting for information about existing connections to the lock structure.

User Action: Determine whether any conditions exist in the coupling facility or the system itself that could interrupt the flow of information or make the flow extremely slow.

ADAX69 LOCK STRUCTURE TOO SMALL
ADAX69 EXPECTED MIN NUMBER OF RECORDS nnn,nnn,nnn

Explanation: The lock structure defined in the CFRM policy is too small to handle the current settings of the ADARUN parameters. The minimum number of records expected by the processes is indicated.

User Action: Either decrease the value of the ADARUN parameters NU, NH, or LDEUQP; or increase the size of the lock structure.

ADAX70 CONNECTED TO LOCK STRUCTURE lock-structure-name
ADAX70 NUMBER OF LOCK ENTRIES nnn,nnn
ADAX70 MAX NUMBER OF RECORD ELEMENTS nn,nnn

Explanation: An Adabas cluster nucleus successfully connected to the specified lock structure in an OS/390 parallel sysplex environment. This message provides

- a count of lock entries; and
- the maximum number of records elements.

ADAX71 RETRYING CACHE WRITE FOR RABN X'rrrrrrrr'

Explanation: This message identifies the RABN value in hexadecimal for which a cache write is being retried. The error leading to the write retry is identified in previous messages.

ADAX72 GETMAIN FAILED FOR LOCK ELEMENT TABLE
ADAX72 SIZE REQUESTED Xnnnnnn

Explanation: An attempt to allocate space for the lock element table failed.

User Action: Reduce the memory requirements for the table or expand the amount of memory available.

ADAX73 LOCK STRUCTURE SIZE ERROR

Explanation: An error was detected in the lock structure policy: both the SIZE and INITSIZE values are zero.

User Action: Review the lock structure policy and make the necessary changes.

Cluster Processing Messages**ADAX74 WARNING: NOW IT IS TOO LATE TO COPY DDPLOGRn**

Explanation: Corresponds to the ADAN05 message at startup, but occurs during online recovery.

Adabas has begun to write data protection log data to the dataset identified by DD/PLOGRn. This means that the dataset can no longer be copied to tape for subsequent use as input to the REGENERATE or BACKOUT functions of the ADARES utility. A user exit 2 (dual log processing) or user exit 12 (multiple log processing) call either was not made or did not successfully copy the DD/PLOGRn dataset with the ADARES utility.

User Action: If the database is running without user exit 2, overwriting the PLOG data is normal and this message can be ignored.

If the database is running with user exit 2, this message occurs only when the user exit asks the nucleus to proceed even though the PLOG has not been copied. Whether this is an error or not depends on the logic the user has implemented in the user exit.

ADAX75 PROTECTION LOG PLOGRn STARTED

Explanation: Corresponds to the ADAN21 message at startup, but occurs during online recovery.

Adabas is now ready to begin writing data protection information to the dual or multiple data protection log identified by DD/PLOGRn.

User Action: Execute the PLCOPY function of the ADARES utility at this time to reinitialize the PLOGs.

ADAX76 NUCLEUS RUN WITH PROTECTION LOG nnnnn

Explanation: Corresponds to the ADAN02 message at startup, but occurs during online recovery.

The Adabas nucleus session has been initiated and database protection logging has been specified. Subsequent execution of the REGENERATE and BACKOUT functions of the ADARES utility for any updates applied during the session is possible.

ADAX77 IDTH PREFIX PROBLEM

Explanation: A query request to ADAMPM to get the address of the IDTH failed. The nucleus terminates abnormally.

User Action: This is an unexpected error. Contact your Software AG technical support representative.

ADAX78 ADACOM MUST BE RUN FIRST

Explanation: While trying to connect to the global lock area, ADASML detects that ADACOM is not running. The nucleus terminates abnormally.

User Action: Start ADACOM before starting the Adabas Parallel Services cluster nucleus.

ADAX80 ONLINE RECOVERY INITIATED

Explanation: An Adabas cluster nucleus initiated an online recovery process after it detected that a peer nucleus in the same cluster terminated abnormally. (Each surviving nucleus initiates its own online recovery process.) The online recovery process stops all ongoing work in the nucleus, performs a session autorestart (including the backout of all open transactions), or waits until a peer nucleus performs the session autorestart, and then resumes normal processing.

ADAX80 ONLINE RECOVERY IN PROGRESS

Explanation: A nucleus started while other nuclei that were already active in the same cluster were performing online recovery in response to a nucleus failure. The starting nucleus waits until the online recovery process completes and then continues with its start-up sequence.

ADAX80 {ONLINE SAVE | TRANS SUSPEND | ADAEND/HALT} PROCESS CANCELED

Explanation: In order to recover from the failure of a peer nucleus (online recovery), the nucleus canceled

- a running online save operation in which case the save operation fails;
- a running transaction suspension operation; or
- an ADAEND or HALT shutdown request, in which case the nucleus does not shut down after the recovery process has finished.

User Action: Either restart the save operation after the online recovery process has completed successfully; or issue another ADAEND or HALT request if you still want to shut down the nucleus.

ADAX81 WAITING FOR ACTIVE TRANSACTIONS TO FINISH

Explanation: When the online recovery process started, one or more transactions were active. The recovery process allows them to continue for a while in an attempt to bring them to normal completion.

ADAX82 ALL TRANSACTIONS FINISHED

Explanation: All transactions that were active when online recovery started have finished normally.

ADAX82 count ACTIVE TRANSACTION(S) INTERRUPTED

Explanation: A number of transactions indicated in the message were active when online recovery started but did not finish within the allotted time and were interrupted. They are backed out during online recovery. The affected users receive response code 9, subcode 18, for their next commands.

ADAX83 WAITING FOR ACTIVE COMMANDS TO FINISH

Explanation: When the online recovery process was ready to interrupt all ongoing work, one or more commands were still active. The recovery process allows them to continue for a short time in an attempt to bring them to normal completion.

ADAX84 ALL COMMANDS FINISHED

Explanation: All active commands that the online recovery process was waiting for have finished normally.

ADAX84 count ACTIVE COMMAND(S) INTERRUPTED

Explanation: A number of active commands indicated in the message did not finish within the allotted time and were interrupted. They are sent back to their respective users with response code 9, subcode 19. Their associated command IDs, if any, are deleted.

ADAX85 WAITING FOR ACTIVE I/OS TO FINISH

Explanation: When the online recovery process interrupted all ongoing work, one or more I/Os were active. The recovery process waits for these I/Os to finish.

ADAX86 ALL I/OS FINISHED

Explanation: All I/Os that the online recovery process was waiting for have finished.

ADAX87 WAITING FOR OUTSTANDING MESSAGES TO BE ANSWERED

Explanation: When the online recovery process interrupted all ongoing work, one or more internucleus commands were still due a response. The recovery process waits for the responses to arrive.

ADAX88 ALL OUTSTANDING MESSAGES ANSWERED

Explanation: All outstanding responses for internucleus commands that the online recovery process was waiting for have arrived.

ADAX89 SESSION AUTORESTART WILL BE DONE BY {THIS|PEER} NUCLEUS

Explanation: The session autorestart that is part of the online recovery process is performed either by this nucleus or by a peer nucleus, as indicated in the message.

ADAX90 RECOVERY SYNCPOINT syncpoint INITIATED

Explanation: If more than one nucleus remains active when a peer nucleus terminates abnormally, the surviving nuclei synchronize their online recovery processes using several syncpoints, which all nuclei must reach before recovery processing can continue.

This message indicates that the nucleus that performs the session autorestart is ready to proceed when all other nuclei have reached the respective syncpoint.

ADAX91 WAITING ON RECOVERY SYNCPOINT syncpoint

Explanation: The online recovery process is waiting for the nucleus that performs the session autorestart to initiate the recovery syncpoint indicated.

ADAX92 RECOVERY SYNCPOINT syncpoint REACHED

Explanation: All nuclei involved in the collaborative online recovery have reached the recovery syncpoint indicated. The recovery process proceeds.

ADAX93 BEGINNING SESSION AUTORESTART

Explanation: One of the nuclei surviving a peer failure (this nucleus) begins the key step of online recovery—the session autorestart.

ADAX94 SESSION AUTORESTART EXECUTED SUCCESSFULLY

Explanation: The session autorestart performed during online recovery was successful.

**ADAX95 SESSION AUTORESTART FAILED
ADAX95 RESPONSE CODE = response-code
ADAX95 FILE NUMBER = file-number
ADAX95 ALL ACTIVE NUCLEI WILL GO DOWN**

Explanation: The session autorestart performed during online recovery was not successful. It received the response code shown. If the response code was associated with a particular file, the file number is also shown.

This nucleus and all peer nuclei participating in the online recovery process will go down.

User Action: The situation is now equivalent to that after failure of session autorestart during nucleus session start. Determine why the session autorestart failed. Consider contacting your Software AG technical support representative.

**ADAX96 PEER NUCLEUS FAILED DURING ONLINE RECOVERY
ADAX96 THIS NUCLEUS GOES DOWN TOO**

Explanation: A second nucleus failure occurred while an online recovery process was in progress to handle the abnormal termination of a peer nucleus. All nuclei active in the Adabas cluster will go down.

User Action: Restart the Adabas cluster. Determine the reasons for the first and the second failure. Consider contacting your Software AG technical support representative.

**ADAX96 UTILITY WITH EXCLUSIVE DATABASE CONTROL IS ACTIVE
ADAX96 THIS NUCLEUS GOES DOWN TOO**

Explanation: A nucleus failure occurred while a utility with exclusive database control was running. All nuclei active in the Adabas cluster will go down.

User Action: Restart the Adabas cluster and perform appropriate recovery actions for the utility with exclusive database control.

**ADAX97 ONLINE RECOVERY COMPLETED SUCCESSFULLY
ADAX97 RESUMING NORMAL OPERATION**

Explanation: The online process set up to handle the abnormal termination of a peer nucleus finished successfully. The nucleus resumes normal operation.

ADAX98 RECEIVED RESPONSE CODE `rsp-code` FROM PEER NUCLEUS

Explanation: An online recovery process that was started to recover from the failure of one nucleus received a response code while communicating with another, still alive nucleus. All remaining active nuclei terminate.

User Action: Restart the nuclei. The first starting nucleus performs offline recovery (that is, session autorestart).

ADAX98 V2/xxx COMMAND RECEIVED rsp-rr/ss FROM NUCID nnn

Explanation: An internal command used for inter-nucleus communication encountered a messaging failure; it got the response code/subcode shown from the peer nucleus shown.

ADAX98 CANCELING PEER NUCLEUS WITH NUCID=nnn

Explanation: After a messaging failure during inter-nucleus communication that was due to an error on the receiver's side, the nucleus receiving the error indication has decided to cancel the peer nucleus causing the error. A subsequent online recovery process will recover from the forced failure of the peer nucleus.

AITMnn—VM/ESA Transaction Monitor Interface Messages

AITM01 ADAITM ABNORMALLY TERMINATED

Explanation: The background Adabas communications manager program ADAITM was unable to continue operation, perhaps because of a program error.

Action: Normally, the ADAITM program restarts automatically. However, if no OS/390, z/OS, and/or VSE/ESA Entire Net-Work nodes were active when the ABEND occurred, ADAITM could not continue operating. If nodes were active, the ADAITM links must be reconnected by the OS/390, z/OS, or VSE/ESA machine operator.

User Action: If you cannot determine the cause of the error, note all information (message number and contents, plus any other related information) and notify your system support personnel or your Software AG Adabas technical support representative.

AITM02 I/O ERROR err-num WRITING ADAITM RESTART FILE

Explanation: The error “err-num” occurred while VM/ESA was writing the error recovery program ADAITM on the A-disk, preventing automatic restart from continuing. This message usually follows the ADAM80 message; however, “err-num” is not the original cause of the failure.

Action: ADAITM logs off the Adabas communications manager (DBIDSERV), ABENDING all local Adabas nuclei in operation.

User Action: Try to determine the cause of both the original error and the error “err-num”. Restart the DBIDSERV communications manager and ADAITM.

AITM03 I/O ERROR err-num READING ADAITM RESTART FILE

Explanation: The error “err-num” occurred while VM/ESA was restarting the system using the ADAITM RESTART program. This message usually follows message ADAM80; however, “err-num” is not necessarily the cause of the original failure.

Action: ADAITM logs off the Adabas ID table manager (DBIDSERV), ABENDING all local Adabas nuclei in operation.

User Action: Find and correct the cause of both the original error and error “err-num”. Restart the DBIDSERV ID table manager and ADAITM.

AITM04 IUCV CONNECT ERROR err-num DURING ADAITM RESTART

Explanation: ADAITM was unable to reconnect to an active nuclei or user because of the CP internal communications (IUCV) error “err-num”. This message usually follows error message ADAM80; however, “err-num” is not necessarily the cause of the ADAM80 message.

Action: ADAITM logs off the ID table manager virtual machine, ABENDING all operating Adabas nuclei.

User Action: Correct the cause of the IUCV error and then restart the ID table manager and ADAITM.

AITM05 HX COMMAND ENTERED DURING ADAITM EXECUTION

Explanation: The VM/ESA console operator entered a halt execution (HX) command, abnormally terminating ADAITM.

Action: ADAITM logs off the ID table manager virtual machine, ABENDING all local Adabas nuclei.

User Action: Restart the ID table manager virtual machine, ADAITM, and all affected users.

AITM06 RECURSIVE ERROR CONDITION ENCOUNTERED

Explanation: An error causing abnormal termination of ADAITM reoccurred during restart.

Action: ADAITM logs off the ID table manager virtual machine, ABENDING all local Adabas nuclei.

User Action: Correct the ABEND cause, then restart the ID table manager virtual machine, ADAITM, and all affected users.

AITM07 TARGET-ID dbid action IN VMID vm-id CQH-FLAGS flags AT time

Explanation: An event related to a target with the database ID of “dbid” occurred in the virtual machine “vm-id”. “action” can be STARTed, ENDEd, or ABENDEd. This message appears only during an ADAITM event trace.

AITM08 COMMUNICATOR dbid action IN VMID vm-id AT time

Explanation: An event related to a communicator with the database ID of “dbid” occurred in the virtual machine “vm-id”. “action” can be STARTed, ENDEd, or ABENDEd. This message appears only during an ADAITM event trace.

AITM09 USER vm-id action AT time

Explanation: An event related to a user with the database ID of “dbid” occurred in the virtual machine “vm-id”. “action” can be STARTed, ENDEd, or ABENDEd. This message appears only during an ADAITM event trace.

AITM10 USER vm-id REQUESTED type TARGET-ID dbid IN vm-id AT time

Explanation: ADALNK issued a request for a virtual machine ID for a physical or logical target id of “dbid”. If the target was active, the virtual machine ID “vm-id” is displayed. This message appears only during an ADAITM event trace.

AITM11 COMMAND NOT RECOGNIZED

Explanation: An operator command entered at the VM/ESA console was not understood by ADAITM.

User Action: Check the command syntax and validity, then reenter the valid command.

AITM12 NO ACTIVE entity FOUND

Explanation: The VM/ESA console operator entered a LISTxxxx command to list all active entities, and none were found.

**AITM13 type TARGET dbid (target) ACTIVE IN VMID vm-id
CQH-FLAGS flags
IN VMID ON NODE node-name
ON LINK link-name**

Explanation: The Adabas nucleus or other local or remote target is active. Communication is through the virtual machine “vm-id” for local VM/ESA targets, or over the link to an Entire Net-Work communicator for remote targets. This message is in response to the ADAITM LISTTARG operator command entered from the VM/ESA console. “(target)” refers to the target type:

- C communicator
- D logical target
- I isolated
- N non-database target
- T translator

AITM14 USER PROGRAM ACTIVE IN VMID vm-id

Explanation: A user program has requested Adabas communication information from the virtual machine “vm-id”. The program is not necessarily still active. This message is in response to an ADAITM LISTUSER operator command entered from the VM/ESA console.

AITM15 NODE node-name (target-id) TARGETS: target-ids

Explanation: An Entire Net-work node “node-name” and the target ID of (target-id) is communicating with the ID table manager. The list of targets active on the node (target-ids) follows. This message appears in response to an ADAITM LISTNODE operator command entered from the VM/ESA console, and accompanies the message AITM21.

AITM16 LOGGING NOT ACTIVE

Explanation: A LISTLOG or RESET VM/ESA operator command was entered, but event logging was not active.

Action: Activate event logging.

AITM17 COMMAND command ACCEPTED

Explanation: A DISPON, DISPOFF, LOGON, or LOGOFF VM/ESA operator console command was entered.

AITM18 LOG IS CURRENTLY EMPTY

Explanation: The operator entered a LISTLOG command from the VM/ESA console, but the logging area was empty.

Action: Ensure that the logging options are correctly specified, and that enough time has gone by for logging to occur. Reissue the LISTLOG command.

AITM19 LOG AREA HAS BEEN RESET

Explanation: A RESET operator command was issued at the VM/ESA console. The logging area pointer has been reset.

AITM20 LINK link-name TO NODE node-name STAT=status

Explanation: This message is a response to the ID table manager LINKLIST operator command. The Entire Net-Work link “link-name” connected to the node “node-name” has the current status of “status”. The name of the link is set by the ID table manager to the VMID of the virtual machine running the Entire Net-Work node. The status values and meanings are:

- 00 Link not open
- 01 Link opened
- 02 Connection has started
- 03 Connection is waiting
- 04 Connection has failed
- 05 Connection completed
- 06 Handshaking conflict
- 07 First handshaking message has been sent
- 08 Second handshaking message has been sent
- 09 Internal status during handshaking
- 10 Link is active for payload traffic
- 11 Link operation suspended
- 12 Disconnect required at remote end
- 13 Link disconnected

AITM21 NODE node-name DIST distance VIA LINK link-name

Explanation: This message is a response to an ADAITM LISTNODE operator command. An Entire Net-Work node is now active and can be reached over the link “link-name”. The distance in links is specified by “distance”, and is the sum of the weight parameters specified along the path.

AITM22 NODE vm-id action AT time

Explanation: An event related to a node occurred in the virtual machine “vm-id”. “action” can be CONNECTed, ABORTed, or REJECTed. This message appears only during an ADAITM event trace.

Action: This message is for your information, and does not necessarily require action.

AITM23 REMOTE TARGET dbid (target) function ON NODE node-name AT time

Explanation: The ID table manager received an Entire Net-Work message saying that the target database “dbid” and the type target “(target)” either started or ended on the designated node “node-name” at the specified time.

AITM24 PROBE type dbid RECEIVED ON LINK link-name FROM NODE node-id AT time

Explanation: The ID table manager received an Entire Net-Work probe message. The message was issued by the node “node-id”, and was either a probe for a target or for the node “type” on “dbid”.

AITM25 NODE ADDRESS CONSTANTS COULD NOT BE RESOLVED, INCOMPATIBLE VERSIONS

Explanation: The ID table manager (ADAITM) and Entire Net-Work component for VM/ESA (NETITM) versions are incompatible. The ID table manager terminated abnormally (ABENDED).

Action: Check to ensure that the correct TXTLIBs are being used, then restart the ID table manager.

AITM26 NODE NO RESTART OPTION SPECIFIED, ID-TABLE MACHINE LOGGED OFF

Explanation: The ID table manager received a program check, and the restart option was not specified. The ID table manager terminated abnormally (ABENDEd) and automatically also terminated all VM/ESA nuclei by logging itself off.

Action: Obtain a copy of the dump output produced when the program check occurred. Restart the ID table manager. Contact Software AG technical support for assistance.

AITM27 LINK link-name SEVERED DUE TO MESSAGE LIMIT OVERFLOW

Explanation: An Entire Net-Work message intended for an adjacent node over the link “link-name” could not be transmitted because the maximum number of pending messages for the IUCV path was exceeded. The system breaks the link.

Action: Reconnect the link from the Entire Net-Work node manually, using the CONNECT operator command. Then, increase the MSGLIMIT parameter on either the LINK or the IUCV statement in the CP directory of the related virtual machines.

AITM28 NO ERROR MESSAGES AVAILABLE

Explanation: No Entire Net-Work messages are available to be displayed; the NETITM MSGS file is empty.

AITM29 FSREAD ERROR fs-code READING ERROR MESSAGE FILE

Explanation: The error code “fs-code” was returned by VM/ESA file services while attempting to read the NETITM MSGS file. The LISTMSG operator command is terminated.

Action: Refer to the VM/ESA documentation for a detailed description of the error.

**AITM30 NODE node-name IN VMID vm-id DEACTIVATED PATH, TID target-id
AT time**

Explanation: An Adabas command to the remote node “node-name” was rerouted because the original path chosen by the ID table manager no longer led to the required target “target-id”.

APSPSXnnnn—ADA ECS or ADATCP Messages

The informational messages beginning with APSPSX are ADA ECS (Conversion Services) or ADATCP (TCP/IP interface) messages from the ISE/POSIX subsystem that occur when running the nucleus. The same messages appear with ADACMP and other programs that call the modules ADA ECS or ADATCP.

**APSPSX0008 {ADA ECS | ADATCP} ISE/POSIX Vvrs SYSTEM INITIALIZED
NUCLEUS SIZE bytesK BYTES**

Explanation: The ISE/POSIX subsystem has been successfully initialized.

**APSPSX0012 {ADA ECS | ADATCP} ISE/POSIX {CDI PH FILE | Vvrs} SYSTEM
TERMINATED**

Explanation: The ISE/POSIX subsystem server has terminated.

**APSPSX0015 {ADA ECS | ADATCP} ISE/POSIX Vvrs INITIALIZATION IN
PROGRESS**

Explanation: The ISE/POSIX subsystem server has started its initialization processing.

**APSPSX0027 {ADA ECS | ADATCP} INITIALIZING WITH CONFIGURATION
'PAANCONF'**

Explanation: Indicates the ISE/POSIX subsystem configuration module being used.

**APSPSX0036 {ADA ECS | ADATCP} GLOBAL ENVIRONMENT VARIABLES
PROCESSED SUCCESSFULLY**

Explanation: The global environment variable file of the ISE/POSIX subsystem was processed successfully and the global environment variables specified in the file were successfully defined.

APSPSX0049 REQUIRED CONFIGURATION PARAMETER parameter MISSING OR INVALID

Explanation: During the initialization of a CDI protocol driver, a required configuration parameter was missing or invalid. This initialization cannot proceed.

Action: Add or correct the specified parameter and restart the nucleus. See the *Adabas Installation Manual* for more information.

APSPSX0050 {ADA ECS | ADATCP} ISE/POSIX CDI file PROTOCOL INITIALIZED

Explanation: The ISE/POSIX subsystem CDI protocol driver implementing the 'file' protocol was successfully initialized.

CWARn-nnn—Caching Facility Error Messages

When errors are detected during the processing of the input statements, the appropriate warning message is displayed indicating the cause of error. The remaining portion of the statement is ignored and processing continues with the next statement. All input statements and warning messages are displayed only on DD/PRINT.

Note:

Messages generated during Adabas Caching Facility operations are documented in the section Adabas Console Messages (ADANnn) starting with ADAN80 on page 33.

CWARn-126 ILLEGAL RABN RANGE, OVERLAPPING EXTENTS

Explanation: A CASSOxxx or CDATAxxx parameter specified a RABN range that overlaps a previously specified RABN range. Adabas Caching Facility ignores this latest RABN range.

CWARn-127 ILLEGAL STARTING/ENDING RABNS

Explanation: A CASSOxxx or CDATAxxx parameter specified an invalid RABN; that is, a RABN equal to zero, or an ASSO RABN range that falls entirely within the restricted ASSO RABNs 1–30.

CWARn-128 RETRY < 60, SETTING TO 60

Explanation: The CRETRY parameter must be set between 60 and 2,147,483,647. The specified value is less than 60; the default is 60.

CWARn-129 RABN(S) OUTSIDE OF GCB, RABN(S) IGNORED

Explanation: A CASSOxxx or CDATAxxx parameter specified a RABN range that exceeded the highest RABNs contained in the GCB. Adabas Caching Facility ignores the remaining parameters that specify RABN ranges.

CWARN-130 A/D DSS < 81,920, USING DEFAULT SIZE

Explanation: A CASSOMAXS or CDATAMAXS parameter specified a value less than 81,920. The default for CASSOMAXS or CDATAMAXS is used.

CWARN-131 CRETRY > 2,147,483,647, SETTING TO MAXIMUM

Explanation: The CRETRY parameter must be set between 60 and 2,147,483,647. The specified value is greater than the maximum; the default is the maximum 2,147,483,647.

CWARN-132 CWORK2FAC/CWORK3FAC CANNOT EXCEED 100

Explanation: The percentage factor cannot exceed 100 percent. The invalid factor is ignored, and the default 0 is taken.

CWARN-133 CMAXCSPS > 16, SETTING TO 16

Explanation: The CMAXCSPS parameter must be set between 1 and 16. The specified value is greater than 16; the default is 16.

CWARN-134 INCORRECT CSTO OR CWORKSTO STORAGE TYPE

Explanation: A CSTORAGE or CWORKSTORAGE parameter did not specify extended memory, data space, hiperspace, or 64-bit virtual storage. If the error occurred for CSTORAGE, no storage type is established. If the error occurred for CWORKSTORAGE, the default type of DATASPACE is established.

CWARN-135 CBUFNO INVALID IN SMP OR SYSPLEX

Explanation: The CBUFNO parameter is not supported in an Adabas Parallel Services or an Adabas Cluster Services environment. Adabas Caching Facility ignores the parameter.

CWARN-136 CEXCLUDE INVALID IN SMP OR SYSPLEX

Explanation: The CEXCLUDE parameter is not supported in an Adabas Parallel Services or an Adabas Cluster Services environment. Adabas Caching Facility ignores the parameter.

CWARN-140 FILE CACHING PARAMETER ERROR; INVALID xxxx

Explanation: While processing a request to start caching for a file, an error was encountered in the data supplied on the request. This can be caused by errors in CFILE parameters, CFILE operator commands, or operator requests. The request is rejected and the file is not cached.

xxxx description of error as follows:

| | |
|------------------|--|
| File number | file number does not exist |
| Scope | the scope is not ASSO, DATA, or BOTH |
| Class of service | the class is not 1 through 5 |
| Cache type | the type is not extended memory, data spaces, hiperspace, or 64-bit virtual storage. |

Note:

Virtual 64 and hiperspace are not available in all environments and, if requested, may generate the above error.

Action: Correct the invalid CFILE parameter, correct the CFILE operator command, and reissue it or issue a valid Adabas Online System request.

DSFnnn—Delta Save Facility Messages

This section lists and describes all messages that can occur when operating the Adabas Delta Save Facility.

For messages displayed on the operator console, each line begins with the message number followed by the database ID. For messages returned in the job protocol, the message number occurs only once and the database ID is not displayed.

Nucleus-Related Console Messages

This section lists and describes all messages displayed by the Delta Save Facility during an Adabas nucleus session. These messages all appear on the operator console.

DSF001 RUNNING WITH DELTA SAVE FACILITY

Explanation: The nucleus has been started with ADARUN parameter DSF=YES. Delta Save functions can be performed in this nucleus session.

DSF002 THE DSF LOGGING AREA IS NOT INSTALLED

Explanation: This is a Delta Save Facility status message. Delta save operations require a Delta Save logging (DLOG) area, which must be created.

User Action: To run with Delta Save, use the Adabas Online System “Install DSF” function to define the logging area.

DSF003 DSF LOGGING IS DISABLED

Explanation: This is a Delta Save Facility status message. Delta save operations are not possible.

DSF004 DSF LOGGING IS ENABLED

Explanation: This is a Delta Save Facility status message. Delta save operations are possible in this status.

DSF005 **count DLOG AREA BLOCKS OUT OF total USED (nn%)**
DSF005 **PENDING DLOG AREA OVERFLOW; PERFORM DELTA SAVE**
OPERATION

Explanation: This message indicates how much of the Delta Save logging (DLOG) area is being used. The second line of the message is only printed if the DLOG area usage is 90 percent or more; that is, nearly full. If the area overflows, delta save operations will no longer be possible.

User Action: If DLOG area overflow is pending, perform a delta save operation before the area overflows.

DSF006 **DSF LOGGING AREA NOT INITIALIZED;**
DSF006 **REINSTALL THE DLOG AREA**

Explanation: Initialization of the Delta Save logging (DLOG) area was interrupted. The DLOG area must be installed again.

User Action: Remove the DLOG area and install it again.

DSF007 **DSF LOGGING AREA NOT INITIALIZED;**
DSF007 **DSF LOGGING NOT ENABLED AT END OF SAVE**

Explanation: Initialization of the Delta Save logging (DLOG) area was interrupted. An online full save operation was completed but Delta Save logging was not enabled at the end of the save. Delta save operations are still not possible.

User Action: Remove the DLOG area and install it again. Perform another full save operation.

DSF008 **I/O INITIATED BY DELTA SAVE FACILITY:**
DSF008 **read-count READS, write-count WRITES**

Explanation: This message, which is printed during shutdown of the Adabas nucleus, indicates the number of I/O operations initiated by Delta Save during the current nucleus session.

DSF011 ONLINE FULL SAVE OPERATION COMPLETED

Explanation: Unless this message is displayed, an online full save operation with the Delta Save Facility is not successful, even though ADASAV may have already closed the output save dataset.

Action: The Delta Save logging area is reset. If Delta Save logging was disabled, it will be enabled.

DSF012 ONLINE DELTA SAVE OPERATION COMPLETED

Explanation: Unless this message is displayed, an online delta save operation is not successful, even though ADASAV may have already closed the output save dataset.

Action: The Delta Save logging area is reset.

DSF013 DELTA SAVE ID = fsnum / dsnum / date-time

Explanation: This message follows messages DSF005, DSF011, or DSF012. It displays the delta save identification of the most recent completed full or delta save operation. “fsnum” is the full save number, and “dsnum” is the number of the delta save operation.

DSF014 DSF LOGGING HAS BEEN ENABLED

Explanation: This message follows messages DSF011 and DSF013 if Delta Save logging was previously disabled. It was enabled at the end of the operation. Delta save operations are now possible.

DSF015 DISABLE DSF REQUESTED BY AOS COMMAND

Explanation: A “Disable DSF” command was issued by Adabas Online System.

Action: Delta Save logging will be disabled.

DSF016 DSF LOGGING HAS BEEN DISABLED

Explanation: The reason for this follows from a preceding message. Delta save operations are no longer possible.

User Action: Perform a full save operation before retrying a delta save operation.

DSF017 INITIALIZING THE DSF LOGGING AREA

Explanation: An “Install DSF” or “Change DLOG Area” command has been issued through Adabas Online System.

Action: The Delta Save logging area is now being initialized. Message DSF018 indicates that initialization is complete.

DSF018 THE DSF LOGGING AREA HAS BEEN { INSTALLED | CHANGED }

Explanation: An “Install DSF” or “Change DLOG Area” command was completed.

DSF019 THE DSF LOGGING AREA HAS BEEN REMOVED

Explanation: A “Remove DSF” command was performed, or the nucleus was started with DSF=NO and has removed the Delta Save logging area.

DSF020 DSF LOGGING AREA OVERFLOW

Explanation: The volume of changes made to the database exceeded the capacity of the Delta Save logging (DLOG) area. The DLOG area is full. No more delta save operations are possible.

Action: Delta Save logging will be disabled.

User Action: Perform a full save operation before retrying a delta save operation. Increase the DLOG area or the frequency of delta save operations in order to avoid future DLOG area overflow.

DSF021 I/O ERROR { READING | WRITING } DLOG RABN rabn

Explanation: An I/O error occurred within the Delta Save logging (DLOG) area on the specified Associator RABN.

Action: If Delta Save logging is enabled, it will be disabled.

User Action: Determine the cause of the I/O error and eliminate it. Remove the DLOG area and install it again.

DSF022 FATAL I/O ERROR { READING | WRITING } DLOG HEADER RABN rabn***Warning:***

Do not try to execute a delta save operation if this error occurs. Even though the delta save may end successfully, the output may be invalid.

Explanation: An I/O error occurred on the first block (the specified RABN) of the Delta Save logging (DLOG) area.

Action: The Delta Save Facility terminates the nucleus abnormally.

User Action: Determine the cause of the I/O error and eliminate it. Remove the DLOG area and install it again.

DSF023 DLOG AREA HEADER RABN rabn BAD (#rr)**DSF023 REINSTALL DLOG AREA**

or

DSF023 DLOG AREA DETAIL RABN rabn BAD (#rr AT +xxxx)**DSF023 REINSTALL DLOG AREA**

Explanation: An inconsistency was detected in the specified block (“rabn”) of the Delta Save logging (DLOG) area. “rabn” is the Associator block number, “rr” is an internal reason code, “xxxx” the offset within the block where the error appeared.

Action: If Delta Save logging is enabled, it will be disabled.

User Action: Determine the cause of the problem; consult your Software AG technical support representative if necessary. Remove the DLOG area and install it again.

DSF024 INCONSISTENT DELTA SAVE ID IN DLOG RABN rabn

Explanation: An inconsistency was detected in the specified block (“ravn”) of the Delta Save logging (DLOG) area. “ravn” is the Associator block number.

Action: If Delta Save logging is enabled, it will be disabled.

User Action: Determine the cause of the problem; consult your Software AG technical support representative if necessary. Remove the DLOG area and install it again.

DSF025 DSF LOGGING NOT DISABLED BECAUSE READONLY=YES

Explanation: An attempt to disable Delta Save logging failed because the nucleus was started with READONLY=YES.

Action: Another attempt will be made to disable Delta Save logging in the next nucleus session.

User Action: Shut down the nucleus and restart it with READONLY=NO so that Delta Save logging can be disabled.

DSF026 UNLOGGED RABN(S) DETECTED: type start-ravn end-ravn

Explanation: An internal cross-check detected that database blocks were written that had not been logged by Delta Save. The type (Asso/Data) and range of RABNs written are displayed.

Action: Delta Save logging will be disabled.

User Action: This is a serious problem. Contact your Software AG technical support representative. Perform a full save operation before retrying a delta save operation.

DSF027 INSUFFICIENT MEMORY (TRYING TO ALLOCATE count BYTES)

Explanation: The Delta Save Facility was not able to obtain sufficient memory for its operation. The number of bytes of memory specified by “count” were requested.

Action: The start of the nucleus session is ended.

User Action: Increase the region/partition of the nucleus job/task or decrease the memory requirements derived from the nucleus parameters.

DSF028 DSF VERSION MISMATCH; REINSTALL DLOG AREA

Explanation: The version of the Delta Save Facility software and the version of the Delta Save logging (DLOG) area are different and incompatible.

Action: If Delta Save logging is enabled, it will be disabled.

User Action: Remove the DLOG area and install it again.

DSF028 CONVERTING FROM DSF xx TO DSF yy

Explanation: The format of the Delta Save logging (DLOG) area is converting from version “xx” to version “yy”. This occurs during conversion of an older Adabas version to a newer one.

Action: Depending on the versions of the Delta Save Facility (that is, “xx” and “yy”), Delta Save logging may be disabled if it is enabled.

User Action: If Delta Save logging is disabled, perform a full save operation before retrying a new delta save operation.

DSF029 DSF INTERNAL ERROR AT ADADSFN + offset (reason-code)

DSF029 R0-R3 xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx

DSF029 R4-R7 xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx

DSF029 R8-R11 xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx

DSF029 R12-R15 xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx

Explanation: An internal error occurred at the specified “offset” in module ADADSFN. “reason-code” is an internal reason code. The register settings at the time of the error are shown.

Action: If Delta Save logging is enabled, it will be disabled.

User Action: Consult with your Software AG technical support representative to determine the cause of the problem. Perform a full save operation before retrying a delta save operation.

DSF02A PERCENTAGE ERROR IN DSF USER EXIT; nn% IS USED

Explanation: The DSF user exit returned an invalid threshold value (percentage of DLOG area usage at or above which Adabas is to call the exit).

Action: Adabas calls the DSF user exit when the usage of the DLOG area is **nn%** or more.

DSF02C CURRENT DLOG BLOCK NOT FOUND IN CACHE, READ FROM DISK

Explanation: The DLOG block currently referenced is not in the coupling facility cache structure and must be read anew from the disk datasets.

DSF02C CURRENT DLOG BLOCK WRITTEN TO CACHE

Explanation: The DLOG block currently referenced is already held in the coupling facility cache structure.

DSF02D WRITE OF CURRENT DLOG BLOCK TO CACHE FAILED

Explanation: An attempt to write the DLOG block currently referenced from a disk dataset to the coupling facility cache structure failed. Probably, the cache structure is full.

User Action: Enlarge the size of the cache.

Utility-Related Job Protocol Messages for ADARES and ADASAV

The messages in this section are displayed by the Delta Save Facility during ADARES or ADASAV utility execution. They can occur in Adabas utility operations, either as direct utility messages or as the result of utility-related nucleus operation.

Most messages appear in the utility job protocol (DD/DRUCK or SYSLST); others appear in the ADARUN protocol (DD/PRINT, SYS009 or SYSOUT). A few messages appear in the utility job protocol as well as on the operator console; this is indicated in the explanation of these messages.

Note:

Messages begin with the relevant database ID when they are written to the operator console.

DSF030 DSIM DATASET OMITTED FROM PLCOPY PROCESSING

Explanation: The ADARUN parameter DSF=YES was specified for a PLCOPY execution but no Delta Save images (DSIM) dataset was supplied in the job control.

Action: None. No online save information is extracted from the protection log.

User Action: If Delta Save online save and merge operations are to be performed, specify a DSIM dataset for the PLCOPY executions.

**DSF031 SYN1 CHECKPOINT ENCOUNTERED ON PROTECTION LOG
PLOGNUM=plog-number BLOCKNUM=rabn**

Action: A SYN1 checkpoint (online save start) was found on the protection log. The protection log number is “plog-number”, the SYN1 block number is “rabn”.

Explanation: The Delta Save Facility starts extracting online save information from the protection log and writing it to the Delta Save images (DSIM) dataset.

**DSF032 SYN2 CHECKPOINT ENCOUNTERED ON PROTECTION LOG
PLOGNUM=plog-number BLOCKNUM=rabn**

Explanation: A SYN2 checkpoint (online save end) was found on the protection log. The protection log number is “plog-number”, the SYN2 block number is “rabn”.

Action: The Delta Save Facility stops extracting online save information from the protection log. The Delta Save images (DSIM) dataset is marked ready for merge.

**DSF033 SYN1 CHECKPOINT IGNORED ON PROTECTION LOG.
PLOG AND BLOCK NUMBERS DIFFERENT FROM PARAMETERS
CHECKPOINT FOUND HAS PLOGNUM=plog-number,
SYN1=block-number**

Explanation: A SYN1 checkpoint (online save start) was found on the protection log. The protection log number is “plog-number”, the SYN1 block number is “block-number”. These values are different from the PLOGNUM and SYN1 parameters specified for the COPY function.

Action: The Delta Save Facility does not start extracting online save information from the protection log. The SYN1 checkpoint is ignored.

**DSF033 SYN1 CHECKPOINT IGNORED ON PROTECTION LOG
DSIM DATASET ALREADY COMPLETED**

Explanation: A SYN1 checkpoint (online save start) was found on the protection log but the Delta Save images (DSIM) dataset is by now ready for merge.

Action: The SYN1 checkpoint is ignored.

**DSF033 SYN1 CHECKPOINT IGNORED ON PROTECTION LOG
DSIM DATASET STATUS INCORRECT: status-code**

Explanation: A SYN1 checkpoint (online save start) was found on the protection log but the Delta Save images (DSIM) dataset is not in a correct status. The current DSIM status “status-code” is shown.

Action: The SYN1 checkpoint is ignored.

User Action: Rebuild the DSIM dataset using the ADARES COPY function.

**DSF033 SYN1 CHECKPOINT IGNORED ON PROTECTION LOG
ONLINE SAVE OPERATION STARTED AFTERWARDS**

Explanation: A SYN1 checkpoint (online save start) was found on the protection log but was written before the start of the online save operation associated with the DSIM dataset. Therefore, the checkpoint does not indicate the start of the online save operation for which information is to be extracted from the protection log.

Action: The SYN1 checkpoint is ignored.

User Action: None. If there is only one SYN1 checkpoint on the protection log to be copied and the message cannot be otherwise explained, check whether the Adabas nucleus and the ADASAV utility that is executing the online save operation were running on different machines or on different divisions of the same machine. If so, ensure that the local times of these two machines or divisions are accurately synchronized.

DSF036 DSIM DATASET OPENED WITH STATUS: status

Explanation: (printed on the ADARUN protocol) The Delta Save images (DSIM) dataset has been opened. Its current status is shown.

DSF037 DSIM DATASET STATUS CHANGED TO: status

Explanation: (printed on the ADARUN protocol) The Delta Save images (DSIM) dataset status has been changed to the new one shown.

DSF038 DSIM DATASET CLOSED WITH STATUS: status

Explanation: (printed on the ADARUN protocol) The Delta Save images (DSIM) dataset has been closed. Its current status is shown.

**DSF039 DSIM DATASET COMPLETED
DSIM DATASET STATISTICS:
nn% FULL
asso-count ASSO BLOCK IMAGES WRITTEN
data-count DATA BLOCK IMAGES WRITTEN
ac-count NEW AC BLOCKS RECORDED**

Explanation: The Delta Save images (DSIM) dataset has been completed and marked ready for merge. Statistics displayed include

- its percentage of use;
- the number of Asso and Data block images contained in the DSIM dataset (block counts do not differentiate several images of the same block); and
- the number of address converter blocks allocated during the associated online save operation and recorded in the DSIM dataset.

DSF040 [dbid] WAITING FOR DSIM DATASET

Explanation: This message, which is printed on the operator console with a “dbid” and on the ADARUN protocol without a “dbid”, indicates that the Delta Save images (DSIM) dataset is not yet ready for merge. The DSIMWAIT parameter has been specified to wait for the completion of the DSIM dataset.

Action: The Delta Save Facility waits until the DSIM dataset is ready for merge, or until the maximum wait time (DSIMWAIT) has been exceeded.

DSF041 DSF LOGGING AREA nn% FULL AT BEGIN OF SAVE

Explanation: This message indicates how much of the Delta Save logging (DLOG) area is already being used at the beginning of a delta save operation.

DSF042 [dbid] {OFFLINE | ONLINE} {FULL | DELTA} SAVE OPERATION COMPLETED DSID= fsnum / dsnum / date-time

Explanation: The specified type of save operation was completed successfully. The ID of the delta save operation (DSID) is displayed: “fsnum” and “dsnum” are the numbers of the full and delta save operation, respectively.

For an offline save operation, this message is also written to the operator console with a “dbid”. For an online save, the Adabas nucleus writes equivalent information in the DSF011–DSF013 messages.

Action: For an offline save operation, the Delta Save logging (DLOG) area is reset. For a full save operation, if Delta Save logging was disabled, it will be enabled

- by ADASAV for an offline save operation; or
- by the nucleus for an online save operation.

DSF043 [dbid] DSF LOGGING ENABLED BY OFFLINE FULL SAVE

Explanation: This message occurs following message DSF042. delta save operations are now possible. Unless this message is displayed, an offline full save operation with the Delta Save Facility is not successful, even though ADASAV may have already closed the output save dataset.

This message is also written to the operator console with a “dbid”.

**DSF044 DELTA SAVE STATISTICS:
asso-count ASSO BLOCKS TO BE SAVED
data-count DATA BLOCKS TO BE SAVED**

Explanation: (printed at the beginning of a delta save operation) The number of Associator and Data Storage blocks to be saved.

DSF045 INPUT {OFFLINE | ONLINE} {FULL | DATA} SAVE TAPE OPENED
DSID= fsnum / lowdsnum-hidsnum / date-time

Explanation: In a MERGE or RESTORE DELTA operation, an input save dataset with the stated delta save identification was opened. “fsnum” is the full save number; “lowdsnum” the low delta save number, and “hidsnum” the high delta save number of the save dataset.

DSF045 INPUT {OFFLINE | ONLINE} DELTA SAVE TAPE OPENED
(CONCATENATED)
DSID= fsnum / lowdsnum-hidsnum / date-time

Explanation: In a MERGE or RESTORE DELTA operation, an input delta save dataset with the stated delta save identification was opened. The delta save dataset was concatenated to another delta save dataset. “fsnum” is the full save number; “lowdsnum” the low delta save number, and “hidsnum” the high delta save number of the save dataset.

DSF045 INPUT ONLINE DELTA SAVE TAPE OPENED (UNLOADED DSIM)
DSID= fsnum / dsnum / date-time

Explanation: In a MERGE or RESTORE DELTA operation, an input online delta save dataset with the stated delta save identification was opened. The delta save dataset is an unloaded DSIM dataset. “fsnum” is the full save number; “dsnum” the delta save number of the save dataset. If the originating DSIM dataset was (re)built from the PLOG using the ADARES COPY function, the DSID is unknown and shown as zeros.

DSF046 RESTORE DELTA WITHOUT FULL SAVE INPUT
DSID OF DATABASE = fsnum / hidsnum / date-time

Explanation: In a delta restore operation without full save input the database has the stated delta save identification. The associated full and delta save datasets were restored previously. The value “fsnum” denotes the full save number, “hidsnum” is the highest delta save number of the save datasets already restored.

**DSF047 [dbid] OUTPUT OFFLINE {FULL | DELTA} SAVE TAPE COMPLETED
DSID= fsnum / lowdsnum-hidsnum / date-time**

Explanation: In a MERGE operation, the indicated output save dataset has been completed. Its delta save identification is shown. “fsnum” denotes the full save number. “lowdsnum” is the low delta save number and “hidsnum” is the high delta save number.

This message is also written to the operator console with a “dbid”.

**DSF047 [dbid] OUTPUT ONLINE DELTA SAVE TAPE COMPLETED
(UNLOADED DSIM)
DSID= fsnum / dsnum / date-time**

Explanation: In a MERGE operation, an unloaded DSIM delta save dataset with the delta save identification shown has been written. “fsnum” denotes the full save number; “dsnum” is the delta save number. If the originating DSIM dataset was (re)built from the PLOG using the ADARES COPY function, the DSID is unknown and shown as zeros.

This message is also written to the operator console with a “dbid”.

**DSF048 [dbid] RESTORE OF {(MERGED) FULL | (CONCATENATED) DELTA}
SAVE TAPE [(S)] COMPLETED
RESTORED DELTA SAVE ID= fsnum/lowdsnum-hidsnum/date-time**

Explanation: A phase of a delta restore operation has been completed. One or more save tapes have been restored. Their combined delta save identification is shown. A subsequent delta restore operation without full save input may begin with the delta save dataset that has the next higher delta save identification. “fsnum” is the full save number. The value “lowdsnum” is the low delta save number, and “hidsnum” is the high delta save number.

This message is also written to the operator console with a “dbid”.

DSF049 DSIM DATASET STATISTICS:
asso-count ASSO BLOCKS PRESENT
data-count DATA BLOCKS PRESENT

Explanation: This message is printed when the Delta Save images (DSIM) dataset is examined and matches one of the online save input datasets. It is also printed when the DSIM dataset is to be unloaded. The DSIM dataset contains “asso-count” different Associator blocks and “data-count” different Data blocks to take part in the operation.

DSF050 DSF LOGGING AREA NOT INSTALLED

Explanation: Without a Delta Save logging (DLOG) area installed and Delta Save logging enabled, it is not possible to perform delta save operations.

Action: The delta save operation is abnormally terminated.

User Action: Use Adabas Online System to install a DLOG area and perform a full save operation to enable Delta Save logging.

DSF051 DSF LOGGING NOT ENABLED

Explanation: Delta Save logging must be enabled before delta save operations are possible.

Action: The attempted delta save operation is abnormally terminated.

User Action: Perform a full save operation to enable Delta Save logging.

DSF052 DSIM DATASET OMITTED FROM ONLINE SAVE OPERATION

Explanation: When running with Delta Save (ADARUN parameter DSF=YES is specified), a Delta Save images (DSIM) dataset must be provided for an online full or delta save operation.

Action: The online save operation is abnormally terminated.

User Action: Supply a DSIM dataset for the online save operation or perform the save operation offline.

DSF053 DSIM DATASET NOT READY FOR SAVE

Explanation: The Delta Save images (DSIM) dataset must be “not in use” to be eligible for a Delta Save Facility online save operation. The current status of the DSIM dataset is different, as shown.

Action: The online save operation is abnormally terminated.

User Action: Determine whether the DSIM dataset is required for merging a previously created online save tape. If not, reset the DSIM dataset (using ADAFRM function DSIMRESET) and rerun the save operation.

DSF054 ONLINE SAVE FAILED AT ET SYNCHRONIZATION

Explanation: Execution of ET-synchronization at the end of the online save operation was not successful. The Delta Save logging (DLOG) area was not reset. Delta Save logging remains disabled if it was disabled before, or enabled if it was enabled before. A subsequent ADASAV error message indicates the nucleus response code for the failed ET-synchronization.

Although it has already been closed, the created save dataset **must not** be used for later merge or restore operations.

Action: The online save operation is abnormally terminated.

User Action: Eliminate the cause of the error and rerun the online save operation.

DSF055 ONLINE SAVE SUCCESSFUL IN SPITE OF NUCLEUS RESPONSE

Explanation: Execution of ET-synchronization at the end of the online save operation was successful. The Delta Save logging (DLOG) area was reset. Afterwards, an error occurred and caused a nucleus response code to be returned to ADASAV. A subsequent ADASAV error message indicates the response code returned by the nucleus. If Delta Save logging was disabled before, it has been enabled.

Action: ADASAV prints an error message but continues operation. When terminating normally, it will set condition code 4.

User Action: The created save tape is valid and may not be dropped if delta save operations are to follow later on. Otherwise the succeeding delta save datasets cannot be merged and/or restored.

DSF057 UNLOADING DSIM DATASET

Explanation: Only the DSIM dataset has been specified for processing. No full or delta save input dataset has been supplied.

Action: ADASAV unloads the DSIM dataset to the sequential output save dataset and frees the DSIM dataset for the next online save operation.

**DSF058 [dbid] FULL SAVE TAPE RESTORED—DSF LOGGING ENABLED
RESTORED DELTA SAVE ID = fsnum / lowdsnum – hidsnum /
date-time**

Explanation: A full save tape created by the Delta Save Facility was restored. The delta save identification of the restored database is shown. “fsnum” is the full save number; “lowdsnum” is the low delta save number; and “hidsnum” is the high delta save number of the save datasets restored.

This message is also written to the operator console with a “dbid”.

Action: Delta Save logging was enabled in the restored database.

User Action: The next save operation can be a delta save. Its result can be merged with the full save that was input to the restore operation.

DSF059 REMOVING DSF LOGGING AREA (DSF=NO SPECIFIED)

Explanation: A full save created by the Delta Save Facility is to be restored but the ADARUN parameter DSF=NO has been specified.

Action: The Delta Save logging (DLOG) area will be removed. The restore operation continues normally.

User Action: None required. If the restored database is to be run with the Delta Save Facility, install the DLOG area again.

DSF060 INSUFFICIENT INPUTS FOR MERGE OR RESTORE DELTA

- Explanation:* The input dataset requirements for
- functions MERGE and RESTORE DELTA: at least one full or delta save dataset must be supplied.
 - unloading the DSIM dataset (function MERGE): only the DSIM dataset must be supplied. No full or delta save input is allowed.
- Action:* The MERGE or RESTORE DELTA operation is abnormally terminated.
- User Action:* Supply suitable input datasets. If the function is RESTORE DELTA, rerun the job with RESTORE instead of RESTORE DELTA.

DSF061 INPUT SAVE TAPE COMING FROM WRONG DATABASE

- Explanation:* In a merge or delta restore operation, the database ID of an input save dataset is different from that specified in the ADARUN DBID parameter. Both database IDs are shown.
- Action:* The merge or delta restore operation is abnormally terminated.
- User Action:* Supply the proper save tape or correct the ADARUN DBID parameter.

DSF062 INVALID SPECIFICATION OF INPUT DATASETS IN JCL/JCS

- Explanation:* In a merge or delta restore operation, the input save datasets are **not** specified correctly:
- a delta save dataset is supplied instead of a full save dataset;
 - a full save dataset is supplied instead of a delta save dataset;
 - a gap exists in the DD-names/link-names for the delta save datasets;
 - a save dataset was not created by a save operation with the Delta Save Facility;
 - a save dataset was not created at Adabas 5.3 level or above;
 - the input dataset does not contain a save dataset header record;
 - the input dataset was not created by ADASAV.

Action: The merge or delta restore operation is abnormally terminated. The DD-name/link-name of the offending input dataset is displayed.

User Action: Supply the proper input save tapes and rerun the job.

DSF063 DSIM DATASET MISSING OR IN WRONG STATUS

Explanation: The original or unloaded Delta Save images (DSIM) dataset is required for processing an online save dataset in a MERGE or RESTORE DELTA operation, but it either

- has not been specified;
- has an incorrect status; or
- has been specified in the wrong logical sequence.

Action: The MERGE or RESTORE DELTA operation is abnormally terminated.

User Action: Provide the correct DSIM dataset; rebuild it if necessary. Rerun the job.

DSF065 INPUT FULL AND DELTA SAVE TAPES NOT FITTING TOGETHER

Explanation: The specified input full and delta save datasets do not cover a continuous sequence of save operations. Their delta save identifications (DSIDs) do not match, because one or more of the following is true:

- the full save numbers are not the same;
- the sequence of delta save numbers is not ascending without duplicates and gaps;
- in the sequence of full and delta save inputs, unloaded DSIM datasets are not specified directly after the associated online save.
- the dates and times are not ascending.

For a RESTORE DELTA operation without full save input, the DSID of the database takes part in this matching of DSIDs. The DSIDs matched have been displayed in previous messages.

Action: The MERGE or RESTORE DELTA operation is abnormally terminated.

User Action: Provide the correct input save datasets in the correct sequence. Rerun the job.

DSF066 DSIM DATASET DOES NOT MATCH ONLINE SAVE TAPE

Explanation: A provided original or unloaded Delta Save images (DSIM) dataset is not the one associated with the specified input online save dataset. It does not contain the block images written during the online save operation that created the save dataset.

The DSIM dataset's full save number, delta save number, and database ID are shown. Further, the protection log number and protection log block number of the save operation's SYN1 checkpoint are displayed for both the DSIM dataset and the online save dataset. For associated online save and DSIM datasets, these SYN1-related numbers must be identical.

Action: The MERGE or RESTORE operation is abnormally terminated.

User Action: Provide the right DSIM dataset and/or input save datasets. Rerun the job.

DSF067 MISMATCHING MERGE/RESTORE PATTERN

Explanation: The delta merge/restore pattern specified in the PATTERN parameter does not match the input full and delta save datasets supplied.

Action: The delta merge or delta restore operation is abnormally terminated.

User Action: Check and correct the PATTERN parameter and the job control statements. Rerun the job.

DSF068 INVALID SAVE DATASET CONCATENATION

Explanation: Another dataset was concatenated to one of the input datasets (the DD-name/link-name of the input dataset is shown). Input save dataset concatenation is allowed only if

- the function is RESTORE DELTA (not MERGE); and
- save datasets are concatenated to the last input save in logical sequence.

Action: The MERGE or RESTORE DELTA operation is abnormally terminated.

User Action: Correct the specification of input datasets and rerun the job.

DSF070 DSIM DATASET SMALLER THAN SPECIFIED

Explanation: An I/O error occurred when Delta Save Facility tried to read the last block of the Delta Save images (DSIM) dataset. It is probably smaller than specified.

Action: Building the DSIM dataset is discontinued. The PLCOPY or COPY function will continue processing. When terminating normally, the function will set condition code 4. If no output dataset was specified for the COPY function, a subsequent ADARES error abnormally terminates the function.

User Action: Correct the DSIMSIZE parameter or supply a correct DSIM dataset. If the function was PLCOPY, rebuild the DSIM dataset using the COPY function. Otherwise, rerun the COPY function.

DSF071 PROTECTION LOG AND DSIM DATASET DO NOT MATCH

Explanation: The protection log and the Delta Save images (DSIM) dataset belong to different databases. The two database IDs are shown.

Action: No online save information will be extracted from the protection log during this ADARES execution. Building the DSIM dataset is discontinued. The PLCOPY or COPY function will continue processing. When terminating normally, the function will set condition code 4. If no output dataset was specified for the COPY function, a subsequent ADARES error abnormally terminates the function.

User Action: Provide the correct protection log or rebuild the DSIM dataset. If the function was PLCOPY, rebuild the DSIM dataset using the COPY function. Otherwise rerun the COPY function.

DSF072 CANNOT LOCATE SYN1 CHECKPOINT ON PROTECTION LOG

Explanation: The specified SYN1 checkpoint on the protection log was not found. The specified SYN1 position and the current position on the protection log are shown.

Action: No online save information will be extracted from the protection log during this ADARES execution. Building the DSIM dataset is discontinued. The COPY function will continue processing. When terminating normally, the function will set condition code 4. If no output dataset was specified, a subsequent ADARES error abnormally terminates the function.

User Action: Supply matching protection log and parameter inputs, then rerun the job.

DSF074 DISCONTINUITY IN PROTECTION LOG PROCESSING

Explanation: The first block of the protection log to be processed is not continuous with the last block processed before. Extracting block images for building the Delta Save images (DSIM) dataset must proceed in sequence. The current position on the protection log and the last position of the previous PLCOPY execution are shown.

Action: No online save information will be extracted from the protection log during this ADARES execution. Building the DSIM dataset is discontinued. The PLCOPY function will continue processing. When terminating normally, the function will set condition code 4.

User Action: Rebuild the DSIM dataset using the COPY function.

DSF075 DSIM DATASET OVERFLOW

Explanation: The Delta Save images (DSIM) dataset is not large enough to hold all block images written during the accompanying online save operation. This DSIM dataset cannot be used for merging.

Action: The DSIM dataset is set to an error status. The PLCOPY function will continue processing. When terminating normally, the function will set condition code 4.

User Action: Enlarge the DSIM dataset and rebuild it using the COPY function before performing the merge operation.

DSF076 DSIM DATASET OVERFLOW

Explanation: The Delta Save images (DSIM) dataset is not large enough to hold all block images written during the accompanying online save operation. This DSIM dataset cannot be used for merging.

Action: The DSIM dataset is set to an error status. The COPY function will continue processing. When terminating normally, the function will set condition code 4. If no sequential output dataset was specified, a subsequent ADARES error abnormally terminates the function.

User Action: Augment the DSIM dataset and run the COPY function again before performing the merge operation.

DSF079 ILLEGAL MULTIPLE USE OF DSIM DATASET DETECTED

Explanation: The Delta Save images (DSIM) dataset was modified by another utility while

- the ADARES PLCOPY or COPY function was writing online save information extracted from the protection log to it; or
- the ADASAV MERGE function was reading online save information from it.

The DSIM dataset is inconsistent.

Action: In ADASAV, the MERGE function is abnormally terminated. In ADARES, the DSIM dataset is set to an error status. The PLCOPY or COPY function will continue processing. When terminating normally, the function will set condition code 4. If no output dataset was specified for the COPY function, a subsequent ADARES error abnormally terminates the function.

User Action: Avoid parallel usage of the DSIM dataset in the future. If the function was PLCOPY, rebuild the DSIM dataset using the COPY function. If the function was COPY, rerun the COPY function. If the function was MERGE, rebuild the DSIM dataset using the COPY function and rerun the MERGE function.

DSF080 ERROR OCCURRED DURING EXECUTION OF READ DLOG
ior-error-text
ASSO RABN: dec-rabn (hex-rabn)

Explanation: An I/O error occurred when the Delta Save Facility was trying to read a block from the Delta Save logging (DLOG) area. An ADAIOR error text is given. The affected Associator RABN is shown in decimal “dec-rabn” and hexadecimal “hex-rabn” formats.

Action: The save function is abnormally terminated.

User Action: Determine the cause of the I/O error and eliminate it. Remove the DLOG area and install it again. Perform a full save operation.

DSF081 ERROR OCCURRED DURING EXECUTION OF WRITE DLOG
ior-error-text
ASSO RABN: dec-rabn (hex-rabn)

Explanation: An I/O error occurred when the Delta Save Facility was trying to write a block to the Delta Save logging (DLOG) area. An ADAIOR error text is given. The affected Associator RABN is shown in decimal “dec-rabn” and hexadecimal “hex-rabn” formats.

Action: The save function is abnormally terminated.

User Action: Determine the cause of the I/O error and eliminate it. Remove the DLOG area and install it again. Perform a full save operation.

**DSF082 ERROR OCCURRED DURING EXECUTION OF OPEN DSIM
ior-error-text**

Explanation: An error occurred when the Delta Save Facility was trying to open the Delta Save images (DSIM) dataset. An ADAIOR error text is given. The job control is probably incorrect, or the DSIMDEV parameter is missing or wrong.

Action: In ADASAV, the function is abnormally terminated. In ADARES, no on-line save information will be extracted from the protection log during this ADARES execution. Building the DSIM dataset is discontinued. The PLCOPY or COPY function will continue processing. When terminating normally, the function will set condition code 4. If no output dataset was specified for the COPY function, a subsequent ADARES error abnormally terminates the function.

User Action: Check and correct the job control and/or the DSIMDEV parameter. If the function was ADARES PLCOPY, rebuild the DSIM dataset using the ADARES COPY function. Otherwise rerun the job.

**DSF083 ERROR OCCURRED DURING EXECUTION OF READ DSIM
ior-error-text
RABN: dec-rabn (hex-rabn)**

Explanation: An I/O error occurred when the Delta Save Facility was trying to read a block from the Delta Save images (DSIM) dataset. An ADAIOR error text is given. The affected DSIM RABN is shown in decimal “dec-rabn” and hexadecimal “hex-rabn” formats.

Action: In ADASAV, the function is abnormally terminated. In ADARES, no more online save information will be extracted from the protection log during this ADARES execution. Building the DSIM dataset is discontinued. The PLCOPY or COPY function will continue processing. When terminating normally, the function will set condition code 4. If no output dataset was specified for the COPY function, a subsequent ADARES error abnormally terminates the function.

User Action: Determine the cause of the I/O error and eliminate it. Rebuild the DSIM dataset.

**DSF084 ERROR OCCURRED DURING EXECUTION OF WRITE DSIM
ior-error-text
RABN: dec-rabn (hex-rabn)**

Explanation: An I/O error occurred when the Delta Save Facility was trying to write a block to the Delta Save images (DSIM) dataset. An ADAIOR error text is given. The affected DSIM RABN is shown in decimal “dec-rabn” and hexadecimal “hex-rabn” formats.

Action: In ADASAV, the function is abnormally terminated. In ADARES, no more online save information will be extracted from the protection log during this ADARES execution. Building the DSIM dataset is discontinued. The PLCOPY or COPY function will continue processing. When terminating normally, the function will set condition code 4. If no output dataset was specified for the COPY function, a subsequent ADARES error abnormally terminates the function.

User Action: Determine the cause of the I/O error and eliminate it. Rebuild the DSIM dataset.

**DSF085 ERROR OCCURRED DURING EXECUTION OF CLOSE DSIM
ior-error-text**

Explanation: An error occurred when the Delta Save Facility was trying to close the Delta Save images (DSIM) dataset. An ADAIOR error text is given.

Action: In ADASAV, the function is abnormally terminated. In ADARES, the PLCOPY or COPY function will continue processing. When terminating normally, the function will set condition code 4. If no output dataset was specified for the COPY function, a subsequent ADARES error abnormally terminates the function.

User Action: Determine the cause of the error and eliminate it.

DSF086 ERROR OCCURRED WHILE EXECUTING OPEN INPUT SAVE
dd-name
ior-error-text

Explanation: An error occurred when the Delta Save Facility was trying to open an input save dataset. The DD/link name of the dataset and an ADAIOR error text are given. A job control statement is probably incorrect.

Action: The function is abnormally terminated.

User Action: Determine the cause of the error and eliminate it. Rerun the job.

DSF087 ERROR OCCURRED WHILE EXECUTING READ INPUT SAVE
dd-name
ior-error-text

Explanation: An error occurred when the Delta Save Facility was trying to read from an input save dataset. The DD-name/link name of the dataset and an ADAIOR error text are given.

Action: The function is abnormally terminated.

User Action: Determine the cause of the error and eliminate it. If the save dataset turns out to be readable, rerun the job.

DSF088 ERROR OCCURRED WHILE EXECUTING CLOSE INPUT SAVE
dd-name
ior-error-text

Explanation: An error occurred when the Delta Save Facility was trying to close an input save dataset. The DD/link name of the dataset and an ADAIOR error text are displayed.

Action: The function terminates abnormally.

User Action: Determine the cause of the error and eliminate it.

DSF089 GETMAIN ERROR – NOT ENOUGH VIRTUAL MEMORY

Explanation: Sufficient virtual memory could not be obtained for Delta Save Facility processing. The number of bytes requested and obtained are shown in decimal and hex format.

Action: In ADASAV, the function is abnormally terminated. In ADARES, building the DSIM dataset is discontinued. The PLCOPY or COPY function will continue processing. When terminating normally, the function will set condition code 4. If no output dataset was specified for the COPY function, a subsequent ADARES error abnormally terminates the function.

User Action: Increase the partition/region of the job. If the function was ADARES PLCOPY, rebuild the DSIM dataset using the ADARES COPY function. Otherwise rerun the job.

DSF090 INCORRECT DATABASE VERSION

Explanation: The Delta Save Facility requires a database at Adabas version 5.3.3 or above. The requested function cannot be executed. The internal version indicator found in the GCB is shown in hexadecimal format (the indicator is “05xx” for Adabas version 5.1, “45xx” for version 5.2, and “C502” for version 5.3.2).

Action: The function is abnormally terminated.

User Action: To use the Delta Save Facility, convert the database to Adabas version 5.3.3 or above.

DSF091 INCORRECT VERSION OF DLOG AREA

Explanation: The Delta Save logging (DLOG) area was installed by another, incompatible version of the Delta Save Facility. The internal version indicator and the version of the Delta Save Facility software are displayed in hexadecimal format.

Action: The function is abnormally terminated.

User Action: Use a compatible version of the Delta Save Facility software, or remove the DLOG area and install it again.

DSF092 INCORRECT VERSION OF DSIM DATASET

Explanation: The Delta Save images (DSIM) dataset was created by another, incompatible version of the Delta Save Facility. The internal version indicator and the version of the Delta Save Facility software are displayed in hexadecimal format.

Action: In ADASAV, the function is abnormally terminated. In ADARES, building the DSIM dataset is discontinued. The PLCOPY or COPY function will continue processing. When terminating normally, the function will set condition code 4. If no output dataset was specified for the COPY function, a subsequent ADARES error abnormally terminates the function.

User Action: Use a compatible version of the Delta Save Facility software, or rebuild the DSIM dataset using the ADARES COPY function.

DSF093 ERROR DURING INPUT SAVE TAPE PROCESSING

Explanation: An error was detected while processing a record from an input save dataset. Probably the save dataset is invalid. The DD/link name of the save dataset, an internal reason code, and the serial block number in decimal and hexadecimal are shown. The requested function cannot be completed.

Action: The function is abnormally terminated.

User Action: Check for invalid concatenation of save datasets and correct it, if found. Consult your Software AG technical support representative, if necessary.

DSF094 ERROR DURING INPUT SAVE TAPE PROCESSING

Explanation: Either some important control information is not consistent for all records of an input save dataset, or the serial block numbers within an input save dataset are not in ascending order, increasing by one. Probably the save dataset is invalid. The DD/link name of the save dataset is shown.

Action: The function cannot be completed, and is abnormally terminated.

User Action: Check for invalid concatenation of save datasets and correct it, if found. Consult your Software AG technical support representative, if necessary.

DSF095 INTERNAL ERROR DURING PROTECTION LOG PROCESSING

Explanation: An error was detected in a protection log block processed by the Delta Save Facility. The protection log number, the block number and offset within the block, and an internal reason code are displayed in decimal format, the block number and offset also in hex format. A DSIM dataset cannot be built.

Action: Building the DSIM dataset is discontinued. The PLCOPY or COPY function will continue processing. When terminating normally, the function will set condition code 4. If no output dataset was specified for the COPY function, a subsequent ADARES error abnormally terminates the function.

User Action: Check for and correct any mistake in the specification of protection log datasets. Consult your Software AG technical support representative, if necessary.

DSF096 DAMAGED DLOG AREA BLOCK DETECTED

Explanation: An inconsistent block was encountered in the Delta Save logging (DLOG) area. The bad RABN is shown in decimal and hex format, plus an internal reason code. The delta save operation cannot be completed.

Action: The delta save operation is abnormally terminated.

User Action: Consult your Software AG technical support representative to determine the cause of the error. Disable Delta Save logging, remove the DLOG area, and install it again. Perform a full save operation.

DSF097 DAMAGED DSIM BLOCK DETECTED

Explanation: An inconsistent block was encountered in the Delta Save images (DSIM) dataset. The bad RABN is shown in decimal and hex format, plus an internal reason code. The requested Delta Save Facility function cannot be completed.

Action: In ADASAV, the function is abnormally terminated. In ADARES, building the DSIM dataset is discontinued. The PLCOPY or COPY function will continue processing. When terminating normally, the function will set condition code 4. If no output dataset was specified for the COPY function, a subsequent ADARES error abnormally terminates the function.

User Action: Consult your Software AG technical support representative to determine the cause of the error. Rebuild the DSIM dataset using the ADARES COPY function.

DSF098 DAMAGED DLOG EXTENSION BLOCK DETECTED

Explanation: An inconsistent block was encountered in a file-specific extension of the Delta Save logging (DLOG) area. The file number, the RABN of the inconsistent block, and an internal reason code are shown. A delta save operation is not possible.

Action: The delta save operation is abnormally terminated.

User Action: Consult your Software AG technical support representative to determine the cause of the error. Save and restore or reorder the file in question. Then rerun the delta save operation.

DSF099 **DSF INTERNAL ERROR AT module + offset**
TRACE: trace-info
R0-R3 xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx
R4-R7 xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx
R8-R11 xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx
R12-R15 xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx

Explanation: An internal error occurred in the indicated module at the specified offset. Some internal trace information as well as the register settings at the time of the error are shown. The requested Delta Save Facility function cannot be completed.

Action: In ADASAV, the function is abnormally terminated. In ADARES, building the DSIM dataset is discontinued. The PLCOPY or COPY function will continue processing. When terminating normally, the function will set condition code 4. If no output dataset was specified for the COPY function, a subsequent ADARES error abnormally terminates the function.

User Action: Consult your Software AG technical support representative to determine the cause of the error.

DSPnnn—Cluster Data Space (ADADSP) Messages

ADADSP messages apply only to Adabas Parallel Services.

All of the following messages are printed first to the system log and then later to the Dssdddd dataset that was automatically created for cluster data space message output.

Each message begins with a timestamp in the format “hh:mm:ss”, a jobname, and a database ID, which is shown as five numeric characters with leading zeros.

DSP001 INITIATING DBID=dbid SVC=svc

Explanation: ADACOM is starting the Adabas Parallel Services cluster based on settings provided by the first cluster nucleus to start.

DSP002 DATA SPACE ACQUISITION AUTHORITY ACQUIRED **DSP002 DATA SPACE ACQUISITION HANDLED BY JOB jobname**

Explanation: Data space acquisition authority is granted to the first ADACOM to start and the name of that ADACOM job is displayed. Subsequent ADACOMs set to manage the same DBID will not be granted the authority to allocate data spaces, since they have already been allocated.

DSP003 DATA SPACE BEING ALLOCATED IS {CACHE | LOCK | MESSAGE} **DSP003 NAME IS data-space-name** **DSP003 {SIZE IN DECIMAL BYTES: number-of-bytes | NOT ALLOCATED –** **LENGTH IS ZERO | NOT ALLOCATED – SIZE IS LESS THAN 4096** **BYTES}** **DSP003 {FUNCTION COMPLETED NORMALLY | DATA SPACES ALREADY** **ALLOCATED}**

Explanation: ADACOM is in the process of allocating a data space of the specified type (cache, lock, or message) with the specified name and the specified size. Data spaces are allocated only if a valid size is provided: see the ADARUN CLUCACHESIZE and CLULOCKSIZE parameters.

The operating system does not allow data spaces with sizes less than 4096 decimal bytes (internal error). If the allocation parameters are valid, the data spaces are allocated when the first cluster nucleus starts. Once data spaces are allocated for a cluster, they are not reallocated when subsequent cluster nuclei start.

Action: If you receive a sizing error, review your ADARUN parameters, correct the error, and restart ADACOM. All other messages are for information only and require no action.

DSP004 UNABLE TO DELETE/EXIT – NUCS UP
DSP004 CHECKING EVERY 5 SECONDS
DSP004 NEXT MESSAGE IN 5 MINUTES

Explanation: This message occurs when an ADAEND, P, or CANCEL command have been issued for ADACOM, but data spaces are still allocated for clusters that it manages.

Action: ADACOM should come down automatically when the last cluster nucleus terminates. If it does not, issue a CANCEL command to terminate it.

DSP005 DATASPACE BEING DELETED IS data-space-name
DSP005 {FUNCTION COMPLETED NORMALLY | ERROR: ABEND CODE
abend-code, REASON CODE reason-code | ERROR: RETURN CODE
ret-code, REASON CODE reason-code}

Explanation: The specified cluster data space is being deleted. Either the deletion is completed successfully or an IBM error code and reason code are returned.

Action: If the data space is successfully deleted, no action is required. If an IBM error and reason code are returned, refer to your IBM manuals to identify and correct the specified error.

DSP099 SVC=svc, DBID=dbid FUNCTION EXITING

Explanation: The specified Adabas Parallel Services cluster is terminating.

PL6nnna and PL6ann—PRILOG6 Print Program Messages

Messages from the Independent Components

PL6000I CARD READ =>control-card

Explanation: Displays the PRILOG6 input control card that was read.

PL6001E UNRECOGNIZED INPUT CARD

Explanation: One of the control cards read was not recognized by PRILOG6.

Action: Ensure that all cards either being with PRILOG6 or an asterisk (*) for a comment line.

PL6002E INVALID PARM: parameter

Explanation: The specified input parameter or value in the PRILOG6 control cards is invalid.

Action: Correct the identified parameter and rerun the program.

Messages from the System-Dependent Component

PL6D01 DDCARD FILE FAILED TO OPEN, USING DEFAULTS

Explanation: The input card file could not be opened.

Action: If the defaults are used, there are no input cards and this file is not required. The message can be ignored. The default values are CLOGLAYOUT=5 and FIELDS=(LIST).

If values other than the defaults are required, ensure that the file is available and rerun the job.

PL6D02 DDCLOGIN FILE FAILED TO OPEN – NO REPORTS

Explanation: The file containing the CLOG records did not open. No reports are printed.

Action: Ensure that the file is properly allocated and rerun the job.

PLInnn—ADACOM Initialization Messages

ADACOM messages apply only to Adabas nucleus cluster environments.

All PLInnn messages are printed on the console. Messages in the range 0–49 are issued by the ADACOT module attached to a particular SVC/DBID set and are sent to the SYSOUT dataset that is dynamically allocated for that particular module. Messages in the range 50 and above are issued by ADACOM and are written to the COMPRINT dataset. Each message begins with a timestamp in the format “hh:mm:ss”.

Messages Issued by ADACOTs and Written to Own Datasets

PLI002 INITIALIZING DBID=dbid SVC=svc messages(s)

Explanation: This message identifies the ADACOM that is initializing by its database ID and SVC settings. It is followed by one or more relevant initialization message(s).

(message) ACQUIRING NEW PLXCB

Explanation: Having determined that no Adabas cluster control block (PLXCB) currently exists, ADACOM is attempting to acquire a new one.

(message) PLXCB IS LOCATED AT address

Explanation: The location of the PLXCB, either new or existing, is provided.

(message) GETMAIN FAILED FOR PLXCB

Explanation: An attempt to acquire GETMAIN space for a new Adabas cluster control block (PLXCB) failed. Whichever is attempting to start, a cluster nucleus or an ADACOM task, terminates abnormally (ABENDs).

Action: Ensure that sufficient space is available to start PLXCB and resubmit the job.

**(message) CANNOT CHANGE NUMBER OF USERS NOW
THERE ARE NUCS/ADACOMS ACTIVE**

Explanation: Once the cluster is active; that is, once a nucleus or ADACOM starts, or a user issues commands to a cluster database, the NU parameter is set and cannot be changed without bringing down the entire cluster, changing the parameter value, and restarting.

Action: If you need to change the NU parameter value, terminate all cluster nuclei, ADACOMs, and users and restart.

(message) FREEING OLD PLXCB

Explanation: The NU parameter value is being changed. The old environment is being freed.

(message) PROCESSED NU=0 REQUEST

Explanation: The system has processed the NU=0 parameter. The old environment has been freed.

(message) MAX USERS FOR IMAGE number-of-users

Explanation: Displays the maximum number of users (NU) allowed for the operating system image.

PLI003 SVC=svc DBID=dbid OPERATOR COMMAND: command

Explanation: Confirms the operator command just issued and the SVC/DBID combination for which it is issued.

PLI004 **imagename NUCID UP LO RO #USERS –#CMNDS–LURA=n RULA=n**
PLI004 **jobname nucid x y z n…… n……**

Explanation: This message displays the status of the cluster nuclei located on the named image, which is the local image, where

imagename is the name of the local image
 NUCID=nucid is the unique cluster nucleus identifier
 UP=x specifies whether (Y or N) the specified nucleus is available for normal processing
 LO=y specifies whether the specified nucleus is on the local image and open (Y); or on the local image and closed (N)
 RO=z indicates that the specified nucleus is not on a remote image (N)
 #USERS=n is the number of users that have been assigned to and are currently active for the specified nucleus
 #CMNDS=n is the number of commands currently incomplete.
 LURA=n is the number of users remotely assigned to the local image
 RULA=n is the number of users locally assigned to the remote image
 jobname is the name of the ADACOM job or started task

PLI005 **** IMAGE HAS NO ACTIVE NUCS ****

Explanation: This message follows PLI004 for either a DIM or DN command when there are no active cluster nuclei to display on the local image.

PLI006 *** LOCAL NETWORK DOWN – NO REMOTE INFORMATION ***

Explanation: This message follows PLI004 for a DIM command when no information is available about remote images because the local Entire Net-Work is not active.

Action: The local Entire Net-Work must be reactivated to retrieve information about cluster nuclei on remote images.

PLI007 **imagename NUCID UP LO RO #USERS -#CMNDS-LURA=n RULA=n**
PLI007 **jobname nucid x y z n..... n.....**

Explanation: This message displays the status of the cluster nuclei located on the named image, which is a remote image, where

imagename is the name of a remote image
 NUCID=nucid is the unique cluster nucleus identifier
 UP=x specifies whether (Y or N) the specified nucleus is available for new users
 LO=y indicates that the specified nucleus is not on the local image (**)
 RO=z specifies whether the specified nucleus on a remote image is opened locally for local use only (LN); opened remotely for global use (NG); both LN and NG (LG); not open for local use (NN)
 #USERS=n is the number of users that have been assigned to and are currently active for the specified nucleus
 #CMNDS=n is the number of commands currently incomplete
 LURA=n is the number of users remotely assigned to the local image
 RULA=n is the number of users locally assigned to the remote image
 jobname is the name of the ADACOM job or started task

PLI008 ***NO NUCS UP OR REMOTE NETWORK DOWN***

Explanation: This message follows PLI007 for a DIM command when no information is available from a remote image. Either there are no active nuclei on the remote image or the remote Entire Net-Work is not active.

PLI009 **INVALID COMMAND : ***

Explanation: The command entered is not a valid ADACOM command. This message follows PLI060, which displays the invalid command entered.

Action: Check the command used; reenter a valid ADACOM command.

PLI010 COMMAND EXECUTED

Explanation: This message follows PLI060 for the SN command and indicates that the SN command with the parameters specified in PLI060 has been successfully executed.

PLI013 UNABLE TO SET TIMER – EXITING

Explanation: An internal error occurred while executing STIMERM. The affected ADACOT module ABENDs.

Action: Contact your Software AG technical support representative.

PLI015 WORK AREA GETMAIN FAILED

Explanation: The attempt to allocate space for an ADACOT work area failed. The affected SVC/DBID combination ABENDs.

Action: Increase the region size.

PLI017 IDTH PREFIX IS NOT VALID

Explanation: An internal error occurred: IDTHPRFX is invalid. The affected ADACOT module ABENDs.

Action: Contact your Software AG technical support representative.

PLI018 ADACOT INITIALIZATION FAILED

Explanation: The PLXINIT module failed during initialization. The affected ADACOT module ABENDs.

Action: Contact your Software AG technical support representative.

PLI020 SVC=svc DBID=dbid FUNCTION EXITING

Explanation: This message occurs whenever an SVC/DBID combination terminates for any reason.

PLI021 NETWORK DETECTED DOWN

Explanation: ADACOM detected that the local Entire Net-Work is not active.

PLI022 NETWORK DETECTED UP

Explanation: ADACOM detected that the local Entire Net-Work is active.

PLI023 NO PARMS ALLOWED FOR "DN"

Explanation: A parameter was supplied when issuing the ADACOM command DN. No parameters are allowed for the DN command. This message follows PLI060 which indicates the command and parameters issued.

Action: Remove the parameter(s) and issue DN again.

PLI024 INVALID SYSTEM NAME

Explanation: The DIM command allows you to optionally supply an image name as a parameter. The DIM command was issued with a parameter value, but the value supplied is not a valid image name. This message follows PLI060 which indicates the command and parameters issued.

Action: Supply a valid image name and issue DIM again.

PLI025 * REMOTE IMAGES NOT DETECTED *

Explanation: This message follows PLI060 and PLI004 for the DIM command without a parameter and indicates that ADACOM does not detect the presence of any remote images.

PLI026 REMOTE IMAGE(S) NOT DETECTED

Explanation: This message follows PLI060 for the DIM command with a valid image-name parameter and indicates that the specified image is not local and that ADACOM does not detect the presence of a remote image with the specified name.

PLI027 CMDMGR=NO SPECIFIED

Explanation: CMDMGR=NO was specified in the ADACOM; ADACOM quiesces after setting the environment.

PLI030 INVALID NUC SPECIFICATION

Explanation: This message follows PLI060 for the SN command and indicates that the specified nucleus ID is not valid.

Action: Specify a valid nucleus ID and issue the command again.

PLI031 COMMAND MUST SPECIFY “UP/DN” OR “OP/CL”

Explanation: This message follows PLI060 for the SN command and indicates that the required parameters UP/DN or OP/CL were not specified.

Action: Specify the required parameters and issue the command again.

PLI032 TOO MANY PARAMETERS

Explanation: This message follows PLI060 for the SN command and indicates that too many parameters have been specified when opening or closing one or more remote nuclei. Remote nuclei are always opened to local users only.

Action: Remove the erroneous parameter(s) and issue the command again.

PLI033 INVALID NUC ID FOR “UP/DN”

Explanation: The nucleus ID specified with the UP/DN parameter on an ADACOM SN command must be on the local image. This message follows PLI060 for the SN command and indicates that the nucleus ID specified with the UP/DN parameter is not a valid nucleus on the local nucleus.

Action: Specify a valid local nucleus and issue the command again.

PLI034 LOCAL NUC(S) NOT FOUND

Explanation: This message follows PLI060 for the SN command and indicates that the local nucleus specified was not found on the local image. If LCLALL was used in the command, no cluster nuclei were found on the local image.

PLI035 “ALL” NOT VALID FOR “OP/CL”

Explanation: This message follows PLI060 for the SN command. “ALL” is not a valid parameter. You must indicate whether you want to open or close all local nuclei (LCLALL) or all remote nuclei (RMTALL). You cannot open or close all cluster nuclei on all images at once. You can, of course, open a specified nucleus or all nuclei on a specified remote image, if you choose.

Action: Specify the required parameters and issue the command again.

PLI036 TOO FEW PARAMETERS – NEED “LCL/GBL”

Explanation: This message follows PLI060 for the SN command. When opening or closing nuclei on local images, you must indicate whether you are opening them to local users only (LCL) or to all cluster users (GBL).

Action: Specify the required information and issue the command again.

PLI038 ONLY “LCL” OR “GBL” AFTER “OP/CL”

Explanation: This message follows PLI060 for the SN command. When opening or closing nuclei on the local image, your only choices are to open the nuclei to local users only (LCL) or to all cluster users (GBL). No other options are allowed.

Action: Specify LCL or GBL and issue the command again.

PLI039 REMOTE NUC(S) NOT FOUND

Explanation: This message follows PLI060 for the SN command and indicates that the remote nucleus specified was not found on any remote image. If a remote image was specified, no cluster nuclei were found on that image. If RMTALL was used in the command, no cluster nuclei were found on any remote image.

Messages Issued by ADACOM and Written to COMPRINT Dataset**PLI050 INITIALIZING ADACOM**

Explanation: This is the first message produced when ADACOM is starting.

PLI052 COMMANDS WILL GO TO SVC=svc,DBID=dbid

Explanation: A MODIFY command was issued to change the SVC/DBID combination that is to receive all following MODIFY commands.

PLI053 REMAINDER OF INPUT LINE IGNORED

Explanation: Characters were found at the end of a SVC=svc,DBID=dbid when no comma follows the SVC/DBID combination. Note that the SVC=svc and DBID=dbid can be in any order.

PLI054 DUPLICATE SVC= OR DBID=

Explanation: A MODIFY command to change the SVC/DBID combination for commands was issued with more than one SVC= or DBID=.

Action: Reissue the command with only one SVC/DBID parameter set.

PLI055 INVALID SVC OR DBID NUMBER

Explanation: A MODIFY command to change the SVC/DBID combination for commands was issued with a nonnumeric, invalid, or out of range SVC or DBID number.

Action: Reissue the command with a valid SVC/DBID parameter set.

PLI056 INVALID CHARACTER IN COMMAND

Explanation: A MODIFY command to change the SVC/DBID combination for commands was issued and no comma between SVC=svc and DBID=dbid.

Action: Correct the format and reissue the command.

PLI057 DBID= OR SVC= MISSING

Explanation: A MODIFY command to change the SVC/DBID combination for commands was issued and either SVC= or DBID= missing.

Action: Add the required parameter and reissue the command.

PLI058 SVC/DBID PAIR NOT ACTIVE IN THIS ADACOM

Explanation: A MODIFY command to change the SVC/DBID combination for commands was issued and the SVC/DBID pair was not specified in the input stream.

Action: Specify the required parameters and reissue the command.

PLI059 SVC/DBID PAIR PROCESSING HAS ENDED

Explanation: A MODIFY command to change the SVC/DBID combination for commands was issued and the SVC/DBID pair processing has ended either from NU=0 or an ABEND.

Action: If you are unable to determine and correct the problem, contact your Software AG technical support representative.

PLI060 SVC=svc DBID=dbid OPERATOR COMMAND : command

Explanation: This message indicates that the specified command has been issued from the ADACOM identified by the SVC and DBID listed.

PLI062 COMMAND QUEUED

Explanation: A command is queued for execution. The results of the command will appear in the output dataset for the SVC/DBID combination to which the command was issued.

PLI063 PROCESSING: ADACOM SVC=svc,DBID=dbid,NU=users text

Explanation: Issued during initialization for each input line from DDKARTE. The text of the line appears to the right of the colon.

(text) INITIALIZATION COMPLETE

Explanation: Issued as text for PLI063 if NU does not equal 0 and the startup for the SVC/DBID pair was successful.

(text) PROCESSING ENDED NORMALLY

Explanation: Issued as text for PLI063 if NU=0 was specified and the PLXCB was processed normally.

(text) PROCESSING ENDED WITH ERRORS

Explanation: Issued as text for PLI063 when the initialization process encounters an error for a SVC/DBID pair. The error may indicate a problem allocating a corresponding SYSOUT dataset. Initialization for the other pairs continues.

Action: If you are unable to determine and correct the problem with the SVC/DBID parameter set, contact your Software AG technical support representative.

PLI064 ADACOM EXITING

Explanation: This is the last message produced when the ADACOM job is terminating as a result of an ADAEND command or an error situation.

PLI068 UNRECOGNIZED PARAMETER

Explanation: During initialization when processing input from DDKARTE, an unrecognized parameter was encountered on the card. ADACOM ABENDs.

Action: Check the DDKARTE parameters. If you are unable to determine and correct the problem, contact your Software AG technical support representative.

PLI069 DUPLICATE PARAMETER

Explanation: Issued on initialization when processing input from DDKARTE and a duplicate parameter entry is seen. ADACOM ABENDs.

Action: Correct the parameter entries and rerun the job.

PLI070 INVALID NUMERIC

Explanation: Issued on initialization when an SVC or DBID number is recognized as invalid. ADACOM ABENDs.

Action: Correct the parameter entries and rerun the job.

PLI071 SVC OR DBID NOT SPECIFIED

Explanation: Issued on initialization when an SVC or DBID number is recognized as invalid. ADACOM ABENDs.

Action: Correct the parameter entries and rerun the job.

PLI072 IDTH NOT FOUND

Explanation: Issued during initialization when the required IDTH control block cannot be found. ADACOM ABENDs.

Action: If you are unable to determine and correct the problem, contact your Software AG technical support representative.

PLI073 NUMBER OF IDTES IS ZERO

Explanation: Issued during initialization when the number of IDTEs specified in the IDTH is zero. ADACOM ABENDs.

Action: If you are unable to determine and correct the problem, contact your Software AG technical support representative.

PLI074 DUPLICATE SVC/DBID COMBO

Explanation: Issued during initialization if two input cards from DDKARTE specify the same SVC/DBID combination. ADACOM ABENDs.

Action: Correct the parameter entries and rerun the job.

PLI076 INPUT MUST BEGIN WITH “ADACOM”

Explanation: Issued during initialization when an input card from DDKARTE does not begin with “ADACOM” followed by at least one space. ADACOM ABENDs.

Action: Correct the format of the parameter entries and rerun the job.

**PLI077 ADACOM IS SHUTTING DOWN
[SVC=svc,DBID=dbid ADACOM PROCESSING COMPLETE]**

Explanation: Issued as the result of an ADAEND command or internal error causing an orderly shutdown. The part of the message enclosed in brackets is issued when an SVC/DBID combination has ended processing.

Action: If you are unable to determine and correct the problem, contact your Software AG technical support representative.

PLI078 PREVIOUS TASK HAS NOT ENDED

Explanation: Duplicate SVC/DBID combination in startup JCL. ADACOM ABENDs.
Action: Correct the JCL and rerun.

PLI079 ERROR OBTAINING {CLUCONB | CLUDSPB}

Explanation: This message indicates a GETMAIN failure at startup (ADACOM ABENDs) or while dynamically adding an SVC/DBID combination (the system continues running).
Action: At startup, increase the region size and rerun. When dynamically adding an SVC/DBID combination, either terminate ADACOM, increase the region size, and rerun; or start a second ADACOM.

PLXnnn—ADACLU Messages

ADACLU messages apply only to Adabas nucleus cluster environments.

All of the following messages are both printed on the console and written to the DD/PRINT dataset.

Each message begins with a timestamp in the format “hh:mm:ss” and a jobname.

The ‘dbid’ and ‘nucid’ are shown as five numeric characters with leading zeros.

PLX001 dbid ACQUIRING NEW PLXCB

Explanation: Having determined that no Adabas cluster control block (PLXCB) currently exists, the system is attempting to acquire a new one.

PLX002 dbid GETMAIN FAILED FOR PLXCB

Explanation: An attempt to acquire GETMAIN space for a new Adabas cluster control block (PLXCB) failed. Whichever is attempting to start, a cluster nucleus or an ADACOM task, terminates abnormally (ABENDs).

Action: Ensure that sufficient space is available to start PLXCB and resubmit the job.

PLX003 dbid CANNOT CHANGE NUMBER OF USERS NOW **PLX003 dbid CANNOT FREE PLXCB AT THIS TIME** **PLX003 dbid THERE ARE NUCS/ADACOMS ACTIVE**

Explanation: Once the cluster is active; that is, once a nucleus or ADACOM starts, or a user issues commands to a cluster database, the NU parameter is set and cannot be changed without bringing down the entire cluster, changing the parameter value, and restarting.

Action: If you need to change the NU parameter value, terminate all cluster nuclei, ADACOMs, and users and restart.

PLX004 dbid FREEING OLD PLXCB

Explanation: The NU parameter value is being changed. The old environment is being freed.

PLX005 dbid PROCESSED NU=0 REQUEST

Explanation: The system has processed the NU=0 parameter. The old environment has been freed.

PLX006 dbid MAX USERS FOR IMAGE number-of-users
PLX006 dbid PLXCB LOCATED AT address
PLX006 dbid PLXCB VERSION IS vrs
PLX006 dbid PROGRAM LEVEL IS vrs
PLX006 dbid FORCE=YES DETECTED
PLX006 dbid THIS SVC/DBID COMBINATION WILL TERMINATE

Explanation: The Adabas cluster control block (PLXCB) has been located at the address specified. These messages detect when PLXCBs have a different format than programs attempting to use them. Ensures compatibility between program levels and the permanently allocated PLXCBs that continue to exist when no nuclei or ADACOMs are active.

PLX050 dbid ADACLU INIT DBID=dbid NUCID=nucid

Explanation: The cluster nucleus identified by its 'nucid' for cluster 'dbid' has been initialized.

PLX052 dbid MAXIMUM NUCID IS 65000

Explanation: The range of valid NUCIDs is restricted to 0–65000. The Adabas cluster terminates abnormally (ABENDs).

Action: Provide a valid NUCID for the cluster nucleus and restart.

PLX053 dbid GETMAIN FOR CQXE FAILED

Explanation: GETMAIN for CQXE is acquired above the 16MB line in ECSA. You have insufficient space these for CQXE.

Action: Increase the space available to CQXE in ECSA.

**PLX054 LEVEL INFORMATION FOR SVCCLU
DATE yyyy-mm-dd, VERSION v.r, SM s, BASE APvrsnnn**

Explanation: This messages provides the assembly date of the SVCCLU module, the version, revision, and system maintenance level, and the base ZAP level.

PLX055 dbid IDTH PREFIX IS NOT VALID

Explanation: The ID table header has been corrupted. The Adabas cluster terminates abnormally (ABENDs).

Action: (Re)run ADASIP for the SVC concerned.

PLX055 dbid NO USERS WERE DELETED

Explanation: The CLUFREEUSER command was issued but no eligible users were found to delete.

PLX055 dbid NOT DELETED PENDING RSP 9/20 IS number-of-users

Explanation: The CLUFREEUSER command was issued but the FORCE parameter was not specified and the number of users specified were pending a response code 9, subcode 20.

PLX055 dbid NUMBER OF USERS DELETED IS number-of-users

Explanation: The CLUFREEUSER command was issued and the specified number of users were deleted.

PLX056 dbid NUMBER OF IDTE ENTRIES IS ZERO

Explanation: The ID table header has been corrupted. The Adabas cluster terminates abnormally (ABENDs).

Action: (Re)run ADASIP for the SVC concerned.

PLX057 dbid ADACLU INITIALIZATION FAILED

Explanation: This is an internal error. The Adabas cluster terminates abnormally (ABENDs).

Action: Contact your Software AG technical support representative.

PLX058 dbid MPM INITIALIZATION FAILED

Explanation: This is an internal error. The Adabas cluster terminates abnormally (ABENDs).

Action: Contact your Software AG technical support representative.

PLX059 dbid INITIALIZATION OF ADACLU COMPLETE

Explanation: The Adabas cluster initialized successfully.

PLX087 dbid ATTEMPTING TO ACQUIRE DATASPACEs

Explanation: ADACOM is attempting to allocate cluster data spaces based on settings available in the first Adabas Parallel Services cluster nucleus to start. The message also occurs as other cluster nuclei start, even though the cluster data spaces have already been allocated.

PLX097 dbid DATABASES ACQUIRED

Explanation: The cluster data spaces have been successfully allocated.

PLX099 dbid ADACOM NOT AVAILABLE

Explanation: Either the ADACOM cannot be started or cannot be found.

Action: Determine why ADACOM is not available and correct the problem. Then restart.

SAGEnn—VSE/ESA Batch Job Exit Utility Messages

These messages are written over the redisplayed SAGUSER batch control statements, starting in column 26, by the Software AG job exit utility (batch) for VSE/ESA systems.

SAGE020 – SAGIPT NOT FOUND IN THE SDL

Explanation: An entry for the phase SAGIPT was not found in the SDL.
Action: The SAGUSER control statements cannot be processed.
User Action: Verify that the phase SAGIPT was loaded into the SVA (using the SET SDL command). Load the phase if required, run the program SAGINST, and resubmit the job.

SAGE021 – DD NAME TABLE NOT FOUND

Explanation: The control table used by the job control exit cannot be found.
Action: The SAGUSER control statements cannot be processed.
User Action: Verify that the program SAGINST ran correctly. If not, rerun it and verify that one of the following messages is displayed: SAGI005, SAGI006, or SAGI016.

SAGE022 – NO ROOM IN DD NAME TABLE

Explanation: The control table used by the job control exit is full.
Action: The SAGUSER control statements cannot be processed.
User Action: Wait until some of the currently running jobs have completed and rerun the job that received the error message.

SAGE023 – INVALID OR MISSING FILE=

Explanation: The SAGUSER control statement does not contain a “FILE=” parameter.
Action: The SAGUSER control statement cannot be processed.
User Action: Add the correct file designation to the control statement and rerun the job.

SAGE024 – INVALID OR MISSING MEMBER=

Explanation: The SAGUSER control statement does not contain a “MEMBER=” parameter.

Action: The SAGUSER control statement cannot be processed.

User Action: Add the correct member designation to the control statement and rerun the job.

SAGE025 – INVALID SAGUSER CONTROL STATEMENT

Explanation: The SAGUSER control statement does not contain any valid keyword parameters.

Action: The SAGUSER control statement cannot be processed.

User Action: Add the correct parameters to the control statement and rerun the job.

SAGInn—Batch Initialization Messages (VSE/ESA Only)

These messages are written to the operator console and to SYSLST by the optional Adabas job exit. See the *Adabas Installation Manual* for more information.

SAGI001 SOFTWARE AG JOBEXIT Vv INSTALLED

Explanation: The Software AG job control exit is active.

Action: SAGUSER control statements will be processed.

SAGI005 TABLE ALLOCATED (LOW) ADDR=addr

Explanation: The SAGUSER table was allocated in system GETVIS below the 16-MB line at the address indicated.

SAGI006 TABLE ALLOCATED (HIGH) ADDR=addr

Explanation: The SAGUSER table was allocated in system GETVIS above the 16-MB line at the address indicated.

SAGI010 SOFTWARE AG JOBEXIT ALREADY INSTALLED

Explanation: The Software AG job control exit can be installed only once.

User Action: None, if the Software AG job exit is actually installed. If it is not, perform an IPL and reestablish the job control exit chain.

SAGI016 TABLE ALREADY ALLOCATED ADDR=addr

Explanation: The program SAGINST has already allocated the DD name table.

User Action: None, if the Software AG job exit is actually installed. If it is not, perform an IPL and reestablish the job control exit chain.

SAGI091 UNABLE TO LOCATE \$JOBEXIT IN SDL

Explanation: The entry for phase \$JOBEXIT was not found in the SDL.

Action: The Software AG job exit cannot be installed.

User Action: Get information on the version, release, and system modification level of the operating system and call Software AG for support.

SAGI092 UNABLE TO LOCATE SAGJBXT IN SDL

Explanation: The entry for phase SAGJBXT was not found in the SDL.

Action: The Software AG job exit cannot be installed.

User Action: Verify that phase SAGJBXT was loaded into the SVA.

SAGI093 PHASE SAGJBXT IN ERROR

Explanation: The phase SAGJBXT loaded into the SVA is not the job control exit supplied by Software AG.

Action: The Software AG job exit cannot be installed.

User Action: Verify a probable error during the linkage edit of SAGJBXT.

SAGI095 UNABLE TO DETERMINE VSE LEVEL

Explanation: Information about VSE (i.e., version and release) could not be found in the supervisor.

Action: The Software AG job exit cannot be installed. A storage dump is produced.

User Action: Obtain the VSE version and release level; call Software AG for support.

SAGI096 SAGJBXT ID NOT FOUND IN \$JOBEXIT TABLE

Explanation: An entry for SAGJBXT was not found in the \$JOBEXIT table (for VSE/ESA 1.2 and above).

Action: The Software AG job exit cannot be installed.

User Action: Add an entry for SAGJBXT in \$JOBEXIT and retry the program SAGINST.

SAGI097 SAGJBXT PHASE phase NOT FOUND

Explanation: The phase for SAGJBXT was found in the \$JOBEXIT table (for VSE/ESA 1.2 and above), but the phase has not been loaded into the SVA.

Action: The Software AG job exit cannot be installed.

User Action: Verify that phase SAGJBXT was loaded into the SVA.

SAGI098 SAGJBXT PHASE phase NOT IN SVA

Explanation: The phase for SAGJBXT was found in the \$JOBEXIT table (for VSE/ESA 1.2 and above) and has been loaded, but not into the SVA.

Action: The Software AG job exit cannot be installed.

User Action: Verify that phase SAGJBXT was loaded into the SVA.

SAGI099 SAGJBXT PHASE phase NOT VALID

Explanation: The phase for SAGJBXT was found in the \$JOBEXIT table (for VSE/ESA 1.2 and above) and has been loaded, but not into the SVA.

Action: The Software AG job exit cannot be installed.

User Action: Verify that phase SAGJBXT was loaded into the SVA.

SAGI101 ALLOCATION ERROR (HIGH) RC=ret-code

Explanation: An attempt to allocate space for the DD name table in 31-bit mode failed.
The return code is from the GETVIS macro.

Action: The Software AG job exit will not process SAGUSER statements.

User Action: Verify that enough storage is available in the SVA for the DD name table;
then rerun SAGINST.

SAGI102 ALLOCATION ERROR (LOW) RC=ret-code

Explanation: An attempt to allocate space for the DD name table in 24-bit mode failed.
The return code is from the GETVIS macro.

Action: The Software AG job exit will not process SAGUSER statements.

User Action: Verify that enough storage is available in the SVA for the DD name table;
then rerun SAGINST.

SEFMnnn—ADASAF SAF Interface Messages

SAF Return Codes

ADASAF displays an eight-byte code containing various return and reason codes from SAF. This information is shown in a number of messages denoted “sssssss”.

The ADASAF return code “sssssss” contains the following structure:

| Position | Information Content |
|--------------|---|
| Byte: 1 | SAF return code |
| Byte: 2 | Function code. ADASAF internal function codes (hex) include: 04 Authorize Adabas access 44 or 6C Authenticate user |
| Byte: 3 | Return code from security system, for example RACF |
| Byte: 4 | Reason code from security system, for example RACF |
| Bytes: 5 – 8 | SAF reason code |

Refer to the IBM manual *External Security Interface (RACROUTE) Macro Reference* manual for OS/390 and VM for a thorough explanation of all possible return/reason codes. CA-Top Secret and CA-ACF2 can provide different return code values in some circumstances.

SAF Interface Messages

SEFM001 *sssssss : user : resource

Explanation: The security system determined “user” does not have authorization for “resource”. System return and reason codes are given in the hexadecimal string “sssssss”. This message is displayed when access has been denied to a particular resource.

SEFM008 *ADABAS SECURITY (Vv.r) STARTED

Explanation: ADASAF start-up completed.

SEFM009 *MODULE module-name NOT LOADED

Explanation: ADASAF could not load the specified module.

Action: Ensure that the module is in the STEPLIB and the region size is sufficient.

SEFM013 *LESS STORAGE ACQUIRED THAN SPECIFIED

Explanation: ADASAF was not able to GETMAIN all the storage required to satisfy the buffer size specified in its parameters.

System Action: Operation continues.

User Action: Ensure that the region size is sufficient and parameters are appropriate.

SEFM014 *NO STORAGE COULD BE ACQUIRED

Explanation: ADASAF could obtain no storage at system start-up.

System Action: Operation has terminated.

User Action: Ensure that the region size is sufficient and system parameters are appropriate.

Operator Command Messages

The following messages are displayed in response to operator commands:

SEFM900 * OPERATOR ISSUED COMMAND : command

Explanation: ADASAF received the specified operator command.

SEFM901 * SAF SERVER – GENERAL STATISTICS (at 034A5000)

```

SEFM901 * SAF SERVER - GENERAL STATISTICS (AT 034A5000)
SEFM902 * RESOURCE      CHECK(+VE)  CHECH(-VE)  CHECK SAVED  OVERWRITES  LEN
SEFM903 * APPLICATION    1          0          0          0          8
SEFM903 * ADABAS         0          0          0          0         32
SEFM903 * SYSMAIN        0          0          0          0         13
SEFM903 * SYSTEM FILE    2          0          0          0         24
SEFM903 * PROGRAM        0          0          0          0         17
SEFM903 * BROKER         0          0          0          0         32
SEFM903 * NET-WORK       0          0          0          0          0
SEFM903 * SQL SERVER     0          0          0          0          0
SEFM904 * USERS - ACTIVE: 1 FREE: 55 OVEWRITES: 0

```

Explanation: Operator command for general statistics was issued.

SEFM910 *SAF SERVER – LIST ALL ACTIVE USERS

```

SEFM910 * SAF SERVER - LIST ALL ACTIVE USERS
SEFM911 * USERID        CHECK(+VE)  CHECH(-VE)  CHECK SAVED  OVERWRITES  BUFF
SEFM912 * K11079        3          0          0          0          0

```

Explanation: Operator issued command to display list of currently active users.

SEFM911 *userid . . .

| SEFM911 * NXB | CHECK (+VE) | CHECH (-VE) | CHECK SAVED | OVERWRITES | BUFF |
|-----------------------|-------------|-------------|-------------|------------|------|
| SEFM912 * APPLICATION | 1 | 0 | 0 | 0 | 0 |
| SEFM912 * DBMS CHECK | 0 | 0 | 0 | 0 | 0 |
| SEFM912 * SYSMAIN | 0 | 0 | 0 | 0 | 0 |
| SEFM912 * SYSTEM FILE | 2 | 0 | 0 | 0 | 0 |
| SEFM912 * PROGRAM | 0 | 0 | 0 | 0 | 0 |
| SEFM912 * BROKER | 0 | 0 | 0 | 0 | 0 |
| SEFM912 * NET-WORK | 0 | 0 | 0 | 0 | 0 |
| SEFM912 * SQL SERVER | 0 | 0 | 0 | 0 | 0 |

Explanation: Operator issued command to display statistics specific to a currently active user.

SEFM913 * NO ACTIVE USERS FOUND IN SAF SERVER

Explanation: No active users were found in ADASAF.

SEFM914 * REQUESTED USER user-id NOT FOUND IN SAF SERVER

Explanation: The requested user was not found in ADASAF.

SM-PINxxxxxn—PIN Routine Messages

This section describes the messages produced in the plug-in (PIN) modules of the error handling and message buffering facility.

PINAUTOR Messages

SM-PINTAUTOR1 FILE NUMBER NOT FOUND IN THREAD

Explanation: An autorestart error occurred and PINAUTOR attempted to exclude the file from autorestart processing. Because the file number is not contained in the thread, it is not possible to exclude the file and the nucleus terminates.

Action: Follow normal procedures for the parameter error 31 message.

SM-PINAUTOR2 WILL EXCLUDE FILE file-number FROM AUTORESTART

Explanation: The parameter error 31 message is related to the file number indicated in the message. The file has now been excluded from autorestart processing and an attempt will be made to perform autorestart without the file.

Action: An excluded file may become inconsistent and need to be restored from a backup using ADASAV RESTORE.

SM-PINAUTOR3 MAXIMUM NUMBER OF FILES EXCLUDED FROM AUTORSTRT

Explanation: The maximum number of files allowed to be excluded has been exceeded.

Action: Adjust the number of files allowed for exclusion in ADASMXIT and retry autorestart, or restore and regenerate your database.

SM-PINAUTOR4 FILE OR RESPONSE CODE INVALID FOR EXCLUSION

Explanation: The file or response code has been specified as ineligible for exclusion in ADASMXIT.

Action: Modify the ADASMXIT table to allow the response code or file and retry autorestart or follow the same recovery guidelines as for a parameter error 31.

SM-PINAUTOR5 NOT POSSIBLE TO EXCLUDE RSP response-code

Explanation: The response code encountered may not be excluded

Action: Follow the recovery guidelines as specified for a parameter error 31

SM-PINAUTOR6 CANNOT EXCLUDE SYSTEM FILE

Explanation: The error relates to the checkpoint or security file. It is not possible to exclude either of these files.

Action: Follow the recovery guidelines as outlined for a parameter error 31.

NUCLEUS ERROR MESSAGES AND RESPONSE CODES

This chapter describes error messages and response codes issued by the Adabas nucleus. These result from either normal or abnormal conditions that occur when starting the nucleus or when issuing Adabas nucleus commands.

Nucleus Start-Up Error Messages

This section describes error messages and response codes issued by the Adabas nucleus. These errors may occur during nucleus startup, usually as the result of an ADARUN parameter error. The nucleus prints an error message and then terminates with an abnormal end (ABEND) code of 20 (see the ABEND code descriptions in chapter 4).

Refer to the *Adabas Operations Manual*, chapter 1, for a description of the ADARUN parameters.

These error messages have the following format:

PARM-ERROR nnn [DETECTED DURING SYSTEM OPEN]

—where “nnn” is one of the start-up errors and has the corresponding meaning described here. The error message may be followed by a brief error description.

PARM ERROR 1

Explanation: The Associator dataset(s) could not be opened, or an error occurred during GCB processing:

- invalid or incorrect DEVICE parameter;
- missing or invalid DD/ASSOR1–5 JCL or datasets;
- mismatching database ID; or
- missing checkpoint file.

This error may result from a dataset not located on a cylinder boundary.

Action: For single-user mode, the appropriate Adabas job control statements must be specified.

PARM ERROR 2

Explanation: Data Storage dataset(s) could not be opened. This probably indicates invalid DD/DATAR1–5 JCL or datasets, or a dataset not located on a cylinder boundary.

Action: For single-user mode, the appropriate Adabas job control statements must be specified.

PARM ERROR 3

Explanation: The Work dataset could not be opened, or the last Work block was not readable. This probably indicates invalid DD/WORKR1 JCL or dataset, or a dataset not located on a cylinder boundary.

Action: For single-user mode, the appropriate Adabas job control statements must be specified.

PARM ERROR 4

Explanation: The value of the ADARUN statement's number of threads (NT) parameter is invalid. The allowed range is from 3 to 250.

PARAM ERROR 5

Explanation: The value of the ADARUN statement's number of hold queue elements (NH) parameter is invalid. The allowed range is from 20 to 16,777,215.

PARAM ERROR 6

Explanation: The value of the ADARUN statement's user queue element count (NU) parameter is invalid. The allowed range is from 20 to 16,777,215.

PARAM ERROR 7

Explanation: The value of the ADARUN statement's user ISN hold queue count (NISNHQ) is invalid. The allowed maximum is the smaller of 1/4 the NH parameter value and 65,535.

PARAM ERROR 8

Explanation: The value of the ADARUN statement's command queue element count (NC) parameter is invalid. The allowed range is from 20 to 32,767.

PARAM ERROR 9

Explanation: The value of the ADARUN statement's Adabas cluster nucleus ID (NUCID) is invalid. The maximum value is 65000.

PARAM ERROR 10

Explanation: The value of the ADARUN statement's ISN list table length (LI) parameter is invalid. The minimum value is 2000.

PARM ERROR 11

Explanation: The value of the ADARUN statement's sequential command table (LQ) parameter is invalid. The minimum value is 2000.

PARM ERROR 12

Explanation: The value of the ADARUN statement's buffer pool length (LBP) parameter is invalid. The minimum value is 80,000.

PARM ERROR 13

Explanation: The value of the ADARUN statement's internal format pool (LFP) parameter is invalid. the minimum value is 6000.

PARM ERROR 14

Explanation: The value of the ADARUN statement's work pool length (LWP) parameter is invalid. The minimum value is 80,000.

PARM ERROR 15

Explanation: The value of the ADARUN statement's sort area length size (LS) parameter is invalid. The allowed range is from 19,968 to (LWP/2) -19,968.

PARM ERROR 16

Explanation: The value of the ADARUN statement's security pool length (LCP) parameter is invalid. The allowed range is from 2000 to 16,777,215.

PARM ERROR 17

Explanation: The size of Work part 1 (the value of the ADARUN statement's LP parameter) is less than 200 blocks or greater than the Work dataset size minus the space required for Work part 2 (the LWKP2 parameter), Work part 3 (minimum of 50 blocks), and, if used, Work part 4 (the LDTP parameter).

PARM ERROR 18

Explanation: Fewer than 50 blocks are available for Work part 3. Autorestart has been executed.

PARM ERROR 19

Explanation: The DBID of the general control block (GCB) and DBID stored on the Work dataset do not match. The Work dataset contains autorestart information for a different database (DBID).

PARM ERROR 20

Explanation: GETMAIN below the 16MB line failed.

PARM ERROR 21

Explanation: The general control block (GCB) contains an invalid device type. The GCB may have been overwritten, damaged, or otherwise destroyed.

PARM ERROR 22

Explanation: An I/O error occurred when writing ASSO. The region is too small. The RABN that was to be written is printed.

PARM ERROR 23

Explanation: A nucleus entry already exists in the data integrity block (DIB) for one of the following reasons:

- An attempt was made to start a nucleus while another update nucleus was still active; or
- The previous nucleus session terminated abnormally but the “nucleus” DIB entry was not removed.

Action: If a DIB entry remained after an abnormal termination, rerun the job with the ADARUN IGNDIB=YES parameter.

PARM ERROR 24

Explanation: An I/O error occurred when reading ASSO. The RABN that was to be read is printed.

PARM ERROR 25

Explanation: The Adabas nucleus cannot be started because a conflicting utility DIB entry was found. Either a utility with exclusive database control or an ADASAV (SAVE FILE or SAVE database) job is running.

Action: If an ADASAV SAVE FILE or ADASAV SAVE (database) ended abnormally, the nucleus can be restarted with the ADARUN IGNDIB=YES parameter; however, the save tape cannot be used for future RESTORE operations.

PARM ERROR 26

Explanation: Interregion communication could not be established.

Action: Restart the nucleus with the ADARUN parameter FORCE=YES.

Note:

*Specifying FORCE=YES with the DBID of a currently active nucleus can disrupt operations on that nucleus. In addition, users of the old database whose ID is overwritten by the FORCE=YES option lose access to the database. Therefore, FORCE=YES should **only be specified if absolutely necessary**. For more information, refer to the FORCE parameter description in the Adabas Operations Manual.*

PARM ERROR 27

Explanation: The ADARUN statement's PLOGRQ parameter is specified as or defaults to YES, FORCE, or SEL, but a protection log and related parameters have not been provided.

PARM ERROR 28

Explanation: The protection log (PLOG) dataset(s) could not be opened, or the last dual or multiple PLOG block was not readable. This is probably due to incorrect PLOG dataset definition, specification, or job control statements.

PARM ERROR 29

Explanation: Invalid command log (CLOG) device definition.

PARM ERROR 30

Explanation: FREEMAIN error.

PARM ERROR 31

Explanation: System autorestart error (see the nucleus response code).

PARM ERROR 32

Explanation: Error during buffer flush.

PARM ERROR 33

Explanation: Error during Work initialization.

PARM ERROR 34

Explanation: The nucleus is not allowed to start with READONLY=YES when an autorestart is pending.

PARM ERROR 35

Explanation: File control block (FCB) check failed. The FCB may have been overwritten or otherwise destroyed.

PARM ERROR 36

Explanation: Timer initialization failed, or operator communication could not be established.

PARM ERROR 37

Explanation: GETMAIN in common storage (CSA) failed; interregion communication could not be established. The specific reason is given in a detailed ADAMnn message.

PARM ERROR 38

Explanation: DIB overflow.

PARM ERROR 39

Explanation: Work pool is too small for the number of threads.

Action: Increase the LWP parameter value to at least 25 kilobytes times the number of threads.

PARM ERROR 40

Explanation: Database version mismatch: the database is not version *version revision-level*.

Action: Run the ADACNV utility to bring the database to the correct version.

PARM ERROR 41

- Explanation:* Parallel participant table (PPT) initialization error:
- an I/O error occurred reading or writing a PPT block (RABN); or
 - a PPT length error occurred when a bad PPT block was encountered.
- 1 an error occurred reading the PPT block (RABN) to determine the PLOG entries from the last database session.
 - 2 an error occurred trying to obtain the constant set for the PPT.
 - 3 an error occurred in the PPT verification routine.
 - 4 the PPT area is full; that is, there are already 32 active PPT entries.
 - 5 an error occurred attempting to check for any active PPT blocks.
 - 6 an error occurred while reading the PPT block prior to updating it.
 - 7 a bad file name was detected in the PPT for the Work dataset.
 - 8 an error occurred trying to obtain the constant set for the PPT in order to log the Work dataset in the PPT for the first time (no previous entry was found in the PPT for the Work dataset).
 - 9 a bad file name was detected in the PPT for the Work dataset when logging the PPT entry for the first time (no previous entry was found for the Work dataset).
 - 10 an error occurred trying to obtain the constant set for the PPT entry in order to override a previous PPT entry.
 - 11 a bad file name was found when attempting to log the PLOGR1 dataset in the PPT.
 - 12 a bad file length was found when attempting to compare the new PLOGR1 dataset against the old one.
 - 13 a bad file name was found when attempting to log the PLOGR2 dataset in the PPT.
 - 14 a bad file length was found when attempting to compare the new PLOGR2 dataset against the old one.
 - 15 an error occurred trying to obtain the constant set for the PPT prior to updating the PPT. Either a different PLOG dataset was detected or no PLOGs are being used.

- 16 an error occurred when trying to obtain the constant set for the PPT prior to writing the PPT.
- 17 an error occurred when attempting to read the PPT block to ensure that no other nucleus is currently using the same PLOG.
- 18 an error was detected in the PLOG dataset name when attempting to compare the current entry against other active entries in the cluster.

PARM ERROR 42

Explanation: Error detected during system open:

- error writing PPT RABN; or
- a Work dataset was already in use by another nucleus.

PARM ERROR 43

Explanation: Error detected during system open:

- either a PLOG was supplied that was different from the one used in the previous session, or no PLOG was supplied. The PLOG from the previous session has not yet been copied.
- PLOGRQ=FORCE was specified and either the PLOG from the previous session has not yet been copied or a UEX2 or UEX12 has not been specified.

PARM ERROR 44

Explanation: A noncluster nucleus attempted to start after a cluster failure; or, the first cluster nucleus is starting but there are already active blocks in the PPT. The nucleus is not allowed to start. Switching from single-nucleus mode to multi-nucleus cluster mode or from multi-nucleus cluster mode to single-nucleus mode is not allowed after an abnormal session termination.

PARM ERROR 45

Explanation: GETMAIN above the 16MB line failed; memory-related parameters probably too big.

PARM ERROR 46

Explanation: UQE could not be generated.

Action: Increase NU parameter.

PARM ERROR 47

Explanation: An I/O error occurred when reading or writing Work. The RABN that was to be read or written is printed.

PARM ERROR 48

Explanation: An error occurred during checkpoint generation:

- the takeover of checkpoints generated by offline utilities failed; or
- creation of the session start checkpoint failed.

PARM ERROR 49

Explanation: An I/O error occurred while reading or writing dual or multiple PLOGs. The RABN that was to be read or written is printed.

PARM ERROR 50

Explanation: Dual or multiple PLOG contains data from another database.

PARM ERROR 51

Explanation: Parameter conflict: READONLY=YES is not permitted with UTIONLY=YES.

PARM ERROR 52

Explanation: No dual or multiple PLOG available for protection logging. All PLOGs are due to be copied.

PARM ERROR 53

Explanation: At least one of the specified PLOG datasets is already in use by another nucleus in the cluster.

PARM ERROR 54

Explanation: IGNDIB=YES was specified but the DIB does not contain a conflicting nucleus or utility entry.

Action: Remove the IGNDIB parameter.

PARM ERROR 55

Explanation: Error while attempting to lock or unlock a global resource. An ADAN54 message preceding this parameter error indicates the specific global resource that could not be locked/unlocked.

PARM ERROR 56

Explanation: A DIB entry was found with an inconsistent group name. The associated nucleus may still be active. The DIB entry can be removed only by a nucleus of the same type (single, cluster) and the same CLUGROUPNAME as the DIB entry's owner.

PARM ERROR 57

Explanation: DIB entry missing. Another cluster nucleus is already active on this database, but its DIB entry is not present.

PARM ERROR 58

Explanation: The Work block size is too small to store the maximum compressed data record permitted in this database according to MAXRECL definition.

Action: Increase the Work block length.

PARM ERROR 59

Explanation: The Work block size is too small for the largest Associator block size present in this database.

PARM ERROR 60

Explanation: The PLOG block size is too small to store the maximum compressed data record permitted in this database according to MAXRECL definition.

PARM ERROR 61

Explanation: Important fields in the GCB changed while this nucleus was starting. The nucleus is not able to handle this situation.

Action: Restart the nucleus.

PARM ERROR 62

Explanation: CPU timer initialization failed.

PARM ERROR 63

Explanation: RRDF=YES is not allowed. Note that the RRDF/ENET option for maintaining shadow databases is currently unavailable for cluster nuclei.

PARM ERROR 64

Explanation: An attempt was made to start a version 7.2 or above nucleus without first formatting the protection logs (PLOGs). PLOGs must be formatted when converting to version 7.2 or above.

PARM ERROR 65

Explanation: The ADARUN statement's NSISN parameter value is greater than the allowed maximum of $(\text{Work block size} - 6) / 4$.

PARM ERROR 66

Explanation: The ADARUN statement's LU parameter specifies a value greater than the byte count implied by the NAB (number of attached buffers) parameter. The error was detected during open operation.

PARM ERROR 67

Explanation: Initialization failed for DTP=RM or DTP=TM.

Action: See message(s) that precede this parameter error.

PARM ERROR 68

Explanation: Invalid parameter specified with DTP=TM:

- single user mode (MODE=SINGLE) is not allowed.
- LOCAL=YES is not allowed.
- READONLY=YES is not allowed.
- LDTP (Work part 4) specified with a nonzero value is not allowed.

If it is necessary for some reason to hold data about incomplete transactions in the TM, LDTP with a nonzero value can be specified but IGNDTP=YES must also be specified. The IGNDTP parameter is for emergency use only and should only be used in consultation with your Software AG technical support representative.

Warning:

Whenever the data on Work part 4 is ignored, the integrity of the incomplete global transactions that are related to that data cannot be guaranteed.

PARM ERROR 69

Explanation: Value specified for the DTP parameter is invalid.

Action: Specify RM or TM or NO.

PARM ERROR 70

Explanation: Error during generation of predefined formats:

- Reading system-file FCB or FDT failed;
- Translating internal format failed; or
- Pool for system-internal formats is too small.

PARM ERROR 71

Explanation: Invalid parameter specified with NUCID:

- MODE=SINGLE is not allowed.
- READONLY=YES is not allowed.
- LFIOP must be nonzero.
- DTP parameter must be set to NO.
- If protection logs are used, dual or multiple PLOGs must be specified.
- MXMSG must be between 1 and 32767

PARM ERROR 72

Explanation: Initialization of recovery logging failed.

PARM ERROR 73

Explanation: Response code 75 or 77 was received because the checkpoint file is full. Checkpoints from offline utilities may have been lost.

Action: Start the nucleus with UTIONLY=YES and reorder/increase the checkpoint file.

PARM ERROR 74

Explanation: The database will not start until the PLOG datasets have been copied or reformatted. Most likely, the database was restored and the PLOG datasets had not yet been copied. They still may be needed for the regenerate function.

Action: If the contents of the PLOG datasets are needed for a possible future regenerate function, run ADARES PLCOPY to copy them off. If the PLOGs are not needed, reformat them using the ADAFRM PLOGFRM function. In either case, start the nucleus after freeing the PLOG datasets.

PARM ERROR 75

Explanation: The nucleus cannot run with the recovery log (RLOG) feature if it runs without PLOG or if PLOGRQ=SEL is specified. The protection log (PLOG) dataset is not available; that is, PLOGRQ=SEL or PLOGRQ=NO is specified.

PARM ERROR 76

Explanation: DTP=TM or DTP=NO is specified, but LDTP is specified with a nonzero value.

Action: Start the nucleus with DTP=RM or IGNDTP=YES.

If it is necessary for some reason to hold data about incomplete transactions in a non-RM nucleus, LDTP with a nonzero value can be specified but IGNDTP=YES must also be specified. The IGNDTP parameter is for emergency use only and should only be used in consultation with your Software AG technical support representative.

Warning:

Whenever the data on Work part 4 is ignored, the integrity of the incomplete global transactions that are related to that data cannot be guaranteed.

PARM ERROR 77

Explanation: Machine clock (STCK) problem. The system was IPLed with the clock not set and running or set to an invalid date.

Action: Correct the date (timestamp) and restart the nucleus.

PARM ERROR 78

Explanation: Work part 2 has become too small because Work part 4 contains two-phase commit data that must be retained.

PARM ERROR 79

Explanation: The ENET user exit 10 is missing.

PARM ERROR 80 SUBCODE=subcode

Explanation: ADACLU initialization failed and the nucleus terminated for one of the following reasons:

- 50 ADACOM was not found.
- 51 The maximum number of nuclei was exceeded.
- 53 The IDTH prefix was invalid.
- 54 The nucleus table was invalid.
- 55 The user table was invalid.
- 56 The GETMAIN was not successful.

Action: User actions that correspond to particular subcodes are as follows:

- 50 Start ADACOM
- 51 Increase the number of nuclei specified in the ADACOM parameter NU.
- 56 Increase the size of the region. If the problem persists, notify your Software AG technical support representative.

For the other subcodes, notify your Software AG technical support representative.

PARM ERROR 81

Explanation: A read-only (READONLY=YES) or single-user (MODE=SINGLE) nucleus cannot start if DTP=RM is specified.

PARM ERROR 82

Explanation: During session open, the system detected that a Delta Save logging (DLOG) area was installed but parameter DSF was not set to YES. DSF=YES must be specified to run with the Delta Save Facility.

Action: Restart the nucleus with parameter DSF=YES.

Alternatively, restart the nucleus with parameter DSF=NO; the nucleus then removes the DLOG area and runs in non-Delta Save mode.

Warning:

After switching to non-Delta Save mode, it is not longer possible to perform delta save operations.

PARM ERROR 83

Explanation: Initialization of the Delta Save Facility failed. A preceding Delta Save operator message indicates the cause of the failure.

Action: Check messages from ADADSF.

PARM ERROR 84

Explanation: The DSF logging area could not be removed. Another Adabas cluster nucleus is already running with Delta Save Facility active.

Action: Start the nucleus with DSF=YES.

PARM ERROR 85

Explanation: The nucleus cannot start. The last session ABENDED due to an overflow of the Work dataset.

Action: Restore and regenerate the database.

PARM ERROR 86

Explanation: VOL-SER table could not be established.

PARM ERROR 87

Explanation: Entire Conversion Services (ECS) initialization failed.

PARM ERROR 88

Explanation: A database that uses Universal Encoding Support (UES) needs a version 7 or above Adabas router. If the database uses UES features, it cannot work with an Adabas router (ADASVC) version 6.2 or below.

Action: Install a version 7.1 or above router (ADASVC).

PARM ERROR 89

Explanation: The length of Work part 4 (LDTP parameter) can only be decreased if the area is empty. Work part 4 contains data about incomplete transactions and therefore cannot be made smaller.

PARM ERROR 90

Explanation: Invalid ADATCP configuration or UES=NO. Running with TCPIP=YES requires universal encoding support.

Action: Check and correct, if necessary, the TCPURL parameter. Install UES and specify UES=YES.

PARM ERROR 91

Explanation: Adabas cluster initialization failed. Either the program was not running authorized or the GETMAIN failed.

Action: Ensure that the program is APF-authorized. Review the space requirements for your system. If you are unable to determine the problem, contact your Software AG technical support representative.

PARM ERROR 92

Explanation: During session open, an attempt to join the Adabas cluster communication group failed. This error initializing the Adabas cluster messaging service is preceded by other messages explaining the specific error.

PARM ERROR 93

Explanation: Connect to lock structure failed.

Action: Review the lock structure definition requirements. If you are unable to determine the problem, contact your Software AG technical support representative.

PARM ERROR 94

Explanation: Connect to cache structure failed.

Action: Review the cache structure definition requirements. If you are unable to determine the problem, contact your Software AG technical support representative.

PARM ERROR 95

Explanation: Communication with other active Adabas cluster nuclei failed.

Action: Review the requirements for communication between cluster nuclei running on the same operating system image and between operating system images running members of the cluster. If you are unable to determine the problem, contact your Software AG technical support representative.

PARM ERROR 96

Explanation: Inconsistent structure name. Another Adabas cluster nucleus is already running with a different CLUCACHENAME or CLULOCKNAME parameter.

Action: Ensure that all nuclei in a sysplex cluster use the same coupling facility cache and lock structure names.

PARM ERROR 97

Explanation: Incompatible global parameters. Another Adabas cluster nucleus is already running with incompatible global parameters that cannot be modified online.

Action: Reset nonmodifiable global ADARUN parameters the same for all cluster nuclei. You may be required to stop nuclei, change the parameter settings, and restart.

PARM ERROR 98

Explanation: Locking/unlocking an Adabas cluster resource failed.

Action: Contact your Software AG technical support representative.

PARM ERROR 99

Explanation: Internal error.

Action: Contact your Software AG technical support representative.

PARM ERROR 100

Explanation: There are more than 31 nuclei in an Adabas Parallel Services cluster; this is not allowed.

Action: Reconfigure your Adabas Parallel Services cluster so that you have 31 or fewer participating Adabas nuclei.

PARM ERROR 101

Explanation: Invalid parameters specified with CLOGMRG=YES; LOGGING=YES is required; dual or multiple CLOGs are required.

Action: Specify the correct ADARUN parameters and restart the session.

PARM ERROR 102

Explanation: A cluster nucleus was started after abnormal termination with a different WORK dataset. The PPT indicates that the previously used WORK dataset still contains data, but this Cluster Service or Parallel Service nucleus was started with a different WORK dataset.

Action: Restart the cluster nucleus with the previously used WORK dataset. Change the WORK dataset only after normal termination.

Nucleus Response Codes

After each Adabas command is processed, a response code is returned in bytes 11 and 12 of the Adabas control block. Some response codes also return a subcode in the rightmost two bytes of the control block's additions 2 field. This section describes those response codes and subcodes.

Note:

Proprietary functions of Adabas may also return response codes and subcodes, some of which are not described here. Refer to the documentation for those functions for more information.

Response code 0 indicates that the Adabas command was processed successfully; any other response code is returned as a result of an error during command processing.

All Adabas commands resulting in a response code other than 0, 1, and 145 restore all Adabas control block fields except the response code field (see the *Adabas Command Reference Manual*) to the contents the fields held at the beginning of command execution.

For internal errors, contact your Adabas technical support representative.

Response 0

Explanation: The command was executed successfully.

Response 1

Explanation: Depending on the subcode in the rightmost two bytes of the additions 2 field, one of the following has occurred:

- 1 An online SAVE operation cannot be executed without the nucleus' PLOG.
- 2 The selected record is not allowed.
- 3 S2 command did not have enough space.
- 4 S2/S9 internal program error.
- 5 System was not in save status at the end of an online ADASAV.

Note:

When one of the subcodes 2–4 is present, the cause could be an Sx command using security-by-value that found at least one ISN.

Action: Increase the ADARUN LS parameter value.

Response 2

Explanation: This response code can only occur with a BT or ET command. The BT or ET command executes successfully. One of the following has occurred:

- The user ET data in the record buffer was longer than 2048 bytes (ET with E option). ISNs could not be held because there was not enough space in the hold queue.
- 1 Adabas attempted to hold an ISN already being held by another user.
 - 2 The number of ISNs as specified in the ISN buffer was too large compared to the ISN buffer length (ET or BT command with the M option).
 - 4 ISN is not on hold during multifetch ET/BT. ET/BT has successfully executed the ISNs so far released. The remaining ISNs are still on hold.

Response 3

Explanation: One of the following has occurred:

- An end-of-file or end-of-list condition was detected.
- A program tried to read/change a multicient file's record using either a blank or incorrect-length owner ID, or an owner ID that is not allowed for the record.

Response 7

Explanation: A complex search command was rejected because it was estimated that it would exceed the maximum search time TLSCMD.

Response 8

Explanation: The current user's command was interrupted to prevent a Work overflow because of a pending backout operation.

Action: The value specified for the LP parameter might have to be increased.

Response 9

Explanation:

A subcode appears in the low-order (rightmost) two bytes of the additions 2 field indicating the specific cause and action for this response code. The following are the subcodes and their meanings:

- 1 The user was backed out because the hold queue was full.
Action: Set the ADARUN hold queue (HQ) parameter higher, or “tune” the application to issue more frequent ET commands.
- 2 The transaction time limit (TT) has been exceeded, and the transaction was backed out.
Action: Correct the cause of the timeout, then restart the transaction.
- 3 One of the following is the case:
 - The transaction non-activity time limit (TNAE, TNAX, or TNAA) has been exceeded.
 - The user was stopped by the STOPF or STOPI operator, or an Adabas Online System command.
 - A security violation response code has been returned for an ET-logic user. Information about response codes for security violations is provided in the *Adabas Security Manual*.*Action:* Correct the cause of the timeout, then restart the transaction.
- 15 The user was backed out because a pending Work area overflow occurred during this operation.
Action: Either reduce the transaction length to lessen the data protection area requirement, or increase the protection area on Work.
- 17 At the end of an online recovery process that was initiated after the failure of a peer nucleus in an Adabas cluster, the nucleus was unable to reacquire the ETID specified by the user in the additions 1 field of the OP command.
Action: (In the application program:) Redo the OP command with the ETID specified in the additions 1 field to reacquire the user ID. Contact your Software AG technical support representative.
- 18 The user’s active transaction was interrupted and backed out because a peer nucleus in an Adabas cluster terminated abnormally.
Action: (In the application program:) Rerun the transaction.

- 19 The user's active command was interrupted and stopped because a peer nucleus in an Adabas cluster terminated abnormally. If the interrupted command was using a command ID (CID), the command ID is deleted.
Action: (In the application program:) Clean up and reacquire the current context pertaining to Adabas command IDs; rerun the transaction.
- 20 The Adabas cluster nucleus assigned to the user terminated while the user had an open transaction. The transaction has been or will be backed out.
Action: (In the application program:) If the user was defined with a user ID (ETID) in the additions 1 field of the OP command, redo the OP command to reacquire the ETID; clean up and reacquire the current context pertaining to Adabas command IDs; rerun the transaction.
- 62 An OP (open) command was issued without a user/ET ID, which is required for this type of application or environment.
Action: Correct the program to specify a user/ET ID, and rerun the program.
- 63 An OP command was given for an ET user not in ET status. The user is backed out with an Adabas-generated BT command, and the operation is closed.
Action: Repeat the OP call.
- 64 An OP command was issued with an 8-byte ET ID that already exists.
- 66 An Adabas session with OPENRQ=YES was active and the user issued an Adabas command without having issued an OP command.
Action: Ensure that all users issue an OP command as the first Adabas command.
- 67 Insufficient Work part 1 space for open command with ETID definition when trying to read the user profile.
- 80–89 Issued by the Adabas Transaction Manager (ATM). Consult the *Adabas Transaction Manager Manual* for detailed information.

Response 10

Explanation: Too many occurrences for a periodic group.

Response 17

Explanation: A subcode appears in the the low-order (rightmost) two bytes of the additions 2 field indicating the specific cause and action for this response code. The following are the subcodes and their meanings:

- 1 The program tried to access system file 1 or 2, and no OP command was issued.
Action: Restructure the program to begin with an OP command.
- 2 The program tried to access system file 1 or 2, and the user is not authorized.
Action: Change the program to avoid the access.
- 4 One of the following occurred:
 - The specified file number is invalid.
 - When running with ADARUN DTP={RM | TM}, an attempt was made by a non-ATM user to access/update an ATM system file.
- 5 The file is either not loaded, or has been locked by another user for privileged use. For ADAORD and ADAINV utility operations, the write phase has started and use of the file is now blocked for the type of operation you requested.
- 6 An E1 (delete record) command was given without specifying a valid file number.
- 7 The program tried to perform an LF command on system file 1 or 2.
- 8 The program tried to access a file that was not listed in the file list of an open (OP) executed with the R option.
- 9 The file that the program attempted to access is completely locked. This is usually because the five extents have been used.
Action: Reorder, then unlock the file. Continue operation.

- 10 The program attempted to access a file which is locked with exclusive EXU status.
- 11 An LF command (read FDT) was run on a file that is not loaded; neither the FCB nor the FDT exists.
- 12 File has been locked with LOCKF.
- 18 File has been locked with ALOCKF.
- 21 Not enough space for encoding elements (ECSE).
- 22 The required ECS objects needed for conversion between user and system data representation could not be loaded.
- 23 ECS object could not be located. The following objects must be available in the encoding objects library: File Alpha, File Wide EDD, User Alpha, User Wide EDD, and the PTOs for the combinations between file/user alpha/wide encodings.
Action: Check that the required EDD and PTO objects are available.
- 24 ECS function get_attribute() failed.
Action: The function's return code is logged with the nucleus message ADAN7A.
- 25 One of the following occurred:
 - A required encoding attribute was missing in an ECS object (encoding type, class, and flags)
 - The default space character length was > 4
 - Default space table allocation failed
 - If DBCS-only plane exists, wide space character was undefined, or the length > 4, or wide space table allocation failed

Response 18

Explanation: Invalid file number usage. The file number was modified between successive L2/L5 calls.

Response 19

Explanation: An attempt was made to update a file which was opened for access only. The leftmost two bytes of additions 2 may contain the file number.

Response 20

Explanation: One of the following invalid values was used for a command ID value:

- X'00000000'
- X'40404040'
- X'FFxxxxxx'

User Action: Avoid usage of any of the above command ID values.

Response 21

Explanation: An invalid command ID value was detected. One of the following explanations or subcodes is provided:

- The command ID value specified with the GET NEXT option of an L1/L4 command was not found.
 - The command ID value was not found and the L3/L6 call was not an initial call.
 - The command ID value specified for the L3/L6 command was assigned to another L2/L5 or L9 command.
 - The command ID value specified for the L9 command was assigned to another L2/L5, L3/L6 or L9 command.
 - An invalid global format ID was specified.
 - The command ID is already present in the format pool, but for another file.
- 1 The command ID value was not found in the sequential command table. Either this is not an initial call and there was no previous initial call, or the initial call was issued for another file.
 - 6 The command ID value specified for the S8 command was not found.

- 7 The command ID value specified was assigned to an internal format buffer for a different file.
- 8 The command ID value specified for the S8 command is for an unsorted ISN list.
- 9 An application running with PREFETCH=YES or PREFETCH=OLD attempted to dynamically reverse the read direction of an L3/L6/L9 command. This is not allowed.

Response 22

Explanation:

The command is invalid. A subcode appears in the low-order (rightmost) two bytes of the additions 2 field indicating the specific cause and action for this response code.

When using the LNCSTUB module, this response code may indicate problems with the initial call (IC) to the Adabas CICS command-level link component. If the Adabas control block shows a command code of "IC", the link routine being used may not be at the proper release level or may not be the command-level version.

The following are the subcodes and their meanings:

- 1 The nucleus detected an invalid command code.
Action: Correct the command code, and rerun the program.
- 2 This command cannot be issued by an ACC (access only) user.
- 3 This command cannot be performed on a read-only nucleus.
- 4 This privileged command was issued without a previous OP (open) command.
- 5 The command is not valid for a nonprivileged user.
- 6 The command was rejected by user exit 1.
- 7 Incorrect command options were specified for a privileged command.
- 8 The command is invalid for an ET user in preliminary ET status. First complete the transaction using Adabas Transaction Manager.
- 9 The current user is not authorized to issue an ET/BT command.

- 10 The C2 command is no longer permitted.
- 11 The C3 command can only be issued by EXU users.
- 12 The L1/4 command with the option “F” is not valid for expanded files.
- 14 Invalid privileged command.
- 15 An L1 command specified the multifetch option “M” or “O” combined with either the “I” or “N” option.
- 16 The user does not have “privileged” command authorization.
- 17 Not permitted during online save.
- 18 Applications using the ADALNK X'48 call logic receive this response when the logic has been suppressed.
- 21 ET command is invalid for a distributed transaction managed by Adabas Transaction Manager.
- 22 The current transaction has already been heuristically terminated.
- 23 BT command is invalid for a distributed transaction managed by the Adabas Transaction Manager.

Response 23

Explanation: An invalid starting ISN was specified for an L2/L5 command sequence:

- The ISN was not assigned to a record in the file; or
- The ISN was greater than the MAXISN in effect for the file.

Response 24

Explanation: S9 command:

- The ISN list in the ISN buffer was already sorted; or
- The ISN list in the ISN buffer contained an invalid ISN; or
- The “D” option was specified when trying to sort an ISN list by ISN.

Response 25

Explanation: The ISN specified in ISN lower limit field for an S1/S4 or S2/S9 command was not found.

Response 26

Explanation: An invalid ISN buffer length for an S9 command was detected. The number of ISNs to be sorted as provided in ISN quantity is equal to 0.

- 2 An S9 command with an ISN buffer contains ISNs that are higher than the TOP-ISN of the file.

Response 27

Explanation: Sufficient work space was not available to accommodate the combined sizes of the search and value buffers as indicated in the search buffer length and value buffer length fields.

- 1 Sufficient work space was not available to generate the format translation.

Response 28

Explanation: The first two bytes of the additions 1 field contained an invalid descriptor for an L3/L6 or S2/S9 command:

- the additions 1 field contained a descriptor different from that contained in the search buffer; or
- the field was not a descriptor; or
- the descriptor was changed between successive calls; or
- the descriptor is contained within a periodic group.

Response 29

Explanation: L3/L6 command; a value repositioning was attempted (bytes 3–4 of the additions 1 field contain spaces) and the command option 2 field did not contain the value “V”. The command ID is released.

Response 34

Explanation: An invalid command option has been detected.

Action: Either remove the invalid command option or replace it with a valid option.

Response 35

Explanation: The user/DBA attempted to perform a function for a noncluster Adabas nucleus that is available only for an Adabas cluster database.

Response 40

Explanation: One of the following syntax errors was detected in the format buffer:

- The terminating period was missing.
- The first position contained a period.
- Length and/or format was specified with a range definition.
- An invalid element was detected.
- The L9 descriptor name in the search buffer did not agree with the name in the format buffer.
- Format 'C.' was specified for an update command.

Response 41

Explanation: One or more of the following specification errors occurred in the format buffer:

- A phonetic descriptor or hyperdescriptor was specified;
- Field specification error:
 - the specified field name is reserved for edit masks;
 - the field is not in the selected file.

- Indexing error:
 - no index was specified for a periodic-group name or field;
 - a group or multiple-value field index greater than 191 was specified;
 - the specified index was zero (0);
 - the specified index range is descending;
 - indexes are missing for some of the multiple-value fields specified;
 - a reference to a multiple-value field count is missing an index.
- Periodic-group error:
 - a reference to a periodic group is missing an index;
 - the command specified a group containing a multiple-value field;
 - a periodic-group reference specifies a length/format;
 - no index was specified in a periodic-group reference.
- Group error: a group reference specified a length/format.
- Multiple-value field error:
 - a count was specified for a non-multiple-value field;
 - the methods for indexing multiple-value fields were mixed. Only one type of indexing can be used in the format buffer.

User Action: Correct the specification error and reissue the command or job. For more information about syntax rules for multiple field and periodic group indexing, refer to the *Adabas Command Reference Manual*.

Response 42

Explanation: One of the following space problems occurred:

- The internal format buffer was too small to store a user format (translated into internal structure);
- The Work pool was too small to store a user format.

Response 43

Explanation: L9 command; the descriptor specified in the format buffer did not agree with the descriptor specified in the search buffer.

Response 44

Explanation: One of the following format buffer errors occurred:

- 1, 3 The format buffer specification was invalid (conditional format buffers are not allowed for update operations).
- 2, 4 The L9 command's format buffer format is not allowed for other commands.
- 5 The L9 command specified a conditional format in the format buffer.
- 6 A floating-point field was addressed using a length other than 4 or 8; or a fixed-point field was addressed using a length other than 4.

Response 45

Explanation: The internal format buffer requires more than 32K.

Response 46

Explanation: The maximum value for the NQCID parameter was exceeded (the number of TBI and/or TBQ elements is greater than NQCID).

Response 47

Explanation: The maximum value for the NISNHQ parameter was exceeded. This value is 1/4 the ADARUN NH parameter value up to 65535.

Response 48

Explanation: An error occurred during OP (Open) command processing. Refer to the hexadecimal subcode that appears in the low-order (rightmost) two bytes of the additions 2 field.

- 1 A specified file is locked against the requested use.
- 2 A specified file is currently in conflicting use.
- 3 A utility cannot start because an online save operation is in progress.
- 5 A utility requiring exclusive database control cannot start because an online save operation is in progress.
- 6 A utility that requires exclusive database control cannot start because the user queue is not empty.
- 8 The user ID specified in the open command is already in use by another user.
- 9 An EXU/EXF/UTI lock was requested in the open command, but the file is currently in the file list of a user in UPD/EXU/EXF/UTI status.
- 10 An EXF/UTI lock was requested in the open command, but the file is currently in the file list of a user in ACC status.
- 11 A nonprivileged user issued an open command to a nucleus in UTIONLY status.
- 13 Online file save attempting to run on an advance-locked file.
- 14 UPD/ACC open attempted against advance-locked file.
- 15 A file requested for an online utility (Adabas Online System or ADADBS) or an E1 program refresh is currently being used.
- 16 ACODE or WCODE was specified in the record buffer on the OP command but the nucleus was not activated with UES support.
- 17 A specified file is locked against the requested use and is advance-locked.
- 18 A second OP command was issued by a user who is participating in a two-phase commit (preliminary ET completed; final ET outstanding) or whose transaction has been heuristically terminated.
- 20 A regenerate/backout with exclusive database control is rejected because there are in-doubt transactions or heuristically terminated transactions on Work part 4.

35–40 Reserved for Adabas Transaction Manager.

Response 49

Explanation: The compressed record was too long. It exceeds the maximum permitted compressed record length for the file. The following subcodes may be indicated:

- 1 Multiple-value (MU) field.
- 2 Periodic (PE) group field.
- 3 MU field.
- 4 PE group.
- 5 PE group level.
- 6 Remaining fields.
- 7 Record too long for protection logging (internal error).
- 10 Long alpha or wide field.

Response 50

Explanation: A syntax error in the record buffer was detected during processing of an OP command.

Response 51

Explanation: An error in the record buffer was detected during processing of an OP command.

Response 52

Explanation: One of the following errors occurred while processing the record, value, or search buffer (the rightmost two bytes of the additions 2 field contain the subcode; for subcodes 1–5, the leftmost two bytes contain the Adabas name of the field where the error occurred):

- 1 Invalid packed or unpacked decimal value in record buffer.
- 2 Invalid length for variable-length field specified in record buffer.
- 3 Invalid null value or no value at all provided for field with NN option.
- 4 Invalid value for S element in record buffer.
- 5 Invalid value for S element in value buffer.
- 6 Encoding a collation descriptor value failed: the collation descriptor exit issued a return code.
- 7 Decoding a collation descriptor value failed: the collation descriptor exit issued a return code.

Response 53

Explanation: One of the following errors occurred:

- 0 The record buffer is too small.

Action:

If the record buffer size

- conflicts with the lengths specified in the format buffer, change either the record buffer size or the format buffer specifications to resolve the conflict.
- conflicts with the established global format ID (GFID), either release the GFID or change the record buffer size to match the GFID.
- default is too small to hold the records in the file including the DVT when running the ADAULD utility, increase the size of the record buffer by setting the ADAULD LRECL parameter. See the *Adabas Utilities Manual* for more information.

- 2 The ISN buffer is too small.

Action:

Increase the size of the buffer.

Response 54

Explanation:

The record buffer for a C3, C5, or ET command is too long. The maximum allowed is 2048 bytes. The following subcodes (in hexadecimal) may be indicated:

- 1 The record buffer for the C3 command is too long.
- 2 The record buffer for the C5 command is too long.
- 3 The record buffer for the ET command is too long.

User Action: Correct the record buffer specification, then reissue the C3, C5, or ET command.

Response 55

Explanation: One of the following occurred:

- During a read-type operation, a field defined with the SQL null (NC) option contained a null value, but the format buffer held no “S” (significant null) indicator for the field.

Additions 2 may contain the field name in the leftmost two bytes; the rightmost two bytes may contain the offset into the record buffer.

- Attempted format conversion was not possible due to incompatible data formats or other compatibility problems.

Additions 2 contains the field name in the leftmost two bytes; the rightmost two bytes contain the subcode:

- 0 Conversion error on record decompression.
 - 1 Invalid conversion between formats.
 - 2 Invalid length for fixed encoding. For example, user encoding Unicode with code-point size of 2 bytes and no even length specified.
 - 4 Conversion error of a floating-point field (underflow) when converting to/from a non-IBM floating-point format.
 - 8 Conversion error of a floating-point field (overflow) when converting to/from a non-IBM floating-point format.
 - n Data between user and system data representation could not be converted without error and 2-byte error code from ECS.
- 255 Field length exceeded maximum for variable fields.

Response 56

Explanation: One of the following occurred:

- The descriptor value was too long; or
- n The collation value exceeded the maximum 253 bytes. The subcode “n” is the collation descriptor exit number.

Response 57

Explanation: L9 command; the descriptor specified in the search buffer or in the additions 1 field was invalid, or the descriptor was not specified.

Response 58

Explanation: The format could not be found (as defined within format selection criterion).

Response 59

Explanation: Format conversion of a subfield is not possible. The source field has “F” or “G” format.

Response 60

Explanation: A syntax error was detected in the format or search buffer. Generally, the first two bytes of the additions 2 field contain the two characters under inspection when the error was detected. The rightmost two bytes of the additions 2 field contain one of the following subcodes, which further defines the error:

- 1 Format buffer length is invalid.
- 2 Invalid syntax element in the search buffer.
- 3 Missing start/ending apostrophe for literal value.

- 4 Literal of zero bytes.
- 5 Invalid delimiter or missing period.
- 6 Missing close parentheses “)”.
- 7 Empty criterion: soft coupling or conditional format.
- 8 Invalid second character in a “FN” definition.
- 9 Edit mask number greater than 15.
- 10 Invalid character following field name specification.
- 11 Invalid form of case ABN(xxx)/ AB3(xxx)/ AB3-6(1-4).
- 12 More than 8 digits for a numeric value is not permitted.

Response 61

Explanation: One of the following errors was detected in the search buffer:

- The length of a descriptor value was greater than 253.
- Invalid file number specification.
- Invalid usage of the “S” or “N” operator.
- The element order was invalid.
- The specified field was not a descriptor.
- The specified field has the “LA” option active.
- A descriptor contained in a periodic group was specified without an index.
- Invalid connection of partial criteria and/or different indices were used for a descriptor contained within a periodic group.
- Invalid periodic group index.
- Invalid or disallowed use of a phonetic descriptor.
- A descriptor derived from or contained in a periodic group is not allowed.
- The FROM-TO operator was specified with a phonetic descriptor.
- Invalid FROM-TO range specification, or the FROM value was greater than the TO value.

- The BUT NOT value was outside the range of the preceding FROM–TO range.
- An invalid command option was specified for ISN LIST processing (S8 command).
- The search buffer “S” significant null indicator was specified with a value operator other than “EQ” (equals), which is not allowed.

Response 62

Explanation: One of the following has occurred:

- The length of the search and/or value buffers as specified in the search and value buffer length fields, respectively, was not sufficient to accommodate the search criteria specified.
- The first character in the search buffer was a “.”
- The search buffer does not contain a “.”

Response 63

Explanation: The command ID value specified in the search buffer was not found.

Response 64

Explanation: This response code is used for communication with Adabas utilities and Adabas Online System (AOS), and was returned for one of the following reasons:

- The requested function cannot be performed on Adabas system (including checkpoint and security) files. Refer to the ADAREP output report for a list of the system files, or to the subcodes in the job output for more information.
- An error occurred in an AOS or utility function. For AOS, a subcode is displayed in the error message, following the AOS module number. For utility functions, the subcodes are described within the message text.

Action: If you do not understand the action to take for a response code 64 and/or subcode, note the subcode and the function that caused the response code, and call your Software AG technical support representative for assistance.

Response 65

Explanation: An internal error occurred. The nucleus detected a space calculation error.

Response 66

Explanation: An incompatible owner ID was detected during an update operation on a multiclient file. The owner ID may be blank, or too long.

Response 67

Explanation: One of the following errors occurred:

- An internal error occurred while executing an Sx command.
- 2 An error occurred during superfield generation.

Action: Retain all related information, and contact your Software AG technical support representative for assistance.

Response 68

Explanation: A nondescriptor field was used as a search criterion, and the non-descriptor search facility has been set “OFF” (the default for this facility is “ON”).

Action: The ADARUN parameter NONDES has been set to reject non-descriptor searches; either reset the NONDES parameter to its default value, or remove non-descriptor searches from your application. Natural provides a trace facility which locates such Natural application characteristics. Contact Software AG for details.

Response 70

Explanation: An overflow occurred in the table of sequential commands.

Action: The DBA may increase the value used for the LQ parameter and/or RC commands may be used.

Response 71

Explanation: An overflow occurred in the table of resulting ISN lists.

Action: The DBA may increase the value used for the LI parameter and/or RC commands may be used.

Response 72

Explanation: One of the following errors occurred:

- 7 An overflow occurred in the user queue.
- 8, 9 An overflow occurred in the user queue file list pool.

Action: The DBA may increase the value used for the NU parameter.

Response 73

Explanation: An overflow occurred in the section of the Work dataset in which resulting ISN lists are stored.

Action: The DBA may increase the size of the Work dataset and/or the number of saved ISN lists during an Adabas session may be decreased.

Response 74

Explanation: No space was available on the Work dataset for complex find commands.

Action: The DBA may increase the size of the Work dataset.

Response 75

Explanation: An additional Associator or Data Storage space was required for a file and the maximum of 5 extents had already been allocated. BT or autorestart could cause the file to be locked because of inadequate extent space (see response code 48).

Action: Ask the DBA for assistance; Associator or Data Storage extents may have to be reallocated.

Response 76

Explanation: An overflow occurred in an inverted list index (the maximum is 15 levels).

Response 77

Explanation: Sufficient space was not available for a required Associator or Data Storage extent. The following subcodes further define the error:

- 1 FST empty.
- 2 AC START RABN not available.
- 3 AC END RABN not available.
- 4 FST will not fit into five ASSO blocks.
- 5 FST exhausted trying to allocate AC extent.
- 6 ASSO space allocation RABN not on device.
- 7 ASSO space on required device not available.
- 8 FROM RABN available, but contiguous space is not sufficient.
- 9 Data Storage space of the requested size is not available.
- 10 Data Storage space on the same device as the previous extent is not available.
- 11 FST is empty, or data storage for the current MAXRECL value is not available.
- 12 FST empty.

Response 78

Explanation: The cause of this response is indicated by one of the following subcodes:

- 1 The AC file cannot be increased; only one file extent is permitted.
- 2 The file contains more than either 4 billion or 16 MB of ISNs, depending on the ISN length.

Action: If the file has reached the 16-MB limit, you might convert it to a file with the 4-byte ISN option or to an expanded file.

Response 79

Explanation: Either a collation descriptor exit (subcode 'CDX'n where "n" is the one-byte binary collation descriptor exit number) or a hyperdescriptor exit ("hyperexit") was not specified in ADARUN.

Action: Reissue ADARUN with the CDXnn or HEXnn parameter. Refer to the *Adabas Operations Manual* for more information about ADARUN parameters, and to the *DBA Reference Manual* for a description of user exits.

Response 82

Explanation: A hyperexit routine returned an invalid ISN.

Response 83

Explanation: Hypertable overflow.

Response 84

Explanation: Too many values were present for a subdescriptor or a superdescriptor.

Response 85

Explanation: Too many descriptor values were present for an update or add record command.

Response 86

Explanation: A hyperdescriptor exit return error occurred for one of the following reasons:

- An incorrect sign for a packed descriptor value was created.
- A value with an incorrect length byte was returned.
- The ISN was changed by an update command.

Response 87

Explanation: The Adabas buffer pool is locked; it is too small to accommodate all blocks needed for (parallel) command execution.

Action: Check the length of the buffer pool (LBP) as follows:

- 1 Check the LBP value with DPARM.
- 2 Increase the ADARUN LBP parameter value;
- 3 Retry the operation. If the error recurs, call your Software AG support representative for assistance.

Response 88

Explanation: When this response code occurs, refer to the hexadecimal subcode that appears in the low-order (rightmost) two bytes of the additions 2 field. Following are the subcodes and their meanings.

- 1 Sufficient LWP work pool space was not available.

Action: Do one or both of the following:

- Check the “high water mark” for the work pool.

- Increase the LWP ADARUN parameter value and retry the operation.

When subcode 1 occurs during session autorestart, the NU parameter value may be too small. If it recurs, call Software AG technical support for assistance.

- 2 The space or hold queue resources needed to execute the command could not be acquired. This can occur if the nucleus is in single-user mode (MODE=SINGLE), or multiuser mode with only one thread in use when the command attempts to acquire space.
- 4 There are space problems in the workpool during update. This can occur if there is not enough free space in the workpool (LWP) for the updated DVT (the limit is 32K) or if the update command needs more than one-eighth of the LWP.

Action: Increase the LWP ADARUN parameter value and retry the operation.

Response 89

Explanation: The UQE was already in use, and an attempt was made to execute two commands at the same time for the same user.

Response 95

Explanation: An I/O error occurred on the Work LP area.

Response 96

Explanation: An error occurred during ADARES REPAIR utility execution.

- 2 An I/O error occurred during nucleus termination; additions 2 may contain RABN.

Response 97

Explanation: An I/O error occurred during buffer flush. Additions 2 may contain RABN.

Response 99

Explanation: An I/O error occurred.

Response 101

Explanation: Adabas Fastpath processing error. Refer to the hexadecimal subcode that appears in the low-order (rightmost) two bytes of the additions 2 field:

- 1 L9 sequence optimization encountered an unexpected COP2=I.
- 2 L3/L9 direct optimization internal error.
- 3 Internal call mechanism not functioning. User exit B may have rejected the call.
- 4 Unexpected RC command during sequence optimization.
- 5 Sx command sequential optimization update error.

Response 102

Explanation: Space calculation error.

Action: Retry the open operation.

Response 106

Explanation: The prefetch table record buffer specified in the UCB is too small.

Response 107

Explanation: Either a GETMAIN error occurred or there was insufficient space when performing prefetch. Prefetch is switched off.

Response 109

Explanation: The specified command ID is already active on another database for this user.

Response 110

Explanation: The command ID pool is full.

Action: Increase the size of either or both the ADARUN NQCID or NU parameters.

Response 113

Explanation: The specified ISN was invalid because one of the following occurred:

- An HI command was issued with ISN less than MINISN.
- An N2 command was issued with ISN equal to 0 or larger than the MAXISN in effect for the file.
- An N2 command was issued and the specified ISN was assigned to another record in the file.
- An A1, L1/L4, E1, or S1/S2/S4 (with FB) command was issued for a nonexistent ISN.
- An N1/N2 command tried to access a file protected by security-by-value, but the command user is not authorized to access the file.
- A read or update command tried to access a multiclient file's record using either a blank or incorrect-length owner ID, or an owner ID that does not apply to the record.

Response 114

- Explanation:* One of the following occurred:
- A refresh file function using the E1 command was issued, and is not allowed.
 - ISN=0 was specified for the E1 command.

Response 123

Explanation: An error was reported by the Adabas cluster messaging service on the sender's side. The message was not sent. One of the following subcodes may be present:

- 4 No valid destination(s)
- 8 Too many destinations
- 12 Invalid message type
- 16 Invalid environment
- 20 Send buffer length exceeded
- 24 Receive buffer length exceeded
- 28 No replies or acknowledgement(s)
- 32 Unable to allocate AXMCB
- 36 Timed out on originating system
- 40 Timed out on destination system
- 44 Cancelled on destination system
- 48 Receive error on destination system
- 52 Unable to allocate buffer
- 80 Messaging is inactive
- 96 Terminate member unsuccessful
- 128 Other transport service error

Action: If you are unable to resolve the problem, contact your Software AG technical support representative.

Response 124

Explanation: An error was reported by the Adabas cluster messaging service on the receiver's side. The message was sent. One of the subcodes described for response code 123 may be present.

Action: If you are unable to resolve the problem, contact your Software AG technical support representative.

Response 125

Explanation: An internal error occurred when one cluster nucleus attempted to issue an internucleus command to one or more of the other cluster nuclei. This condition usually leads to abnormal termination.

Action: Contact your Software AG technical support representative.

Response 126

Explanation: A messaging error occurred during internucleus communication:

- The nucleus did not respond within the allotted time (see the ADARUN MXMSG parameter); or
- One or more problems occurred in what could be a broadcast; that is, a communication with multiple targets. In this case, each individual ACB contains either response code 0 or 123 or 124.

Action: If you are unable to resolve the problem, contact your Software AG technical support representative.

Response 129

Explanation: In an Adabas cluster environment, the user attempted to perform an Adabas function that is not yet supported by Adabas cluster nuclei.

Response 130

Explanation: An internal error identified by one of the following subcodes occurred in an Adabas sysplex cluster environment:

- 2 user table entry (UTE) not found in MPM 8 call
- 3 command queue entry (CQE) not found in MPM 8 call
- 4 intermediate user buffer (IUB) not found in MPM 8 call
- 5 Adabas control block not found in MPM 8 call
- 6 invalid UTE on nucleus chain
- 7 invalid UTE on user chain add
- 8 invalid UTE on the "lura" chain (that is, the linked list of UTEs representing local users remotely assigned) delete
- 23 invalid CQE

Action: Contact your Software AG technical support representative.

Response 144

Explanation: One of the following occurred:

- The ISN specified with an update (A1) command was not in hold status for the user, and command option "H" was not specified.
- An ET or BT command specifying the "M" (multifetch) option specified an ISN in the ISN buffer that is not in hold status for the user. All currently held ISNs are released from hold status.

Response 145

Explanation: One of the following occurred:

- An N1/N2 command was issued, but no hold queue entry was available.
- A command was issued with the return option specified that attempted to hold an ISN already in the hold queue for another user. The command is not placed in "wait" status.

- 9 Two or more users became deadlocked while holding ISNs and attempting to put more ISNs in hold status.

Response 146

Explanation: An invalid buffer length was detected by the Adabas interface routine.

Response 147

Explanation: The ISN was invalid. The ISN transformation resulted in a negative ISN or an ISN greater than the maximum ISN permitted for the file.

Response 148

Explanation: The Adabas nucleus was either not active, or not accessible.

Refer to the hexadecimal subcode that appears in the low-order (rightmost) two bytes of the additions 2 field.

Note:

*If you are running with Entire Net-Work, the **leftmost** two bytes of the additions 2 field may also contain the ID of the Entire Net-Work node that issued this response code.*

- 1 Exclusive database control requirement conflicts with read-only nucleus status.
- 2 A nonprivileged call was made to the nucleus while it was in utility-only (UTI) mode.
- 3 The nucleus is performing an ADAEND operation, and either a new user is attempting to begin operation or an existing user in ET status is trying to continue operation.
- 4 A utility with exclusive database control is running.
- 5 A single-user nucleus could not start operation due to an error that could not be corrected.

Response 151

Explanation: A command queue overflow occurred.

Note:

*If you are running with Entire Net-Work, the **leftmost** two bytes of the additions 2 field may also contain the ID of the Entire Net-Work node that issued this response code.*

Action: The DBA may increase the value for the NC parameter and/or the command may be issued when a lower level of command activity is in effect.

Response 152

Explanation: The internal user buffer was not large enough to contain the user buffer areas.

Action: The DBA should increase the value of the LU parameter.

Response 153

Explanation: A “CALL ADABAS” was issued by a user while a previous call for the user was still being processed.

Response 154

Explanation: A command was rejected because it resulted in a trigger being fired, but the queue is full at this time.

Action: Retry the command.

Response 155

Explanation: A command resulted in a pre-command trigger being fired. The triggered procedure returned a nonzero command, so the command was not executed.

Action: Check the additions 4 field for the error returned from the procedure.

Response 156

Explanation: A command resulted in a post-command trigger being fired. The triggered procedure returned a nonzero command, indicating an unsuccessful execution of the procedure.

Action: Check the additions 4 field for the error returned from the procedure.

Response 157

Explanation: A command resulted in either a pre- or post-command trigger being fired; however, Adabas Triggers has been shut down with the option to reject all commands that result in a trigger being fired.

Action: Determine the cause of the shut-down and resolve the problem. If rejection of commands is not the required action in such a situation, then set the error action field in the Adabas Triggers profile to halt or ignore.

Response 159

Explanation: The Adabas link module is missing or invalid. One of the following occurred:

- No Adabas link module is linked to the Natural nucleus and the Adabas link module specified in the Natural profile parameter ADANAME could not be loaded.
- (CICS only) The loaded Adabas link module is macro-level in a command-level only environment.

Action: Check the setting of the Natural profile parameter ADANAME and/or provide the correct version of the Adabas link module in one of the current steplibs.

Response 160

Explanation: Too many Associator and Data Storage blocks were marked as active in the buffer pool for a single command.

Response 161

Explanation: The RABN chain in the header list of the Adabas buffer pool is invalid.

Response 162

Explanation: No additional space is available for Adabas buffer pool header blocks.

Response 163

Explanation: The RABN to be linked into the RABN header chain is already in the chain.

Response 164

Explanation: Too many work areas were allocated for the command.

Response 165

Explanation: A descriptor name was either invalid or did not exist in the descriptor value table (DVT). The leftmost two bytes of additions 2 may contain the descriptor name. If this occurred for an expanded file, check to see if there is an FDT mismatch between the components of the file.

Response 166

Explanation: An error was detected in an inverted list index. The cause may be damage in the Associator.

Response 167

Explanation: The field in a coupled file does not exist or the coupled list is invalid.

Response 168

Explanation: An internal command ID required during coupling processing was not found.

Response 170

Explanation: The Adabas RABN required for the command could not be located for one of the following reasons:

- The buffer segment was called with a RABN of zero.
- The specified RABN does not belong to this database and is invalid.

Response 171

Explanation: The constant set used by Adabas could not be located.

Response 172

Explanation: An ISN was less than the MINISN or greater than the MAXISN setting in effect for the file.

Response 173

Explanation: An invalid Data Storage RABN was detected.

Response 174

Explanation: For an L2/L5 command with start ISN, the Data Storage RABN stored in the address converter for the file is invalid.

Response 175

Explanation: An inconsistency was detected between the index and Data Storage.

Action: Run the “check” utilities (especially ADAICK and ADAVAL) against the file, and contact your Software AG technical support representative.

Response 176

Explanation: One of the following occurred:

- An inconsistency in an inverted list was detected.
- An internal error occurred during inverted list processing.

Action: Run ADAICK to determine whether an inconsistency exists in an inverted list. If not, contact your local Software AG technical representative.

Response 177

Explanation: A record could not be found in the Data Storage block in which it should have been contained as indicated by the address converter. If this response code is returned to the ADAULD UNLOAD utility function with the parameter SORTSEQ, the file might be inconsistent and data lost.

Action: Check the file with the “check” utilities, especially ADAACK, and contact your Software AG technical support representative.

Response 178

Explanation: An internal error occurred when updating a multiple-value field:

- 1 Inconsistency in descriptor value table (DVT).
- 2 An inconsistency was detected between the field definition table (FDT) and the internal format buffer.
- 3 Inconsistency when updating a phonetic descriptor.

Response 179

Explanation: Internal error; identifier could not be found in Work part 3.

Response 181

Explanation: Autobackout was executed and the start of a transaction could not be located.

Response 182

Explanation: Necessary ET data was not found in the appropriate Work block.

Response 183

Explanation: An internally assigned number for a database I/O operation was detected as invalid.

Response 184

Explanation: A phonetic field name could not be found.

Response 185

Explanation: The ADAM field could not be found in the compressed record.

Response 197

Explanation: The DEUQ pool is too small.

User Action: Increase the ADARUN LDEUQP parameter.

Response 198

Explanation: An attempt was made to duplicate a descriptor value for a unique descriptor. The leftmost two bytes of additions 2 may contain the descriptor name.

Response 199

Explanation: An inconsistency in the inverted list index was found during an update operation. The leftmost two bytes of additions 2 may contain the descriptor name. This response code can also occur if UTYPE=EXU was specified for an ADARES BACKOUT operation that uses the sequential (SIBA) log.

Response 200

Explanation: Either an invalid cipher code or an Adabas or Adabas SAF Security security violation was detected.

From Adabas SAF Security processing, the command could not satisfy the necessary security checks and may be accompanied by a subcode as follows:

- 0 A standard user check failed.
- 1 There is no free user file cache entry for a workstation user.
- 2 A cross-level security check failed.
- 3 No security information is available for the command.
- 4 A timeout occurred during a workstation logon.

Response 201

Explanation: The password specified was not found.

Response 202

Explanation: An attempt was made to use a file for which the user is not authorized, or the file password is being changed.

User Action: Either correct the authorization, or retry the operation with the new password.

Response 203

Explanation: An attempt was made to delete a record in a file for which the user is not authorized.

Response 204

Explanation: A password pool overflow occurred.

Response 207

Explanation: Adabas SAF Security completed phase 1 of logon and requested phase 2. This is an internal Adabas SAF Security and ADALNK two-phase response code for a remote workstation logon. This code is normally not displayed or presented.

User Action: Send a phase 2 logon request to Adabas SAF Security.

Response 208

Explanation: As an Adabas SAF Security remote user, you should execute a phase 1 logon. The logon ID and your password are sent to Adabas SAF Security. This response indicates that two-phase logon can continue.

Action: If the user application receives this response, it is on a workstation platform that does not have the proper Adabas link routine installed. This response code is intercepted by the workstation Adabas link routine and phase 1 logon is performed.

Response 209

Explanation: Adabas SAF Security detected an expired password on the server.

Action: Create a valid password on the server for ACF2, RACF, or Top Secret. Entire Net-Work users may use the Adabas SAF Security feature.

Response 210

Explanation: Logical ID greater than 255 (internal error).

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

Response 211

Explanation: Invalid ID table index in UB (internal error).

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

Response 212

Explanation: Invalid input/output buffer for internal command.

Response 213

Explanation: ID table not found (SVC not properly installed).

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

User Action: Inform the DBA. The Adabas installation procedure was not properly executed.

Response 214

Explanation: Internal command issued from Adabas version 4 Adalink.

Response 215

Explanation: SVC 04/16 call received from Adabas version 4 Adalink, with Adabas version 5/6/7 UB or AMODE=31.

Response 216

Explanation: Command rejected by user exit.

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

Response 217

Explanation: Command rejected by user exit.

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

Response 218

Explanation: UB (TP monitor user block) pool is too small. There must be at least one user block for each concurrent user. This is controlled by the TP monitor link routines. The GETMAIN for the UB failed.

User Action: Increase the UB pool by respecifying the NUBS parameter in the link routines. See the ADAGSET macro information in the *Adabas Installation Manual*.

Response 219

Explanation: This response code should only occur when Adabas Transaction Manager is being used.

- 2 The global transaction is not in the status that allows the call.
- 3 No transaction ID (XID) entries exist.
- 4 The “R” and “J” options are not supported; or this is not a global transaction. The transaction ID (XID) either does not exist or cannot be found (for example, when the given XID does not belong to the UQE).
- 5 The record or value buffer definition may be invalid; for example, the length size may be invalid (less than or equal to 144 bytes); or the value buffer content may be invalid; for example, it may not contain a valid transaction ID (XID).
- 6 The user is not an update or ET user or is already involved in a global transaction.
- 7 The transaction was backed out.
- 8 The transaction ID (XID) already exists; or the transaction was committed.
- 9 The system is currently locked due to a pending Work area 4 overflow.
- 10 The call is not permitted; ADAEND is in process for the nucleus.

Response 220-227 (Entire Net-Work response codes)

Explanation: These response codes are reserved for Entire Net-Work.

User Action: Refer to the appropriate Software AG Entire Net-Work manuals for more information on the meanings and use of these response codes.

Response 228

Explanation: This response is issued by an Adabas link routine. It indicates that an ASCII-formatted user request has been issued against an EBCDIC-formatted database that is not properly configured to handle the translation:

- 1 The SVC is not a valid Adabas version 7 SVC.
- 2 The database is not UES-enabled.

User Action: Ensure that your Adabas installation is UES-enabled. Refer to the *Adabas Installation Manual* and the *Adabas DBA Reference Manual* for more information.

Response 229 (Entire Net-Work response code)

Explanation: This response code is reserved for Entire Net-Work.

User Action: Refer to the appropriate Software AG Entire Net-Work manuals for more information on the meaning and use of this response code.

Response 231-239 (user-defined response codes)

Explanation: These response codes are assigned in some Adabas user exits, and have meanings as defined by the user. One example is the response code in the ADALOG log data field issued by user exit 4.

User Action: Refer to the *Adabas DBA Reference Manual* description of user exits for more information.

Response 240-244 (Adabas Transaction Manager response codes)

Explanation: These response codes relate to the installation of the Adabas Transaction Manager.

Action: Consult the *Adabas Transaction Manager Manual* for more information.

Response 245

Explanation: This response code is issued for communication problems between add-on products that use the system coordinator (COR) interface to Adabas; that is, Adabas Fastpath, Adabas Vista, Adabas SAF Security, and Adabas Transaction Manager.

- 1 Internal error.
- 2 A required module could not be loaded. This is probably an installation error.

Action: For subcode 1, contact your Software AG technical support representative. For subcode 2, consult the installation instructions for the add-on product.

Response 251

Explanation: An error occurred in Adabas cluster processing.

Under certain conditions, the Adabas cluster SVC (SVCCLU) component of the ADASVC returns response code 251 in the ACB's response code field, along with a hexadecimal subcode (listed below in decimal) in the low-order (rightmost) two bytes of the additions 2 field.

- If the local SVCCLU detects the condition, the subcode will range from 2 through 30.
- If a remote SVCCLU detects the condition, it will range from 102 through 130.

Note:

*If you are running with Entire Net-Work, the **leftmost** two bytes of the additions 2 field may also contain the ID of the Entire Net-Work node that issued this response code.*

- 2 The remote cluster nucleus to which the user is assigned cannot be accessed.
- 4 There are no user table entries (UTES) available for use.

Action: Increase the NU value on the ADACOM or the first active cluster nucleus.

- 5 Internal error. The nucleus specified by an internal command was not found.
- 7 Internal error. The user was assigned to a remote nucleus by the local system but the remote system found that the nucleus was not active.
- 9 Internal error. The 28-byte user ID is all zeros.
- 17 Entire Net-Work is not active.
- 19 Internal error. Invalid internal command code.
- 20 Remote nuclei are active; command must be assigned remotely but the remote nuclei are not accepting commands.
- 21 The remote image to which the user is assigned has no useable nuclei.
- 22 An attempt was made to assign a user remotely but Entire Net-Work is not active.
- 27 Internal error.
- 28 Version mismatch between the PLXCB and the SVCCLU part of the ADASVC.
- 29 Probably, you used a NUCID value from a restricted range. Otherwise, this is an internal error.
- Action:* Ensure that the NUCID assignments are valid.
- 30 More than 32 NUCIDs were detected for the same SVC/DBID combination.
- Action:* Reduce the number of NUCIDs on the SVC/DBID to 32.
- Action:* For internal errors, contact your Software AG technical support representative. For all other errors except as noted, contact your systems administrator.

Response 252

Explanation: An error occurred during Adabas SVC processing (post error).

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

Response 253

Explanation: An error occurred during Adabas SVC processing (invalid buffer length detected).

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

Response 254

Explanation: The CT parameter limit was exceeded. A BT command is executed (if applicable and necessary); the command queue element and attached buffer are released; and message ADAM93 (or a similar message) is printed or displayed on the console.

If the user is not terminated, this response code is returned to the user program when an internal error occurs during processing of an attached buffer (buffer overflow). Check for one of the following subcodes in the rightmost two-bytes of the additions 2 field:

- 1 UBCQEX is less than or equal to zero
- 2 UBCQEX is greater than CQHNCQES
- 3 CQEFLAG is not equal to CQEFAB plus CQEFW16
- 4 CQEAUB is not equal to A'UB
- 5 CQEAUPL is not equal to A'APL
- 6 The low-order 6 bytes of CQECKSUM does not equal UBCKSUM

- 7 CQE was timed out
- 8 An inconsistency in the CQE such as the following:
 - The CQE was unexpectedly taken by another call
 - The user buffer (UB) is not receiving expected user information
 - The target move data length is inconsistent
- 9 Record buffer overflow
- 10 ISN buffer overflow

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

Response 255

Explanation:

All attached buffers were allocated at the time the command was processed. Buffer allocation (NAB) “high water marks” may not reflect this condition when no buffer allocation occurs.

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

UTILITY MESSAGES AND CODES

The Adabas utilities issue return/condition codes, and may also display error messages. This chapter first lists, alphabetically by utility, the utility error message descriptions and then describes the utility nonzero return codes.

Utility Error Messages

Utility messages are displayed following a title line showing the utility name. The message line itself is displayed, followed by the same “explanation” and/or “action” information shown in this chapter.

Variable information such as jobname, dataset name, return code, ABEND code, or nucleus response code may occur in the message line or in the text following the actual message. These variables are represented in lowercase as either “xxx...xxx” or as “reason”, “nucleus-response”, “job-name”, “ret-code”, and so on. In the actual message these notations are replaced with the actual values. Generally, variables within parentheses () are hexadecimal and those without parentheses are decimal.

When a message includes a nucleus response or ABEND code, the specific code description identifies the cause. See chapter 2 for nucleus response code descriptions, and chapter 4 for ABEND code descriptions.

Errors Common to All Utilities

ERROR-001 ERROR OCCURRED DURING OPENING INPUT FILE DDKARTE : reason

Explanation: The cause is probably a misspelled keyword.

Action: Check the JCL; correct the error and rerun the job.

ERROR-002 I/O ERROR OCCURRED DURING READ ON FILE DDKARTE : reason

Explanation: The cause is probably a misspelled keyword.

Action: Check the JCL; correct the error and rerun the job.

ERROR-003 PARAMETER ERROR, INVALID UTILITY NAME

Explanation: The cause is probably a misspelled keyword.

Action: Check the parameter input; correct the error and rerun the job.

ERROR-004 PARAMETER ERROR, MISSING SEPARATOR

Action: Correct the parameter error or supply the missing separator. Rerun the job.

ERROR-005 PARAMETER ERROR, INVALID SYNTAX

Action: Supply the correct parameter value and rerun the job.

ERROR-006 PARAMETER ERROR, KEYWORD NOT UNIQUE

Action: Check the parameter input; supply the correct keyword in full length and rerun the job.

ERROR-007 PARAMETER ERROR, UNKNOWN PARAMETER

Explanation: The cause is probably a misspelled keyword.

Action: Check the parameter input; correct the error and rerun the job.

ERROR-008 PARAMETER ERROR, UNKNOWN FUNCTION

Explanation: The cause is probably a misspelled keyword.

Action: Check the parameter input; correct the error and rerun the job.

ERROR-009 PARAMETER ERROR, TOO MANY VALUES IN A LIST

Action: Check the parameter input. Supply no more than the maximum number of parameter values permitted, and rerun the job.

ERROR-010 INVALID OR MISSING LEVEL NUMBER

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-011 INVALID OR MISSING FIELD LENGTH

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-012 MISSING '=' (EQUAL SIGN)

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-013 INVALID OR MISSING FIELD OPTION

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-014 MISSING '(' (LEFT PARENTHESIS)

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-015 MISSING ')' (RIGHT PARENTHESIS)

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-016 INVALID OR MISSING START POSITION

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-017 INVALID OR MISSING END POSITION

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-018 MORE THAN ONE PARENT FOR SUB-FIELD/DESCRIPTOR

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-019 MORE THAN 20 PARENTS FOR SUPER-FIELD/DESCRIPTOR

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-020 ONLY ONE PARENT FOR SUPER-FIELD/DESCRIPTOR

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-021 SYNTAX ERROR, INVALID CHARACTER FOUND

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-022 INVALID OR MISSING HYPEREXIT NUMBER OR COLLATING EXIT NUMBER

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-023 NO OR MORE THAN 20 PARENTS FOR A HYPERDESCRIPTOR

Action: See the ADACMP discussion in the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-024 INVALID FIELD NAME

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-025 RESERVED FIELD NAME USED

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-026 INVALID FIELD FORMAT SPECIFICATION

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-027 INVALID OR CONFLICTING FIELD OPTIONS USED

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-028 INVALID MU/PE REPEAT FACTOR

Action: See the *Adabas Utilities Manual* for more information about field definition syntax. Correct the error and rerun the job.

ERROR-029 MULTIPLE FUNCTION KEYWORDS DETECTED

Explanation: This utility performs only one function per execution.

Action: Check the parameter input; correct the error and rerun the job.

ERROR-030 ERROR OCCURRED DURING EXECUTION OF OPEN ASSO : reason

Explanation: The cause is probably incorrect JCL (DDASSOR1, ..., DDASSOR5) or an inconsistent database.

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-031 ERROR OCCURRED DURING EXECUTION OF READ ASSO : reason
RABN : nnnn (xxxxxxxx)**

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-032 ERROR OCCURRED DURING EXECUTION OF WRITE ASSO : reason
RABN : nnnn (xxxxxxxx)**

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-033 ERROR OCCURRED DURING EXECUTION OF CLOSE ASSO :
reason**

Action: Investigate the cause of the error; correct it and rerun the job.

ERROR-034 ERROR OCCURRED DURING EXECUTION OF OPEN DATA : reason

Explanation: The cause is probably incorrect JCL (DDDATAR1, ..., DDDATAR5) or an inconsistent database.

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-035 ERROR OCCURRED DURING EXECUTION OF READ DATA : reason
RABN : nnnn (xxxxxxxx)**

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-036 ERROR OCCURRED DURING EXECUTION OF WRITE DATA : reason
RABN : nnnn (xxxxxxxx)**

Action: Investigate the cause of the error; correct it and rerun the job.

ERROR-037 ERROR OCCURRED DURING EXECUTION OF CLOSE DATA : reason

Action: Investigate the cause of the error; correct it and rerun the job.

ERROR-038 ERROR OCCURRED DURING EXECUTION OF OPEN WORK : reason

Explanation: The cause is probably incorrect JCL (DDWORKR1) or an inconsistent database.

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-039 ERROR OCCURRED DURING EXECUTION OF READ WORK : reason
RABN : nnnn (xxxxxxxx)**

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-040 ERROR OCCURRED DURING EXECUTION OF WRITE WORK :
reason RABN : nnnn (xxxxxxxx)**

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-041 ERROR OCCURRED DURING EXECUTION OF CLOSE WORK :
reason**

Action: Investigate the cause of the error; correct it and rerun the job.

ERROR-042 ERROR OCCURRED DURING EXECUTION OF OPEN TEMP : reason

Explanation: The cause is probably incorrect job control (DD/TEMPR1).

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-043 ERROR OCCURRED DURING EXECUTION OF READ TEMP : reason
RABN : nnnn (xxxxxxx)**

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-044 ERROR OCCURRED DURING EXECUTION OF WRITE TEMP : reason
RABN : nnnn (xxxxxxx)**

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-045 ERROR OCCURRED DURING EXECUTION OF CLOSE TEMP :
reason**

Action: Investigate the cause of the error; correct it and rerun the job.

ERROR-046 ERROR OCCURRED DURING EXECUTION OF OPEN SORT : reason

Explanation: The cause is probably incorrect job control (DD/SORTR1 or DD/SORTR2).

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-047 ERROR OCCURRED DURING EXECUTION OF READ SORT : reason
RABN : nnnn (xxxxxxx)**

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-048 ERROR OCCURRED DURING EXECUTION OF WRITE SORT : reason
RABN : nnnn (xxxxxxx)**

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-049 ERROR OCCURRED DURING EXECUTION OF CLOSE SORT :
reason**

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-051 ERROR OCCURRED DURING EXECUTION OF OPEN dataset/file :
reason**

Explanation: The cause is probably incorrect JCL.

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-052 ERROR OCCURRED DURING EXECUTION OF READ dataset/file :
reason RABN : nnnn (xxxxxxxx)**

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-053 ERROR OCCURRED DURING EXECUTION OF WRITE dataset/file :
reason RABN : nnnn (xxxxxxxx)**

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-054 ERROR OCCURRED DURING EXECUTION OF CLOSE dataset/file :
reason**

Action: Investigate the cause of the error; correct it and rerun the job.

ERROR-055 ENCODING KEY VALUE EXCEEDS MAXIMUM OF 4095

Explanation: Valid encoding keys are in the range 1-4095.

Action: See the *Utilities Manual*, appendix C for a list of valid encoding keys.

ERROR-058 RECOVERY LOG NOT AVAILABLE

Explanation: The Adabas Recovery Aid is active, but an error occurred when the utility attempted to initialize RLOG dataset processing.

Action: ADARAC returns reason code **rr: reason text**. See also the accompanying ADARxx message.

ERROR-059 ERROR DURING RECOVERY LOGGING

Explanation: The utility was not able to record its operation in the recovery log. The utility continues and will terminate with return code 4.

Action: ADARAC returns reason code **rr: reason text**. See also the accompanying ADARxx message.

ERROR-060 blocks-EXTENT SPACE ALLOCATION FAILED FOR FILE file-number(s)

Explanation: An attempt to allocate an AC extent of size “blocks” for the file or files specified failed. Probable causes of the failure include

- not enough free space available.
- conflicting XXRABN parameter.
- enough free space available, but not on devices that can satisfy the MAXRECL value for this file.
- only one AC extent permitted.
- If ISNSIZE=3, more than 16,777,215 (X'FF FF FF) ISNs;
if ISNSIZE=4, more than 4,294,967,294 (X'FF FF FF FE) ISNs.
- more than 5 extents.

Action: Correct the error and rerun the job.

ERROR-064 ERROR WRITING DSST : response-code

Explanation: The nucleus returned response code “nn” while writing the DSST to the database. The file(s) being accessed remain(s) in an inaccessible state.

Action: Investigate the cause of the problem; correct the error and rerun the job.

ERROR-065 DATA BASE ID MISMATCH : THE ADARUN DBID IS dbid-a BUT THE GCB CONTAINS DBID dbid-b

Explanation: One of the following occurred:

- the wrong database was accessed; or
- an input parameter specified an incorrect database ID.

Action: Correct the error and rerun the job.

ERROR-066 FILE file-number IS PASSWORD PROTECTED

Explanation: A password-protected file “file-number” cannot be processed without the nucleus. The nucleus is required to access the Adabas security file and to validate the supplied password.

Action: Start the Adabas nucleus and rerun the job.

ERROR-067 INVALID OR MISSING PASSWORD FOR FILE file-number

Explanation: The requested file “file-number” is password protected.

Action: Supply the correct password and rerun the job.

ERROR-068 UTILITY COMMUNICATION BLOCK OVERFLOW

Explanation: Too many utilities are running in parallel.

Action: Inform your database administrator.

ERROR-069 CHECKPOINT BLOCK OVERFLOW

Explanation: The Associator block containing data for checkpoints written offline is filled.

Action: Start the nucleus to pick up information currently stored in the offline checkpoint area; then rerun the job.

ERROR-070 ERROR WRITING CHECKPOINT : response-code

Explanation: The nucleus returned the specified response code while writing a checkpoint.

Action: Investigate the cause of the error; correct it and rerun the job.

ERROR-071 INVALID VALUE FOR PARAMETER AALT OR DALT

Explanation: The values for the alternate RABNs to be assigned conflict with other parameters.

Action: Supply correct parameter values and rerun the job.

ERROR-072 UNEXPECTED NUCLEUS RESPONSE nucleus-response-code

Explanation: No additional information is available.

Action: Note and keep any related error information or output. Inform your DBA. If necessary, contact your Software AG technical support representative.

ERROR-073 RECORD TOO LONG FOR OUTPUT DATASET

Explanation: An attempt was made to write a record to the sequential output dataset. The length of the requested record exceeded the maximum record length permitted by the I/O system.

Action: Inform your database administrator.

ERROR-074 file-number IS AN INVALID FILENUMBER

- Explanation:* The supplied file number
- is zero;
 - is greater than the MAXFILES parameter in effect for the database;
 - has been duplicated in the file list specified; or
 - represents a system file and is greater than 255.
- Action:* Supply a correct file number and rerun the job.

ERROR-075 THE PARAMETER parameter IS MUTUALLY EXCLUSIVE TO ONE OR MORE OTHER PARAMETERS SUPPLIED IN THE INPUT

- Explanation:* The setting of the specified parameter conflicts with at least one other parameter setting in the related utility job. See the *Adabas Utilities Manual* description of the utility syntax for more information.
- Action:* Change or remove one of the mutually exclusive parameter settings, and rerun the job.

ERROR-076 MANDATORY PARAMETER parameter MISSING

- Action:* Add this parameter and rerun the job.

ERROR-077 I/O ERROR DURING EXECUTION OF A SEQUENTIAL READ ON FILE ddname : reason

- Action:* Investigate the cause of the error; correct it and rerun the job.

ERROR-078 ERROR OCCURRED DURING OPENING OF FILE ddname FOR OUTPUT : reason

- Explanation:* The cause is probably a misspelling of the DDNAME, incorrect JCL, etc.
- Action:* Investigate the cause of the error; correct it and rerun the job.

**ERROR-079 ERROR OCCURRED DURING CLOSING OF OUTPUT FILE ddname:
reason**

Explanation: The cause is probably a misspelling of the DDNAME, incorrect JCL, etc.

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-080 ERROR OCCURRED DURING EXECUTION OF WRITE COMMAND
TO FILE ddname : reason**

Explanation: The cause is probably a misspelling of the DD/NAME, incorrect JCL, etc.

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-081 ERROR OCCURRED DURING OPENING/CLOSING OF INPUT FILE
ddname : reason**

Explanation: The cause is probably a misspelling of the DD/NAME, incorrect JCL, etc.

Action: Investigate the cause of the error; correct it and rerun the job.

**ERROR-084 GETMAIN ERROR – NOT ENOUGH VIRTUAL MEMORY
REQUESTED LENGTH = count (hex-count) BYTES
MEMORY GOTTEN = count (hex-count) BYTES**

Action: Rerun the job in a larger partition/region.

ERROR-086 INVALID { ASSO / DATA } RABN nnnn : reason

Explanation: This RABN is not defined in the database.

Action: Check the input parameters; correct the error and rerun the job.

ERROR-087 device IS AN UNKNOWN DISK DEVICE TYPE

Explanation: An invalid or unknown device type was found during processing.

Action: Check the input parameters; correct the error and rerun the job.

ERROR-088 ADALNK AND/OR ADANUC NOT PRESENT

Explanation: The Adabas installation procedure was not properly executed.

Action: Inform your database administrator.

ERROR-089 UTILITY NOT PERMITTED TO RUN

Explanation: Another utility has exclusive database control. The table displayed below the message on the terminal screen shows the current contents of the utility communications block. One of the jobs displayed has exclusive database control.

Action: Wait until that job has ended and retry this function.

**ERROR-090 UTILITY NOT PERMITTED TO RUN; FILE NUMBER file-number
IS LOCKED BY ANOTHER UTILITY**

Explanation: The table displayed below the message on the terminal screen shows the current contents of the utility communications block. One of the jobs displayed has exclusive file control.

Action: Wait until that job has ended, and then retry this function.

ERROR-091 UTILITY NOT PERMITTED TO RUN

- Explanation:* Concurrent jobs are not allowed to run against the database. In this case,
- the nucleus or another utility is active; or
 - the nucleus was started with ADARUN READONLY=YES.
- Action:* Determine which utility/nucleus is already active. Wait until that utility/nucleus has ended and retry this function. If the nucleus was started with READONLY=YES, shut it down and restart with READONLY=NO.

ERROR-092 UTILITY NOT PERMITTED TO RUN

- Explanation:* The Adabas nucleus returned response “nn xxx– nucleus response –xxx”. The nucleus cannot allow access to the requested file.
- Action:* Analyze the nucleus response code (refer to chapter 2 for response code descriptions). Correct the error and rerun the job.

ERROR-093 UTILITY NOT PERMITTED TO RUN

- Explanation:* Pending autorestart detected.
- Action:* Restart the nucleus to perform the autorestart. Perform a shutdown after successful nucleus start if required. Rerun this job.

ERROR-094 UTILITY NOT PERMITTED TO RUN

- Explanation:* The version of the accessed database conflicts with the version of the active utility. Either the version indicator in the GCB or the version indicator returned by the Adabas nucleus is not correct. The version indicator found is “version” (the text of the messages supplies the actual version indicator value).
- Action:* Correct the database or load library specification and rerun the job.

ERROR-098 FILE file-number CANNOT BE PROCESSED

Explanation: The file comes from a database with a higher version number, and uses features not supported in the current nucleus version.

Action: It is not possible to process this file using the current version of the Adabas nucleus or utilities.

ERROR-099 INTERNAL ERROR AT xxxxxx+yyyyyy

Explanation: Register contents at time of error:

| | |
|---------|------------------------------------|
| R0-R3 | xxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx |
| R4-R7 | xxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx |
| R8-R11 | xxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx |
| R12-R15 | xxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx |

Action: Inform your database administrator.

ERROR-101 VALUE FOR UNIQUE DESCRIPTOR xx IN FILE yy ALREADY PRESENT

Explanation: Input data is invalid; the specified file “yy” cannot be processed.
 ISN=nnnn
 DE-VALUE: llvvvvvvvv
 The descriptor value (DE-VALUE) comprises the length of the descriptor value (ll) followed by the actual value (vvvvvvvv).

Action: Rerun the utility with unique input data.

ERROR-102 AN ATTEMPT WAS MADE TO CREATE A 16TH INDEX LEVEL FOR FILE xxx

Explanation: No more than 15 levels are permitted.

Action: Rerun this function with a smaller value for ASSOPFAC, the Associator padding factor.

ERROR-103, FILE NUMBER file-number IS NOT ACCESSIBLE

- Explanation:* One of the following occurred:
- A previous function to LOAD, REFRESH, REORDER, or RESTORE the file was interrupted. It is inconsistent.
 - A RESTONL FMOVE function or RESTONL FILE function with parameter ALLOCATION=NOFORCE was interrupted; continuing the function with RESTPLOG is not possible.
- Action:* Delete the file or overwrite it using ADAORD STORE or ADASAV RESTORE/RESTONL.

ERROR-104 FILE NUMBER file-number IS ALREADY LOADED

- Explanation:* The file being accessed is already present in the database.
- Action:* Look at the database report. Delete the file or choose another file number, then rerun the job.

ERROR-105 FILE NUMBER file-number IS NOT LOADED

- Explanation:* The file being accessed is not present in the database.
- Action:* Check the file number; correct it and rerun the job.

ERROR-106 COMPRESSED RECORD TOO LONG

- Explanation:* ISN of record = nnnn
Length of record = nnn bytes
Maximum record length = nnn bytes
- The characteristics of the data storage device do not allow such a record to be stored.

ERROR-107 THE VALUE OF THE 'SORTSIZE' PARAMETER AND THE SIZE OF THE SORT DATASET DO NOT MATCH.

Explanation: The dataset is smaller than specified.

Action: Supply the correct size and rerun the job.

ERROR-108 THE VALUE OF THE 'TEMPSIZE' PARAMETER AND THE SIZE OF THE TEMP DATASET DO NOT MATCH.

Explanation: The dataset is smaller than specified.

Action: Supply the correct size and rerun the job.

ERROR-109 WORKPOOL (LWP) TOO SMALL

Explanation: At least nnnnK of space is required. A larger value will increase performance.

Action: Increase the ADARUN LWP parameter value and rerun the job.

ERROR-110 SORT DATASET TOO SMALL

Explanation: Sorting may require either a larger SORTRn/DDSORTRn dataset size, or two sort datasets with a SORTSIZE equal to the combined size of both datasets.

Action: Supply a larger sort dataset and increase the appropriate SORTSIZE= parameter. Decreasing the LWP parameter specified with the job might also help. The rules for the sort dataset space calculation are described in the *Adabas Utilities Manual*. Rerun the job using the RESTART parameter.

ERROR-111 INVALID VALUE FOR THE PARAMETERS MINISN AND/OR MAXISN

Explanation: The MINISN and MAXISN parameter values must satisfy the following expression:

- If the ISNSIZE is 3:
 $0 < \text{MINISN} \leq \text{MAXISN} < (\text{MINISN} + 16,777,215)$
- If the ISNSIZE is 4:
 $0 < \text{MINISN} \leq \text{MAXISN} < (\text{MINISN} + 4,294,967,294)$

Action: Supply the correct parameter value and rerun the job.

ERROR-112 FUNCTION NOT PERMITTED

Explanation: An attempt was made to access an Adabas system file. This is not permitted.

Action: Uncouple the files (using ADADBS or Adabas Online System) and try this function again.

ERROR-113 INVALID VALUE FOR THE PARAMETER parameter

Explanation: The only values allowed are yes or no.

Action: Supply the correct parameter value and rerun the job.

ERROR-114 INVALID VALUE FOR THE PARAMETER ASSOPFAC OR DATAPFAC

Explanation: The value for a padding factor must be in the range 1 to 90%.

Action: Supply the correct parameter value and rerun the job.

ERROR-115 INVALID VALUE FOR THE PARAMETER MAXRECL

Explanation: The value for MAXRECL must be **all** of the following:

- greater than 4;
- less than or equal to the Work blocksize minus 94;
- less than or equal to the Data Storage blocksize minus 4;
- equal to the MAXRECL of the anchor file (for components of expanded files).

Action: Supply the correct parameter value and rerun the job.

ERROR-116 INVALID VALUE FOR THE PARAMETER MAXFILES

Explanation: The value for the parameter MAXFILES must meet the following requirements:

- the parameter value must be in the range 3 to “nnnn” where “nnnn” is the Associator block size minus 1.
- the first $(MAXFILES*5)+30$ blocks must fit into the first Associator extent.

Action: Supply the correct parameter value and rerun the job.

ERROR-117 PARALLEL USAGE OF dataset-name DATASET

Explanation: “dataset-name” RABN “ravn-number (value)” was overwritten by another utility.

Action: Rerun the job, and avoid parallel usage of the “dataset-name” dataset.

ERROR-120 INVALID VALUE FOR THE PARAMETER 'ISNSIZE'

Explanation: Either 3 or 4 may be specified for this parameter.

Action: Check the parameter input; correct any errors, then rerun the job.

ADAACK Error Messages

ERROR-121 ERROR COUNTER REACHED MAXIMUM (ERRLIM)

ERROR-122 INVALID VALUE FOR PARAMETER FILE

Explanation: A range of file numbers must be supplied in ascending order.

Action: Supply the correct parameter value and rerun the job.

ERROR-123 INVALID OR MISSING FROMISN/TOISN PARAMETER

ERROR-125 INVALID BLOCK LENGTH FOR DS BLOCK xxxxxxxx (nnnn)

ERROR-126 AC ELEMENT CONTAINS DS RABN xxxxxxxx (nnnn) (DUPLICATE ISN)

ERROR-127 AC ELEMENT CONTAINS DS RABN xxxxxxxx (nnnn)

ERROR-128 ISN xxxxxxxx (nnnn) NOT FOUND AC ELEMENT CONTAINS DS RABN xxxxxxxx (nnnn)

ERROR-129 WRONG VALUE FOR FIRST UNUSED ISN FOUND IN FCB

Explanation: FCB+ISNU (offset X'44') contains xxxxxxxx (nnnn)

Actual first unused ISN = xxxxxxxx (nnnn)

ERROR-130 INVALID DATA STORAGE BLOCK/RECORD LENGTH. DS RABN = xxxxxxxx (nnnn)

Explanation: The sum of all record lengths in the block must be equal to the block length minus 4.

Action: Run ADADCK to obtain more information.

ERROR-131 ISN FOUND IN DS RECORD IS GREATER OR EQUAL TO THE FIRST UNUSED ISN IN THE FILE.

Explanation: ISN = xxxxxxxx (nnnn), DS RABN = xxxxxxxx (nnnn)
First unused ISN = xxxxxxxx (nnnn)

ERROR-132 INVALID ROTATING ISN xxxxxxxx (nnnn)

Explanation: This ISN is outside the valid range.

ERROR-133 INVALID RESIDUAL BCT COUNT FOR ROTATING ISN

Explanation: The correct value should be xxxx (nnn).
The present value is xxxx (nnn).

ERROR-134 REUSABLE ISN IS GREATER OR EQUAL TO THE FIRST UNUSED ISN IN THE FILE

Explanation: Reusable ISN = xxxxxxxx (nnnn)
First unused ISN = xxxxxxxx (nnnn)

ERROR-135 LIST OF REUSABLE ISNS NOT IN ASCENDING ORDER

Explanation: See the ISN list shown above.

ERROR-136 MIXED VALUES, ZERO AND NON-ZERO, FOUND IN THE LIST OF REUSABLE ISNS

Explanation: Both zero and non-zero values were found in the list of reusable ISNs. See the ISN list shown above.

ERROR-137 REUSABLE ISN IS ALREADY PRESENT IN AC

Explanation: ISN = xxxxxxxx (nnnn)

ERROR-138 DS RECORD CONTAINS ISN WHICH IS FOUND IN THE LIST OF REUSABLE ISNS

Explanation: ISN = xxxxxxxx (nnnn)
RABN = xxxxxxxx (nnnn)

ERROR-139 CANNOT KEEP MORE THAN 500 MILLION ISNS IN CORE

Explanation: The number of ISNs requested was nnnn.

Action: Limit the ISN range and rerun the ADAACK job.

ADACDC Error and Warning Messages

ERROR-121 OPEN FAILED FOR filename FILE

Explanation: ADACDC attempted to open the file “filename” but the open failed. Processing cannot continue with this file; utility execution is terminated.

Action: Provide the missing file in the ADACDC job.

ERROR-122 READ ERROR FOR filename FILE

Explanation: An error occurred reading the file “filename”; utility execution is terminated. This error generally occurs when the format of the file indicated is not valid.

Action: Ensure that the file in question has a valid format as specified in the ADACDC documentation. In addition, check any special considerations for the operating system where the utility is being executed.

ERROR-123 WRITE ERROR FOR filename FILE

Explanation: An error occurred writing to the file “filename”; utility execution is terminated. This error normally occurs when the output file is full, but it may also occur when the format of the file indicated is not valid.

Action: If the file is full, increase the size of the file and rerun the job. Otherwise, ensure that the file in question has a valid format as specified in the ADACDC documentation. In addition, check any special considerations for the operating system where the utility is being executed.

ERROR-124 UNABLE TO WRITE DATA TO filename FILE

Explanation: The ADACDC utility was not able to write data to the file “filename” because the amount of data to be written exceeded the maximum data that could be written to this file. Additional input in the message indicates the length of data that was to be written and the maximum data that can be written to the file.

Action: Increase the block size on the file to accommodate the largest record that may be written to the file.

ERROR-125 INVALID TRANSACTION FILE 'CDCTXI'

Explanation: The ADACDC utility opened the CDCTXI file and successfully read the first record; however, the first record is not a transaction file record produced by the ADACDC utility.

Action: Supply a valid input transaction file to the utility or specify the RESETTXF so that the CDCTXI specification is ignored if the file name is correct.

ERROR-126 INCONSISTENT PLOG INPUT PROVIDED:

**CURRENT DBID=olddbld PLOG=oldplog BLOCK=oldblock
RECEIVED DBID=newdbld PLOG=newplog BLOCK=newblock
PLOGS PROVIDED TO ADACDC MUST BE IN SEQUENCE**

Explanation: The ADACDC utility encountered inconsistent input while processing the input PLOG data. It was expecting the next block based on the values “olddbld”, “oldplog”, and “oldblock”, but found that the next block to be processed was “newdbld”, “newplog”, and “newblock”. This can occur if

- a PLOG is encountered that was produced by a different database ID;
- “newplog” and “oldplog” are the same, but “newblock” is not 1 more than “oldblock”, or “newplog” is less than “oldplog”.

Action: PLOGs must be provided to the ADACDC utility in the chronological order in which they were created. Provide the PLOG input in the correct chronological order. If this has occurred due to information on the input transaction file and you still wish to process the PLOGs provided, specify the RESETTXF option.

WARNING-127 LENGTH ERROR DECOMPRESSING FIELD

FILE=FILE ISN=ISN FIELDNAME=NAME PE=INDEX=PEINDEX

Explanation: An error occurred while decompressing a record (on file “file” for ISN number “isn”, field name “name”, and PE Index “peindex”) before writing it to the primary output file. The record cannot be decompressed. This can occur if

- the FDT for a file has changed; or
- a data area longer than the default for the field in the FDT has been written, which can legally occur.

The record is written with an indication that decompression failed.

Action: If the FDT has changed, the record cannot be decompressed unless the FDT is changed back. If the record(s) being written are longer than the default value for the field in the FDT, either increase the default value to accommodate the larger field sizes or avoid writing fields longer than the default value.

WARNING–128 INPUT TRANSACTION FILE IS EMPTY

Explanation: The CDCTXI file was successfully opened but was empty; no transaction information is available.

Action: If you are aware that the input transaction file is empty, you can ignore this warning; however, if you expect the input transaction file to contain some data, you need to determine why ADACDC is seeing an empty file.

ERROR–129 value INVALID FOR PHASE PARAMETER

Explanation: The “value” specified for the PHASE parameter is invalid.

Action: Specify “1”, “2”, or “BOTH”, as appropriate.

WARNING–130 FDT FOR FILE FILE NOT FOUND

Explanation: A data record is decompressed before writing to the primary output file. Before the record can be decompressed, the FDT for the file “file” must exist in the database. In this case, the FDT was not found; so the record could not be decompressed. Processing for the file is disabled after this message is issued.

Action: Make the FDT for the file available again in the database and rerun the job with FILE=file to process the records for the file in question.

ERROR-131 DATABASE ID MISMATCH
ADARUN DBID=rundbid, EXTRACT FILE DBID=extdbid

Explanation: The first record was read from the extract file provided for a phase 2 execution of the ADACDC utility. This record indicates that the extract file was generated for the “extdbid” database; however, the ADARUN DBID is “rundbid”.

Action: Run the phase 2 job using the correct database.

WARNING-132 INCONSISTENT NOET SPECIFICATION
TRANSACTION DATA ON CDCTXI IGNORED

Explanation: ADACDC detected that NOET was specified on the previous run of ADACDC, but not on this run—or vice versa. Changing the NOET parameter between runs renders the data on the transaction file redundant; therefore, this data is ignored.

Action: If this is expected, the message may be ignored. If it is not expected, you should determine why the ADACDC utility is being run with different options.

WARNING-133 LENGTH ERROR DECOMPRESSING ENTIRE RECORD
FILE=FILE ISN=ISN

Explanation: Before writing the ISN “isn” for file “file” to the primary output dataset, an attempt was made to decompress the data. This failed as the maximum length of output that can be written to the primary output dataset is not large enough to accommodate the decompressed record. The record is written to the primary output dataset with an indicator in the CDCO that the record is still in compressed format.

Action: Increase the block size of the primary output dataset. If the data record requires more than 32K when decompressed, it cannot be supported by the ADACDC utility.

**ERROR-134 UNKNOWN ERROR OCCURRED DECOMPRESSING DATA
FILE=file ISN=isn RC=rc**

Explanation: An unknown error occurred while decompressing the data record for ISN “isn” on file “file” prior to output to the primary output dataset. The return code was “rc”. The record is written to the primary output dataset with an indicator in the CDCO that the record is still in compressed format.

Action: Report the error to your DBA.

ERROR-135 ERROR LIMIT EXCEEDED

Explanation: The error limit is exceeded if the combined number of WARNING-127, WARNING-133, or WARNING-134 messages exceeds 99. This error generally indicates a fundamental problem with FDT definition(s) that should be corrected.

Action: Correct the reason for some or all of the warning messages and rerun the job.

**WARNING-136 PLOG(S) MAY BE MISSING CURRENT=CURRPLOG
NEXT=NEXTPLOG**

Explanation: While reading the input PLOGs, ADACDC detected that the PLOG number jumped from “currplog” to “nextplog” indicating that PLOG numbers in between may have been skipped.

This can legally occur during online saves because they increase the session number without the PLOG number being changed. This causes the next PLOG started to use a number more than 1 greater than the previous PLOG.

If that does not explain the difference, verify that all appropriate PLOGs for the database have been provided in sequence.

ERROR-137 PLOG plognumber NOT OF CURRENT VERSION

Explanation: ADACDC cannot handle protection logs (PLOGs) from previous versions.

Action: Use the ADACDC from the load library of the appropriate version.

ERROR-138 PLOG plognumber WAS PRODUCED BY A CLUSTER NUCLEUS SESSION AND HAS NOT BEEN MERGED YET

Explanation: The protection log (PLOG) was created by an Adabas cluster nucleus and has not yet been merged with other PLOGs using an ADARES PLCOPY procedure.

Action: Use the ADARES PLCOPY function before extracting data using ADACDC.

ADACMP Error Messages

ERROR-121 INVALID VALUE FOR PARAMETER RECFM

Explanation: This parameter is required for VSE only. Valid values are:

| | |
|----------|------------------|
| RECFM=F | fixed |
| RECFM=FB | fixed blocked |
| RECFM=V | variable |
| RECFM=VB | variable blocked |
| RECFM=U | undefined |

Action: Supply the correct parameter value and rerun the job.

ERROR-122 MISSING FUNCTION CODE

Explanation: One of the keywords COMPRESS or DECOMPRESS must be specified.

Action: Supply the required function keyword to the input and then rerun the job.

ERROR-123 MISSING FIELD DEFINITION TABLE (FDT)

Explanation: The parameter input must contain either the field definition table or the parameter "FDT=file-number".

Action: Add a valid FDT parameter, and then rerun the job.

ERROR-124 ERROR READING FIELD DEFINITION TABLE (FDT)

Explanation: The nucleus returned response code "nn" while reading the field definition table (FDT). "response" is the nucleus response.

Action: Investigate the cause of the error; correct it and rerun the job.

ERROR-125 INVALID VALUE FOR PARAMETER 'UTYPE'

Explanation: Valid values are UTYPE=EXU or UTYPE=EXF.

Action: Supply the correct parameter value, and then rerun the job.

ERROR-126 INVALID INPUT DATASET

Explanation: The input dataset (EBAND/DDEBAND) must have a record format of variable or variable blocked.

Action: Supply a correct input dataset and rerun the job.

ERROR-127 SYNTAX / SEMANTIC ERROR FOUND DURING FIELD DEFINITION TABLE (FDT) COMPILATION

Explanation: ...cause of message displayed here...

Some of the causes are:

- an SQL null field (NC) was specified with the NU (null suppression) option, or for a fixed-point (FI) field type.
- a multiple-value (MU) field or an occurrence in a periodic (PE) group was specified as an SQL null value (NC option) field.
- more than 254 elementary fields were defined in the specified ('xx') periodic (PE) group.

Action: Correct the field definition table (FDT) definition, and then rerun the job.

ERROR-128 INVALID VALUE FOR THE PARAMETER 'CODE'

Explanation: The value specified for the CODE parameter is either incorrect, or the CODE parameter is not valid in this case.

Action: Either remove the CODE parameter, or specify at most eight digits, or blanks. Rerun the job. Refer to the *Adabas Security Manual* for more information.

ERROR-129 THE SUPPLIED FORMAT BUFFER IS WRONG

Explanation: "FORMAT=xxxxxxx" or "FORMAT=**" is incorrect.

Action: Specify a correct value for format, and then rerun the job.

ERROR-130 HYPEREXIT NOT LOADED

Explanation: The hyperexit number “nnnn” has not been defined to ADACMP.

Action: Add the HEXnn parameter to the ADARUN input, and rerun the job. The HEXnn parameter defines the hyperexit to ADACMP.

ERROR-131 INVALID VALUE FOR THE ‘SORTSEQ’ PARAMETER

Explanation: The following values are allowed:

SORTSEQ=ISN to process an ISN sequence.

SORTSEQ=DE where DE is any descriptor whose parent field is not an MU field or contained in a periodic group; that is not a phonetic descriptor or hyperdescriptor and does not have the NU option.

Action: Supply the correct parameter value, and rerun the ADACMP job.

ERROR-132 DESCRIPTOR desc-name FOR FILE file-number HAS THE ‘NU’ OPTION

Action: Select another descriptor, or add the parameter NU to the utility input. In this case, records may be lost. See the ADACMP utility description in the *Adabas Utilities Manual* for more information.

ERROR-133 PARAMETER ETID NOT ALLOWED

Explanation: The ADACMP utility ETID parameter may only be specified if the INFILE parameter is also specified.

Action: Check the parameter input, correct any incompatibility or other error, and then rerun the job.

ERROR–134 MORE THAN 99 PE OCCURRENCES

Explanation: The FNDEF statements or the FORMAT parameter specify a periodic (PE) field occurrence number greater than 99, but the MAXPE191 parameter was not specified.

Action: Check the parameter input, correct any incompatibility or other error, and then rerun the job.

ERROR–135 INCORRECT FDT FOUND IN INPUT DATASET

Explanation: One of the following is the case:

- the field definition table (FDT) expected in the first record is missing, or
- the FDT structure read from the input dataset does not satisfy the rules.

Action: Check whether the input dataset is valid. Supply a correct input dataset and rerun the job.

ERROR–136 PARAMETER ERROR

Explanation: At least one of the parameters UACODE, UWCODE, FACODE, FWCODE, or FWUCODE contains an invalid value. Valid encoding values are 0–4095.

Action: Correct the encoding key value and rerun the job.

ERROR–137 PARAMETER ERROR

Explanation: The architecture key parameter UARC contains an invalid value. Valid values are 0–11.

Action: Correct the architecture key value and rerun the job.

ERROR-138 UES OBJECT object FAILED TO LOAD

Explanation: The required UES object specified was not loaded. It is likely that the object does not exist in the UES dataset.

Action: Locate the required object and load it.

ERROR-139 UES INTERNAL ERROR

Explanation: This error usually results when at least one required UES object is missing.

Action: Determine which object(s) is missing and reload it.

ERROR-140 UES INITIALIZATION FAILED

Explanation: Additional error messages follow that indicated the source of the error.

Action: Correct the problem and rerun the job.

ERROR-141 UACODE/UWCODE/UARC SPECIFIED, BUT NO FACODE/FWCODE SPECIFIED OR IMPLIED

Explanation: The utility does not have access to the nucleus information about the file. You must specify all values.

Action: Either remove the user encoding values (UACODE/UWCODE/UARC) or specify the file encoding values (FACODE/FWCODE) as well.

ERROR-142 WIDE FIELD DETECTED BUT LENGTH UNEVEN

Explanation: The length must be a multiple of the wide character size without a remainder to accommodate only full characters. For example, when using a three-byte character size, the length must be evenly divisible by 3; for a four-byte character size, the length must be evenly divisible by 4.

Action: Correct the problem and rerun the job.

ERROR-143 WIDE FIELD DETECTED BUT FUCODE NOT SPECIFIED

Explanation: Wide fields must specify code page information; that is, a wide-character field encoding such as FWCODE=4095 (Unicode).

Action: Correct the problem and rerun the job.

ERROR-144 INVALID ET-ID

Explanation: When running DECOMPRESS on a multiclient file, Adabas processes either

- the entire file if ET-ID is not specified; or
- the selection of records allowed for the client identified by ET-ID.

The user ID referred to by the 'ETID' parameter is either not defined or has not been assigned an owner ID.

Action: Investigate the cause of the error; correct it; and rerun the job.

ADACNV Error Messages

ERROR-121 VERSION to-version NOT SUPPORTED

Explanation: Version number specified with parameter “TOVERS” is not supported by ADACNV.

Action: Change the parameter to a supported version and rerun the utility.

ERROR-122 CONVERSION NOT PERMITTED FOR VERSION 5.1 AND BELOW

Explanation: The current version of the database is 5.1 or below. Conversion could only be performed from version 5.2 and above.

Action: Convert the database to version 5.2 by starting and stopping the version 5.2 Adabas nucleus, then rerun ADACNV.

ERROR-123 CONVERSION NOT POSSIBLE BECAUSE THE DIB BLOCK IS NOT EMPTY

Explanation: The DIB block is not empty, conversion is not possible.

Action: Shut down the Adabas nucleus, wait for all utilities to complete, and rerun ADACNV.

ERROR-124 CONVERSION NOT POSSIBLE BECAUSE THE CHECKPOINT BLOCK EXTENSION IS NOT EMPTY

Explanation: The CP block extension (RABN 20-24) is not empty. Conversion to version 5.2 is not possible.

Action: To clear the CP block extension, restart the nucleus; then end the nucleus normally.

**ERROR-125 CONVERSION NOT POSSIBLE BECAUSE OF PENDING
AUTORESTART**

Explanation: The Work dataset is not empty. Conversion is not possible.

Action: To remove the pending autorestart, restart the nucleus and end it normally.

ERROR-126 DDFILEA BLOCK SIZE TOO SMALL

Explanation: The DDFILEA block size (“blocksize” bytes) is too small to write a record with a length of “length” bytes.

Action: Assign DDFILEA to a device type with a larger sequential block size.

ERROR-127 SECURITY FILE BLOCK TOO LARGE

Explanation: Security-by-value conversion expands the data records, which then do not fit into the data block.

Action: Run ADAORD REORDATA on the security file with a larger padding factor; then rerun the ADACNV job.

**ERROR-128 VERSION 6 FEATURE IS USED, BACKWARD CONVERSION
IMPOSSIBLE**

Explanation: One of the following version 6 features was used:

- 4-byte RABN
- DBID greater than 255
- maximum number of files in the database more than 255

Conversion to version 5 is not possible.

Action: Remove version 6 features and rerun the ADACNV job.

ERROR-129 FILE file-number HAS VERSION 6 FEATURE ON, BACKWARD CONVERSION IMPOSSIBLE

Explanation: Version 6 feature 4-byte ISN was used. Conversion to version 5 is not possible.

Action: Remove version 6 features and rerun the ADACNV job.

ERROR-130 DLOG AREA IS NOT EMPTY. ADADSF HAS BEEN USED, CONVERSION TO VERSION 5.2 NOT POSSIBLE

Explanation: The Adabas Delta Save Facility was used. ADADSF cannot run under version 5.2.

Action: Switch ADADSF off and rerun the ADACNV job.

ERROR-131 FILE file-number HAS VERSION 5.3 FEATURE ON, BACKWARD CONVERSION IMPOSSIBLE

Explanation: Version 5.3 feature was used. Conversion to version 5.2 is not possible.

Action: Remove version 5.3 features and rerun the ADACNV job.

ERROR-132 DDFILEA (FILEA) STRUCTURE MISMATCH

Explanation: DDFILEA (FILEA) has an invalid structure. This is probably a job control (JCL) statement error.

Action: Correct any error and rerun the ADACNV job.

ERROR-133 FILE file-number HAS VERSION 7.1 FEATURE ON, BACKWARD CONVERSION IMPOSSIBLE

Explanation: Version 7.1 feature was used. Conversion to version 6 is not possible.

Action: Remove version 7.1 features and rerun the ADACNV job.

ERROR-134 CONVERSION NOT POSSIBLE BECAUSE PROTECTION LOG HAS NOT BEEN COPIED

Explanation: The PLOGRn dataset is not free. Conversion fails.

Action: Run ADARES PLCOPY to free the PLOG dataset(s); then rerun the ADACNV job.

ERROR-135 CONVERSION NOT POSSIBLE BECAUSE ALTERNATE RABNS ARE ASSIGNED

Explanation: Alternate RABNs are not supported by Adabas version 7.2 and above.

Action: Use ADAORD to reorder the database before converting it from a version of Adabas version 7.1 or below to Adabas version 7.2 or above.

ERROR-136 OPEN PLOGRn ERROR FOR NUCID=nucid, DSNAME=plog-name

Explanation: The parallel participant table (PPT) entry contains a protection log (PLOG) dataset with the specified number and name. ADACNV was unable to open the dataset. The dataset may have been deleted, or it may not be cataloged, or it may contain PLOG data that has not yet been copied.

Action: Provide access to the specified dataset or use the IGNPPT parameter and rerun the job.

ERROR-137 I/O ERROR READING PLOGRn FOR NUCID=nucid, DSNAME=plog-name

Explanation: The parallel participant table (PPT) entry contains a protection log (PLOG) dataset with the name and number specified. ADACNV was unable to read the first block of this dataset. The dataset has probably been destroyed.

Action: Determine the cause of the error; correct it and rerun the job.

Other Conversion Messages

CONVERSION TO VERSION yy FEASIBLE

Explanation: In the first phase of conversion, this message is printed to indicate that the conversion of the database is possible.

POINT OF NO RETURN REACHED

Explanation: The ADACNV utility has begun its final pass. Any ABEND after this point requires a new run of the utility with the RESTART parameter.

CONVERSION FROM VERSION xx TO VERSION yy STARTED

Explanation: In the first phase of conversion, a conversion step has started.

CONVERSION IS COMPLETED

Explanation: The conversion step has been successfully completed.

THE MIRROR TABLE (ASSO RABN 7) HAS BEEN CLEARED

Explanation: Adabas Reflective Database is not supported by Adabas version 7 and above.

THE BUB (ASSO RABN 2) HAS BEEN CLEARED ALTERNATE RABN DEFINITIONS WERE FOUND BUT NO ALTERNATE RABNS WERE ASSIGNED

Explanation: Alternate RABNs are not supported by Adabas version 7.2 and above.

SECURITY BY VALUE CONVERTED NORMALLY

Explanation: Security-by-value conversion has been successfully completed.

SOME FST ENTRIES ARE DELETED

Explanation: At least one FST entry does not fit into one FST block due to the FST structure change. The entry or entries with the smallest RABN range(s) are deleted.

ADACNV finishes with a warning and response code 4.

Action: Run ADAORD REORDB after conversion.

ADADBS Error Messages

ERROR-114 INVALID VALUE FOR PARAMETER ASSOPFAC OR DATAPFAC

Explanation: The value for a padding factor must be in the range 1 to 90%.

Action: Correct the parameter value and rerun the job.

ERROR-121 INVALID ENCODING VALUE (1-4095)

Explanation: A valid encoding value is in the range 1 through 4095.

Action: Supply a valid encoding value for the parameter and rerun the job.

ERROR-122 INVALID FILE NUMBER SPECIFICATION

Explanation: Depending on the function to be performed, one or more file numbers must be supplied.

Action: Supply the correct parameter value and rerun the job. Refer to the *Adabas Utilities Manual* for more information.

ERROR-123 INVALID VALUE FOR THE PARAMETER MODE

Explanation: Either ON or OFF is required to specify the new mode for DS or ISN reusage.

Action: Supply the correct parameter value and rerun the job.

ERROR-124 INVALID VALUE FOR THE PARAMETER PRTY

Explanation: A valid value is in the range 1 through 255.

ERROR–125 INVALID VALUE FOR THE PARAMETER ASSOSIZE/DATASIZE

Explanation: One of the parameters ASSOSIZE or DATASIZE is mandatory. You cannot use both.

Action: Supply the correct parameter value and rerun the job.

ERROR–126 INVALID VALUE FOR A SIZE PARAMETER

Explanation: Either the xxSIZE parameter specified an incorrect value, or more than one xxSIZE parameter was specified.

Action: Supply the correct parameter value and rerun the job. Only one SIZE parameter can be specified. The value must be specified in blocks. Choose one of the following sizes:

- ACSIZE
- DSSIZE
- NISIZE
- UISIZE

ERROR–127 INVALID VALUE FOR PARAMETER LENGTH, OPTION, OR FORMAT

Explanation: The following rules apply:

- Only one of the LENGTH, OPTION, or FORMAT parameters can be specified.
- If specified, the value of the LENGTH parameter must be greater than zero and less than or equal to the permitted maximum according to the requested field's format.
- If specified, the only OPTION parameter value permitted is LA.

Action: Supply the correct parameter value and rerun the job.

ERROR-128 INVALID VALUE FOR THE PARAMETER TODATE

Explanation: The parameter TODATE must be specified in the format:
TODATE=YYYYMMDD

Action: Supply the correct parameter value and rerun the job.

ERROR-129 MANDATORY PARAMETER USER ID MISSING

Explanation: The priority is assigned to a specific user which is uniquely identified by its user ID. The user ID parameter is missing.

Action: Supply the correct parameter value and rerun the job.

ERROR-130 INVALID VALUE FOR THE PARAMETER DESCRIPTOR

Explanation: The value is one of the following:

- missing;
- not found in the FDT; or
- found in the FDT, but is not a descriptor.

Action: Supply the correct parameter value and rerun the job.

ERROR-131 INVALID VALUE FOR THE PARAMETER NAME

Explanation: A valid value for the NAME parameter is required.

Action: Supply the correct parameter value and rerun the job.

ERROR-132 JOBNAME OR IDENT PARAMETER MISSING

Explanation: Specify at least one of these parameters.
Data integrity may be lost if the whole DIB block is reset.
The DDIB operator command may be used to obtain information about the current contents of the DIB.

Action: Supply the correct parameter value and rerun the job.

ERROR-133 INVALID OR MISSING FIELD NAME

Explanation: One of the following conditions exists:

- Field name is missing;
- Field name not found in FDT;
- Field is a group, subdescriptor.....;
- Field has FI option.

Action: Supply the correct parameter value and rerun the job.

ERROR-134 INVALID VALUE FOR THE PARAMETER parameter

Explanation: The only valid values are yes or no.

Action: Supply the correct parameter value and rerun the job.

ERROR-135 MISSING PARAMETER FOR OPERCOM FUNCTION

Explanation: At least one valid operator command must be supplied.

Action: Supply a valid operator command and rerun the job.

ERROR-136 INVALID VALUE FOR THE PARAMETER AALT/DALT

Explanation: One of the parameters AALT or DALT is mandatory. You cannot use both.

Action: Supply one of the parameter values, and rerun the job.

ERROR-137 SIZE MUST BE SPECIFIED IN CYLINDERS

Explanation: ASSOSIZE and/or DATASIZE cannot be specified in blocks.

Action: Supply the correct parameter value in number of cylinders and rerun the job.

ERROR-138 SIZE MUST BE SPECIFIED IN BLOCKS

Explanation: ASSOSIZE and/or DATASIZE cannot be specified in cylinders.

Action: Supply the correct parameter value in number of blocks and rerun the job.

ERROR-139 INVALID DATASET NUMBER

Explanation: See the *Adabas Utilities Manual* for a description of dataset numbers.

Action: Supply the correct parameter value, and rerun the job.

ERROR-140 INVALID VALUE FOR MAXDS, MAXNI OR MAXUI

Explanation: The values for these parameters must be specified in blocks and must not be larger than 65,535.

Action: Supply a correct parameter value and rerun the job.

ERROR-141 MISSING FUNCTION PARAMETER

Explanation: The specific ADADBS function was not specified in the ADADBS job.

Action: Specify the appropriate function parameter as described in the *Adabas Utilities Manual*, and rerun the ADADBS job.

ERROR-142 INVALID RABN RANGE FOR NEWALTS

Explanation: The range must specify RABNs within a **single** existing extent defined in the general control block (GCB). Refer to the report list provided by the ADAREP utility.

Action: Respecify the range value correctly, and rerun the ADADBS job.

ERROR-143 INVALID VALUE FOR PGMREFRESH

Explanation: Only “yes” or “no” are allowed as parameter values.
Action: Supply the correct parameter value and rerun the job.

ERROR-145 INVALID ADABAS STATE FOR “TRAN SUSPEND/RESUME”

Explanation: An online database or file save is executing, or Adabas is still processing the last TRAN SUSPEND and TRAN RESUME function.

ERROR-146 TRESUME TIMER EXPIRED BEFORE RESUME OCCURRED

Explanation: You ran the TRAN RESUME job, but the timer set by TRESUME (defaults to 120 seconds unless set in the JCL) had already expired. Once the timer expires, Adabas immediately begins to return to “normal status”.

ERROR-147 “TRAN SUSPEND” ALREADY IN PROGRESS

Explanation: A TRAN SUSPEND is running. Either the timer must expire or a TRAN RESUME job must be successfully executed before another TRAN SUSPEND job can be started.

ERROR-148 NO PREVIOUS “TRAN SUSPEND” TO RESUME

Explanation: No TRAN SUSPEND job has been started.

ERROR-149 INVALID WHEN ADABAS IS “MODE=SINGLE”

Explanation: Adabas is running in single-user mode. MODE=MULTI is required.

ERROR-150 ET-SYNC FAILED

Explanation: The ET-SYNC was not successful; the database cannot be quiesced.

Action: Contact your Software AG technical support representative.

ADADCK Error Messages

ERROR-121 INVALID RECORD LENGTH FOUND

Explanation: The record length is negative, zero, or greater than the permitted maximum (MAXRECL value).

DSRABN=xxxxxxxx (nnnn), OFFSET=xxxxxx (nnn)

ERROR-122 INVALID BLOCK LENGTH FOUND

Explanation: The block length field contains a value less than 4.

DSRABN=xxxxxxxx (nnnn), OFFSET=xxxxxx (nnn)

ERROR-123 DUPLICATE ISN FOUND

Explanation: The same ISN is found twice in the same DS block.

DSRABN=xxxxxxxx (nnnn), OFFSET=xxxxxx (nnn)

ERROR-124 INVALID DSST ENTRY FOUND

Explanation: The following information is provided to identify the error:

**DSRABN=xxxxxxxx (nnnn), REQUIRED %x, PRESENT %x,
DSSTRABN=xxxxxxxx (nnnn), OFFSET=xxxxxx (nnn)**

Block size minus padding = xxxx (nnn)

Size of block in use = xxxx (nnn)

ERROR-125 INVALID RECORD LENGTH

Explanation: The DSCHECK function found that either the sum of all record lengths in one Data Storage block is not equal to the block length minus 4; or that the record length is zero.

DSRABN=xxxxxxxx (nnnn), OFFSET=xxxxxx (nnn)

ERROR-127 INVALID BLOCK LENGTH

Explanation: The block length field contains either

- a negative value; or
- a number larger than the physical block size.

DSRABN=xxxxxxxx (nnnn), OFFSET=xxxxxx (nnn)

ERROR-128 INVALID ISN FOUND

Explanation: An ISN was detected that is either zero or greater than the maximum allowed (TOPISN) value.

ADADEF Error Messages

ERROR-121 MISSING FUNCTION PARAMETER

Action: Add one of the following parameters and rerun the job:

- ADADEF DEFINE – define a new database
- ADADEF NEWWORK – define a new work

ERROR-122 INVALID VALUE FOR THE PARAMETER DBID

Explanation: The value for the database ID must be in the range 1 to 65,535.

Action: Supply the correct parameter value and rerun the job.

ERROR-123 CHECKPOINT-FILE DEFINITION MISSING IN PARAMETER-LIST

Explanation: Each Adabas database requires a checkpoint file.

Action: Add the following parameter and rerun the job.

ADADEF FILE=xx,CHECKPOINT, ...

ERROR-124 MULTIPLE SYSTEM FILE DEFINITION NOT PERMITTED

Explanation: The Adabas checkpoint and security file can be defined only once per database.

Action: Supply the correct parameter value and rerun the job.

ERROR-125 INVALID VALUE FOR THE PARAMETER WORKSIZE

Explanation: The value of the WORKSIZE parameter must be at least 300 + WALT + number of blocks per track.

Action: Increase the WORKSIZE value and rerun the job.

ERROR-126 ADADEF NOT PERMITTED TO RUN

Explanation: An attempt was made to run ADADEF in parallel with an active nucleus. The Adabas nucleus returned response “response-code”. (A short explanation is given here).

Action: The only acceptable response code is 148. Shut down the nucleus and rerun the job.

ERROR-127 INCONSISTENT PARAMETER LIST

Explanation: A corresponding extent parameter is required for ASSOSIZE/ASSODEV/AALT, and DATASIZE/DATADEV/DALT.

Action: Supply the correct parameter value and rerun the job.

ERROR-128 FILE TYPE MISSING OR INVALID

Explanation: The file number must be followed by a keyword defining the type of the system file to be loaded.

Action: See the *Adabas Utilities Manual* for further information. Supply the correct parameter value and rerun the job.

ERROR-129 DSST-EXTENT SPACE ALLOCATION FAILED

Explanation: Not enough free Associator space is available to allocate a DSST extent.

Action: Supply a larger Associator extent and rerun the job.

ERROR-130 INVALID VALUE FOR MAXDS/MAXNI/MAXUI

Explanation: The value for the mentioned parameters must be specified in blocks and must be in the range 1B to 65535B.

Action: Specify the correct parameter value and rerun the job.

ERROR-132 DATABASE NOT FORMATTED

Explanation: The supplied ASSO contains a valid GCB.

Action: Run ADAFRM before running ADADEF, or specify the OVERWRITE parameter in the ADADEF job.

ERROR-133 INVALID SIZE SPECIFICATION

Explanation: The (ASSOSIZE / DATASIZE / WORKSIZE) parameter value specified for (DDASSO / ASSOR1/2, DDDATA / DATARn, or DDWORK / WORKR1) is greater than the space physically available (an actual parameter / job control value is printed with the message text).

Action: Supply the correct parameter value, and rerun the job.

ERROR-134 NO DATABASE TO BE OVERWRITTEN

Explanation: The parameter OVERWRITE was specified, but the datasets assigned do not contain a database.

Action: Remove the OVERWRITE parameter, and rerun the ADADEF job.

ERROR-135 VALUE OF PARAMETER MAXRECL TOO LARGE

Explanation: The MAXRECL value is either

- greater than the default value “def-value”; or
- less than 7.

Action: Supply the correct MAXRECL parameter value, and rerun the ADADEF job.

ERROR-136 INVALID VALUE FOR THE PARAMETER RABNSIZE

Explanation: Either 3 or 4 may be specified for the RABNSIZE parameter.

Action: Correct the value specified for the RABNSIZE parameter and rerun the ADADEF job.

ERROR-137 dataset SIZE TOO LARGE

Explanation: The DATA/ASSO/WORK dataset SIZE parameter value exceeds the maximum “nnnn” blocks.

Action: Correct the value specified for the specified dataset SIZE parameter and rerun the ADADEF job.

ERROR-138 CANNOT SET UES=NO WHILE FILE file-number LOADED

Explanation: The specified file contains at least one element such as a wide-character formatted field that require the database to be enabled for universal encoding; that is, UES=YES is required.

Action: Reexamine your need to set UES=NO and adjust the file accordingly.

ERROR-139 SPECIFY UES=NO TO DISABLE UES

Explanation: It is not possible to turn UES off by setting all xxCODE parameters to 0. ADADEF does not differentiate between a parameter set to zero (0) and a parameter not specified.

Action: To disable UES, set the UES parameter equal to NO.

ADAFRM Error Messages

ERROR-121 MISSING FUNCTION

Explanation: At least one of the following functions must be specified:
ASSOFRM, DATAFRM, WORKFRM, CLOGFRM, PLOGFRM,
RLOGFRM, TEMPFRM, SORTFRM, DSIMFRM, ASSORESET,
DATARESET, WORKRESET, or DSIMRESET.

Action: Supply the correct parameter value and rerun the ADAFRM job.

ERROR-122 INVALID DATASET NUMBER

Explanation: See the *Adabas Utilities Manual* for a description of dataset numbers.

Action: Supply the correct parameter value and rerun the ADAFRM job.

ERROR-123 REQUESTED DATASET CANNOT BE MIRRORED

Action: Supply the correct parameter value and rerun the job.

ERROR-124 WILL NOT RESET ASSO CONTROL BLOCKS

Explanation: Resetting Associator blocks with the range 1-30 is rejected.

ERROR-125 MISSING ASSO DATASETS

Explanation: Job control statements defining the Associator must be included for both the ADAFRM utility job for the ASSOFRM, DATAFRM, TEMPFRM and WORKFRM functions when the FROMRABN parameter is specified, and when running the ASSORESET, DATARESET, and WORKRESET ADAFRM functions.

Action: Supply the required JCL/JCS job control, and rerun the ADAFRM job.

ERROR-126 INVALID SIZE VALUE SPECIFIED

Explanation: The **SIZE** value specified with **FROMRABN=NEXT** is not valid. The range of blocks to be formatted in not contained in the free space table.

Action: Supply a valid **SIZE** parameter value and rerun the job.

ERROR-127 INVALID FROMRABN VALUE SPECIFIED

Explanation: For the **ASSOFRM** and **DATAFRM** functions, valid **FROMRABN** values include a numeric starting **RABN** value or **FROMRABN=NEXT**.

Action: Supply a valid **FROMRABN** value and rerun the job.

ADAICK Error Messages

ERROR-121 block-number BLOCK CONTAINS INVALID PACKED VALUE

Explanation: The format indicator in the U3 element is “U” or “P”, and the value in the “block-number” block is not a valid packed decimal number.

ERROR-122 value1/value2 VALUES DO NOT AGREE

Explanation: Each U3 element contains a value and an MI RABN. The first MI element (in the MI block pointed to by the U3 element) should contain the same value as the U3 element. If not, this message occurs.

This message also occurs if an MI element contains a value that does not agree with the value in the first NI element (in the NI block pointed to by the MI element).

ERROR-123 block-number BLOCK CONTAINS INCORRECT BLOCK/VALUE LENGTH

Explanation: The two-byte inclusive length at the beginning of each index block defines the logical end of that block. Each block contains variable length elements. The length of each element depends on the length of the value within the element (for NI blocks, it also depends on the ISN count).

In processing an index block (left to right), the end of each element is compared to the logical end of the block (as defined by the logical block length). If the end of the element is less than the logical end of the block, what follows is taken as the next element, and processing continues. If the block and element ends are equal, the block is considered to be correct. If the element end is greater than the block end, this message occurs.

ERROR-124 MI ISN SHOULD BE ZERO

Explanation: Each MI element points to an NI block. If the first ISN in the ISN list for the first NI element in that NI block is the lowest ISN for that value, then the “MI ISN” (in the MI element) should be zero. If the MI element is not zero, this message occurs.

ERROR-125 MI/NI ISNS DO NOT AGREE

Explanation: Each MI element points to an NI block. If the first ISN in the ISN list for the first NI element (in that NI block) is not the lowest ISN for that value, then that NI element should agree with the “MI ISN”. If it does not agree, this message occurs.

ERROR-126 NI/MI/UI VALUES NOT INCREASING

Explanation: In processing the index for one descriptor (in an L9 sequence), the NI block values should be in ascending sequence. This message occurs if either of the following occurs:

- The values within one block are not strictly increasing (equal values are considered an error);
- The first value in an NI, MI, or UI block is less than the last value in the previous block (equal values are allowed).

ERROR-127 NI BLOCK CONTAINS ZERO ISN COUNT

Explanation: The ISN count in an NI element should not be zero.

ERROR-128 NI BLOCK CONTAINS INVALID ISN

Explanation: The ISN list for one value in an NI block must be in strict ascending sequence. If not, this message occurs. This message also occurs if an ISN is not less than the “first unused ISN” specified in the file control block (FCB).

ERROR-129 block-number BLOCK CONTAINS INCORRECT LEVEL INDICATOR

Explanation: The third byte in the “block-number” block should contain the following value:

| Block Type | Value |
|-------------------|--------------|
| U13 | 0D |
| U12 | 0C |
| U11 | 0B |
| U10 | 0A |
| U9 | 09 |
| U8 | 08 |
| U7 | 07 |
| U6 | 06 |
| U5 | 05 |
| U4 | 04 |
| U3 | 03 |
| M1 | 02 |
| N1 | 01 |

If the third byte does not contain the correct value, this message occurs.

ERROR-130 RABN OUTSIDE ASSO EXTENTS

Explanation: An attempt was made to read a block outside the RABN limits specified by the general control block (GCB) Associator extents.

ERROR-131 block-number RABN OUTSIDE EXTENTS

Explanation: A “block-number” RABN is outside the RABN limits defined by the file control block (FCB) UI extents, or an NI RABN is outside the limits defined by the NI extents.

ERROR-132 DS RABN rabn-number OUTSIDE EXTENTS

Explanation: Data Storage (DS) RABN “rabn-number” appears in an address converter block and is outside the limits defined by the file control block (FCB) DS extents.

ERROR-133 AC TOP ISN SHOULD BE value

Explanation: The file control block (FCB) contains the “top ISN” for each address converter (AC) extent. This is the ISN that corresponds to the last RABN in the last block for that extent. This ISN depends on the top ISN of the previous extent, on the number of blocks in the extent, and on the number of ISNs per block. If the top ISN value is incorrect, this message occurs.

ERROR-134 ISN isn-number NOT LT FCB+44 value (1ST UNUSED ISN)

Explanation: Address converter elements which correspond to ISNs greater than or equal to the “first unused ISN” (specified in the FCB) must all contain 00000000 or FFFFFFFE. Otherwise, this message occurs. The ISN “isn-number” contains “value”.

ERROR-135 FCB FILE NUMBER INCORRECT

Explanation: The requested file number, plus the RABN specified in file 1 FCB’s GCB minus one, is assumed to be the FCB RABN for the requested file. The file number specified in that block does not agree with the requested file number.

ERROR-136 FCB HIGHEST INDEX LEVEL NOT 3 THROUGH 15

Explanation: The highest index level specified in the file control block (FCB) must range 3 through 15, inclusively.

ERROR–137 FCB HIGHEST INDEX RABN OUTSIDE UI EXTENTS

Explanation: The highest index RABN specified in the file control block (FCB) must be within the upper index extents (also specified in the FCB).

ERROR–138 FIRST RABN GREATER THAN LAST RABN

Explanation: The extent just printed is invalid because the first RABN is greater than the last RABN.

ERROR–139 block-number EXTENT OVERLAPS FST EXTENT value1 THROUGH value2

Explanation: The extent specified in the file control block (FCB) overlaps a free extent specified in the free space table (FST).

ERROR–140 ADAIOR RETURN CODE ret-code reason

Explanation: The return code “ret-code” (hexadecimal) was returned from ADAIOR after ADAICK attempted to either open the Associator or read the specified Associator block.

ERROR–141 FCB MAXISN EXPECTED SHOULD BE allocated-maxisn

Explanation: The file’s MAXISN does not correspond to the MAXISN determined by the MAXISN value “allocated-maxisn” based on the allocated AC extents.

ERROR–142 NR ix-block-number BLOCKS PROCESSED GREATER THAN NR BLOCKS USED

Explanation: In performing the index check, a count is taken of the UI blocks read. The “number of blocks used” is the sum of the number of blocks used in each UI extent, which depends on the first RABN and first unused RABN for each extent. If the number of blocks processed exceeds the number used, at least one “ix-block-number” RABN occurs in more than one of that block type, because each “ix-block-number” RABN processed is checked to be sure it is within the used portion of some extent of the same index block type.

ERROR-143 FIELD NAMES NOT IN ASCENDING SEQUENCE - field-name

Explanation: Each U3 element contains the field name for the descriptor. Field names must be in ascending sequence. "field-name" is the name of the field that is out of sequence.

ERROR-144 block-number FIELD NAMES DO NOT AGREE

Explanation: Each upper-level index element contains the field name for the descriptor, and also points to a lower-level block. The field name in the first element in the lower-level block must agree with the field name in the higher-level element.

ERROR-145 RABN IS OUTSIDE USED RANGES

Explanation: The forward pointer in an element of the empty NI/UI block chain contains an invalid RABN. This forward pointer should contain a RABN of another empty NI/UI block, or should contain a zero to indicate the end of the chain.

ERROR-146 LOGICAL BLOCK LENGTH SHOULD BE 0005

Explanation: Every empty NI/UI block chained in the empty block chain must have a logical block size of X'0005'. This includes the length field itself (two bytes) and the logical forward pointer to the next block in the chain (three bytes).

ERROR-147 EMPTY BLOCK CHAIN LOOPS BACK ON ITSELF

Explanation: The forward pointer in an element of the empty NI/UI block chain contains an invalid RABN. This forward pointer should contain either a RABN of another empty NI/UI block, or a zero to indicate the end of the chain. However, there is an invalid forward pointer value causing the chain to return into itself.

ERROR-148 DESCRIPTOR desc-name NOT FOUND IN FDT

Explanation: A descriptor was found in a U3 block that is not in the field definition table (FDT). Every field in the index must be a descriptor, a sub-/super-/hyper- or phonetic descriptor, or a coupling descriptor if the file is coupled.

ERROR-149 DESCRIPTOR desc-name FOUND IN FDT BUT NOT IN U3

Explanation: Every descriptor, sub-/super-/hyper- or phonetic descriptor, or coupling descriptor must have at least one entry in a U3 block. If there are no values for this descriptor, an empty element is stored (value length=0, ISN=0, RABN=0).

ERROR-150 ISN NOT FOUND IN DS BLOCK SPECIFIED BY AC ELEMENT

Explanation: A discrepancy was found between the address converter and Data Storage. For better analysis of the problem, run the ADAACK utility.

ERROR-151 ISN isn-number IS INVALID

Explanation: The physical ISN found in a Data Storage record is either zero or is greater than the permitted maximum for the file.

ERROR-152 FDT END REACHED BEFORE RECORD END

Explanation: While decompressing a Data Storage record, ADAICK reached the end of the field definition table (FDT) before finding the end-of-record. This indicates that the compressed record has an incorrect structure.

ERROR-153 RECORD LENGTH IS INCORRECT

Explanation: Either the block length of a Data Storage block is wrong, or the length of a record stored within this block is wrong. The sum of all record lengths, plus 4, should equal the logical block size of the Data Storage block.

ERROR-154 INVALID PE COUNT

Explanation: A periodic group count in a compressed Data Storage record is either 0 or greater than 191.

ERROR-155 INVALID MU COUNT

Explanation: A multiple-value field count in a compressed Data Storage record is either 0 or greater than 191.

ERROR-156 INVALID CX BYTE

Explanation: The value for an empty field counter is a compressed Data Storage record that contains X'C0'. Any value from X'C1' through X'FF' is permitted.

ERROR-157 INVALID VALUE LENGTH

Explanation: The length of a value in a compressed Data Storage record is wrong. A valid length value is either X'01' through X'7F' or X'8001' through X'80FF'.

ERROR-158 INVALID PACKED DECIMAL NUMBER

Explanation: A packed value within a compressed Data Storage record contains invalid digits.

ERROR-159 ISN/RABN NOT ZERO FOR EMPTY DESCRIPTOR

Explanation: If a descriptor has no values/ISNs, a value of X'00' is stored in the U3 block to indicate an empty descriptor. The following values for MIRABN and ISN must be zero.

ERROR-160 INVALID VALUE FOR ROTATING ISN IN FCB

Explanation: The value for the rotating ISN must be less than or equal to the highest ISN, plus 1.

ERROR-161 DUPLICATE ELEMENT FOR EMPTY DESCRIPTOR

Explanation: There are at least two U3 entries for an empty descriptor. Each descriptor has at least one entry on the U3 level. There may be several entries for one descriptor when the descriptor spans several MI blocks, because each MI block has an entry on the U3 level. Although there are no MI blocks for an empty descriptor, there must be one (and only one) U3 entry.

**ERROR-162 WRONG POINTER TO LAST PARENT OF SUPER/
HYPERDESCRIPTOR**

Explanation: The field descriptor table (FDT) contains an entry pointing to the last parent field of a super- or hyperdescriptor. The pointer contains the wrong value.

WARNING-163 UNREACHABLE INDEX BLOCKS

Explanation: An index block exists that is neither used nor in the unused RABN chain.

Action: No immediate action is needed; however, the RABN block cannot be used until either the Associator is reordered or an UNLOAD/LOAD sequence is performed.

**ERROR-164 ERROR INITIALIZING COLLATING USER EXIT –
RETURN CODE=return-code**

Explanation: An error occurred while the collation descriptor user exit was being initialized.

Action: Investigate the cause of the error; correct it; and rerun the job.

ERROR-165 COLLATING USER EXIT NOT LOADED

Explanation: The collation descriptor user exit requested is not loaded.

Action: Load the exit and rerun the job.

ERROR-166 INVALID VALUE FOR NUMBER OF ISN PER AC BLOCK IN FCB

Explanation: The value for number of ISNs per address converter (AC) block must be the AC block size in bytes divided by the size of the ISN: either 3 or 4 bytes.

Action: Correct the value provided in the file control block (FCB).

ADAINV Error Messages

ERROR-121 INVALID DESCRIPTOR FIELD LIST FOR INVERT

Explanation: The field name “xx” is either

- not found in the FDT; or
- already a descriptor.

Action: Supply the correct parameter value and rerun the job.

ERROR-122 TEMP DATASET TOO SMALL; INPUT RECORD COUNT= count

Action: Supply a larger TEMP dataset/file. See the *Adabas Utilities Manual* for information about calculating TEMP space.

ERROR-123 INVALID OR MISSING COUPLE DESCRIPTOR

Explanation: One of the supplied descriptor names

- is not supplied;
- is not found in the FDT;
- is not a descriptor;
- is a descriptor contained in a periodic group; or
- has a format/length that is incompatible with the other descriptor.

Action: Supply the correct parameter value and rerun the job.

ERROR-124 COUPLE INDEX OVERFLOW FOR FILE file-number

Explanation: This file is already coupled to 18 others; this is the maximum.

ERROR-125 FILES ALREADY COUPLED

Explanation: Utility function cannot be processed.

ERROR-126 COUPLING NOT POSSIBLE

Explanation: This error occurred because

- a file cannot be coupled to itself;
- expanded files cannot be coupled;
- multicient files cannot be coupled; and
- only file numbers less than 255 can be coupled.

The ADAINV function cannot be processed.

ERROR-127 MISSING UTILITY FUNCTION

Explanation: INVERT or COUPLE must be entered, then rerun ADAINV.

ERROR-128 INVALID VALUE FOR THE PARAMETER 'CODE'

Explanation: The value specified for the CODE parameter is either incorrect, or the CODE parameter is not valid in this case.

Action: Either remove the CODE parameter, or specify at most eight digits, or blanks. Rerun the job. Refer to the *Adabas Security Manual* for more information.

ERROR-129 AN ATTEMPT WAS MADE TO CREATE A 16TH INDEX LEVEL

Explanation: No more than 15 index levels are possible.

Action: Try this function again with a smaller value for ASSOPFAC.

**ERROR-130 ERROR INITIALIZING COLLATING USER EXIT –
RETURN CODE=return-code**

Explanation: An error occurred while the collation descriptor user exit was being initialized.

Action: Investigate the cause of the error; correct it; and rerun the job.

ERROR-131 COLLATING USER EXIT NOT LOADED

Explanation: The collation descriptor user exit requested is not loaded.

Action: Load the exit and rerun the job.

ADALOD Error Messages

ERROR-121 REQUESTED RESTART NOT POSSIBLE

Explanation: This error may occur for one of the following reasons:

- There is no job to be restarted.
- A fundamental parameter value has been changed.
- The previous job ABENDED before reaching the first restart point (the file is not in load status).
- The previous job ABENDED in a state from which no restart is possible (the file is in load status).

Action: Correct the cause of the error, and rerun the ADALOD job.

ERROR-122 TEMP DATASET TOO SMALL; INPUT RECORD COUNT= count

Action: Supply a larger TEMP dataset/file. See the *Adabas Utilities Manual* for information about calculating TEMP space.

ERROR-123 MISSING UTILITY FUNCTION

Action: Supply either LOAD or UPDATE as the ADALOD function in the parameter input and rerun the ADALOD job.

ERROR-124 MULTIPLE UTILITY FUNCTIONS SUPPLIED

Action: Supply either LOAD or UPDATE as the ADALOD function in the parameter input and rerun the ADALOD job.

ERROR-125 PARAMETER 'ADAMPARM' FOR NON-ADAM-FILE NOT PERMITTED

Action: Either add the parameter ADAMFILE or remove the ADAMPARM parameter and rerun the ADALOD job.

ERROR-126 INVALID VALUE FOR THE PARAMETER 'ADAMPARM'

Explanation: The value for this parameter must be in the range 1 to 255.

Action: Supply the correct parameter value and rerun the ADALOD job.

ERROR-128 PARAMETER 'ADAMDE' FOR NON-ADAM-FILE NOT PERMITTED

Action: Either supply the parameter ADAMFILE as well, or remove the ADAMDE parameter. Rerun the ADALOD job.

ERROR-129 PARAMETER 'ADAMDE' MANDATORY FOR ADAM FILE

Action: Supply the correct parameter value and rerun the job.

ERROR-130 PARAMETER 'ADAMOFLOW' FOR NON-ADAM FILE NOT PERMITTED

Action: Either supply the parameter ADAMFILE as well, or remove the 'ADAMOFLOW' parameter. Rerun the ADALOD job.

ERROR-131 INVALID VALUE FOR THE PARAMETER 'UQDE': field-name IS NOT A VALID DESCRIPTOR NAME

Explanation: The field to be defined as a unique descriptor is invalid. Either it is a simple field and not a descriptor, or the field name is unknown, or it is a descriptor in a periodic group. Probable cause is a misspelling of the descriptor name.

Action: Supply the correct UQDE parameter value and rerun the ADALOD job.

ERROR-132 INVALID 'ADAMDE' FIELD: field-name; CONFLICTING FIELD ATTRIBUTES OR UNKNOWN DESCRIPTOR NAME

Explanation: An ADAM descriptor must meet **all** the following:

- Be a single field (no MU option)
- Be a unique descriptor
- Not be contained in a periodic group
- Not have the NU option
- Have a default length (cannot be variable)

Action: Supply the correct parameter value and rerun the ADALOD job.

ERROR-133 INVALID VALUE FOR THE PARAMETER 'ADAMOFLOW'

Explanation: The value must be smaller than DSSIZE.

Action: Supply the correct parameter value and rerun the job.

ERROR-134 INCORRECT FDT FOUND IN INPUT DATASET

Explanation: One of the following is the case:

- The field definition table (FDT) expected in the first record is missing, or
- The FDT structure read from the input dataset does not satisfy the rules.

Action: Check whether the input dataset is valid. Supply a correct input dataset and rerun the job.

ERROR-135 FDT STRUCTURE MISMATCH

Explanation: The field definition table (FDT) from the input dataset and the FDT from file “file-number” are not the same (the displayed message text contains an actual file number).

One of the following has happened:

- The file is to be updated and the FDT from the input dataset does not match the FDT from the file; or
- The file has been deleted with “KEEPFDT” and the FDT from the input dataset does not match that old FDT; or
- The FDT from the input dataset does not match the FDT from the anchor of the expanded file.

Action: Check your input dataset and your FILE and ANCHOR parameters. If the ADALOD LOAD function was being run, consider using the IGNFDT parameter (refer to the *Adabas Utilities Manual* for more information).

ERROR-136 FDT LARGER THAN 4 ASSO BLOCKS

Explanation: System restriction: the FDT is too large for the device type in use. A load is not possible.

ERROR-137 THE INPUT DATASET/FILE DDEBAND OR DDISN DOES NOT HAVE THE RECORD FORMAT VARIABLE OR VARIABLE BLOCKED (V OR VB)

Action: Supply a correct input and rerun the ADALOD job.

**ERROR-138 INVALID USERISN isn-number FOUND
INPUT RECORD COUNT = count**

Explanation: The USERISN “isn-number”

- is greater than MAXISN or less than MINISN; or
- does not belong to any ISN range of the expanded file.

The displayed message text contains actual ISN and count values.

**ERROR-139 ISNPOOL OVERFLOW ('LIP' PARAMETER VALUE TOO SMALL)
count RECORDS ALREADY READ FROM DDISN**

Explanation: Each single ISN requires four bytes, each ISN range requires eight bytes of storage.

Action: Increase the size of the ISN pool (LIP). Supply the correct parameter value and rerun the ADALOD job.

ERROR-140 INVALID VALUE FOR MAXDS/MAXNI/MAXUI

Explanation: ADALOD requires these values in units of blocks. The value must be in the range 1B to 65535B.

Action: Supply the correct parameter value and rerun the ADALOD job.

ERROR-142 DUPLICATE USERISN isn-number FOUND

Explanation: One of the following occurred:

- The supplied USERISN was already present in the file being processed; or
- The ISN appeared twice in the input dataset.

The record cannot be added.

ERROR–143 file-type FILE ALREADY PRESENT

Explanation: The requested system file is already present. The file cannot be loaded.

Action: Check the current system file assignments on the ADAREP report.

ERROR–144 ALREADY 8 ADABAS SYSTEM FILES DEFINED

Explanation: A maximum of eight Adabas system files is already present. The file cannot be loaded.

Action: Check current system file assignments on the ADAREP report.

ERROR–145 INVALID FDT FORMAT

Explanation: The structure of the input FDT is incorrect.

Action: Ensure that your input dataset was created using the ADACMP or ADAULD utility.

ERROR–146 INVALID LIST OF DELISNS

Explanation: The DELISN parameter list is wrong, or the input from the DDISN file contains incorrect data.

Action: Check for

- descending or overlapping ISN ranges
- the same ISN specified more than once
- invalid record length (not a multiple of 4 or 8)

The accessed ISN was “isn-number” (the displayed message contains an actual ISN value). Check your input and rerun the ADALOD job.

ERROR-147 INVALID ISN RANGE

Explanation: The ISN range defined by MINISN and MAXISN is invalid. The range conflicts with another ISN range of the expanded file.

Action: Correct the parameter values and then rerun the ADALOD job.

ERROR-148 FILE file-number IS NOT/CANNOT BE ANCHOR OF AN EXPANDED FILE

Explanation: The specified file is

- part of an existing expanded file, but not the anchor file; or
- a coupled or multiclient file and therefore cannot be an anchor file.

ERROR-149 COMPRESSED RECORD TOO LONG

Explanation: Input record count = “count-a”
Length of record = “count-b” bytes
Maximum record length = “count-c” bytes

The record is longer than allowed by the MAXRECL parameter or by the characteristics of the data storage device.

ERROR-150 INVALID ISN TO BE DELETED (WAS) FOUND

Explanation: At least one ISN of the “range”

- is greater than MAXISN or less than MINISN; or
- does not belong to any ISN range within the expanded file.

ERROR-151 INCREASING MAXISN NOT ALLOWED

Explanation: The file has been loaded with the NOACEXTENSION parameter. It is therefore not possible to increase MAXISN.

Action: Remove the MAXISN parameter, and then rerun the ADALOD job.

ERROR–152 CONFLICTING USERISN OPTIONS

There are two possible situations:

Explanation: The existing file is defined with the USERISN option, but the records from the input file are not defined with the USERISN option.

Action: Consider using the USERISN option for the records from the input file, correct the file, and rerun the ADALOD job.

Explanation: The USERISN options for the file to be loaded and those from the anchor of the expanded file do not match.

Action: Check your input file and the USERISN parameter, correct any error, and then rerun the ADALOD job.

ERROR–153 INVALID ISN FOR HYPERDESCRIPTOR desc-name

Explanation: The ISN returned from the hyperexit

- is less than MINISN or greater than MAXISN; or
- belongs to another part of the expanded file.

Original ISN: (isn-number)

Modified ISN: (isn-number)

Record count: (count)

ERROR–155 ADABAS NUCLEUS REQUIRED

Explanation: The Adabas nucleus must be active when

- a file is being loaded that has file selection criteria (expanded file component); or
- records are being loaded with a new owner ID.

Action: Start the nucleus, then rerun the ADALOD job.

ERROR-156 CONFLICTING OWNER-ID LENGTH

- Explanation:* One of the following caused the message to occur:
- The LOWNERID parameter value is not in the range 0–8; or
 - The ETID owner ID is longer than LOWNERID (or longer than the owner ID length of the file to be updated).
- Action:* Supply the correct LOWNERID value, then rerun the ADALOD job.

ERROR-157 CONFLICTING USAGE OF 'LOWNERID' AND 'ETID'

- Explanation:* The input file is being loaded/added
- with owner IDs, but the owner IDs are not present and the ETID parameter is missing; or
 - without owner IDs, but the ETID parameter is specified.
- Action:* Supply the correct parameter value for one or both of the parameters, then rerun the ADALOD job.

ERROR-158 INVALID OWNER-ID IN INPUT RECORD

- Explanation:* The owner ID is too long to fit into the record of the file being loaded or added.
- Input record count = (count)
- Action:* Specify an appropriate owner ID, then rerun the ADALOD job.

ERROR-159 UNDEFINED ETID

- Explanation:* One of the following is the case:
- The user ID referred to by the ETID parameter is not defined; or
 - The user has not been assigned an owner ID.
- Action:* Specify an parameter value, then rerun the ADALOD job.

ERROR-160 DESCRIPTOR VALUE TOO LONG

- Explanation:* A descriptor value together with the owner ID is longer than 253 bytes.
Input record count = (count)
Descriptor name = (desc-name)
- Action:* Specify an appropriate combination of owner ID and descriptor value, then rerun the ADALOD job.

ERROR-161 CONFLICTING parameter PARAMETER

- Explanation:* The “parameter” parameter is invalid as given or implied. It must be the same as for the anchor of the expanded file.
- Action:* Specify the correct parameter value, then rerun the ADALOD job.

ERROR-162 HYPERDESCRIPTOR ISN CHANGED IN NON-USERISN FILE

- Explanation:* The ISN assigned to a descriptor value was modified by a hyperexit but the file is not a USERISN file. Changing hyperdescriptor ISNs is only permitted in USERISN files.
- Action:* Correct the USERISN setting of the file.

ERROR-163 INVALID VALUE FOR PARAMETER ‘ALLOCATION’

- Explanation:* Valid values are ALLOCATION={FORCE | NOFORCE}.
- Action:* Supply the correct parameter value and rerun the job.

ERROR-164 TEMP BLOCK SIZE TOO SMALL

- Explanation:* An attempt to store data in a temp block failed because the temp block size is not large enough to hold the amount of data to be stored.
- Action:* Choose a temp device type with block size equal to or greater than the Associator block size plus 16. Then rerun the job.

ERROR-165 CONFLICTING FILE ENCODINGS

Explanation: The file encodings on the input tape do not match the existing file. They must be the same as the existing file.

Action: Adjust the file encodings and rerun the job.

ERROR-166 WIDE FIELDS EXIST, BUT THE DATABASE IS NOT UES-ENABLED

Explanation: A file with wide-character (W) format fields cannot be loaded until the database is UES enabled.

Action: Enable the database for universal encoding and rerun the job.

**ERROR-167 ERROR INITIALIZING COLLATING USER EXIT –
RETURN CODE=return-code**

Explanation: An error occurred while the collation descriptor user exit was being initialized.

Action: Investigate the cause of the error; correct it; and rerun the job.

ERROR-168 COLLATING USER EXIT NOT LOADED

Explanation: The collation descriptor user exit requested is not loaded.

Action: Load the exit and rerun the job.

ADAMER Error Messages

ERROR-122 INCORRECT FDT FOUND IN INPUT DATASET

Explanation: The structure of the FDT read from the input dataset does not satisfy the rules.

Action: Check whether the input dataset is valid. Supply a correct input dataset and rerun the job.

ERROR-124 INVALID VALUE FOR THE PARAMETER ADAMDE

Explanation: The name of the ADAM descriptor was not found in the FDT.

Action: Supply ADAMDE=ISN or ADAMDE=xx, where “xx” is any valid descriptor name. Then rerun the job.

ERROR-125 INVALID ADAMDE FIELD: xx

Explanation: Conflicting field attributes or unknown descriptor name.
An ADAM descriptor must

- be a single field (no MU option);
- be a unique descriptor;
- not be contained in a periodic group;
- not have the NU option;
- have a default length (cannot be variable).

Action: Supply the correct parameter value and rerun the job.

ERROR-126 INVALID VALUE FOR THE PARAMETER BITPARM

Explanation: See the *Adabas Utilities Manual* for further information.

Action: Supply the correct parameter value and rerun the job.

ERROR-127 DATASTORAGE SIZE TOO SMALL

Explanation: The amount of Data Storage to store the records is greater than the data size parameter.

Action: Supply the correct parameter value and rerun the job.

ADAORD Error Messages

ERROR-121 DDFILEA BLOCK SIZE TOO SMALL

Explanation: The DDFILEA block size (“count-a” bytes) is too small to write a “record-type” record with a length of “count-b” bytes (file “file-number”). Actual values are provided in the message text.

Action: Assign DDFILEA to a device type with a greater sequential block size.

ERROR-122 DDFILEA STRUCTURE MISMATCH

Explanation: DDFILEA has an invalid structure (probably a job control statement error).

Action: Correct any error and rerun the ADAORD job.

ERROR-123 NO UTILITY FUNCTION GIVEN

Action: Supply one of the following keywords and rerun the job:

REORDB, REORASSO, REORDATA, REORFILE, REORFASSO,
REORFDATA, RESTRUCTUREF, RESTRUCTUREDDB, STORE.

See the *Adabas Utilities Manual* for further information.

ERROR-124 AT LEAST ONE FILE REQUIRED

Explanation: An empty file list is not permitted for the functions REORFILE, REORFASSO, REORFDATA and RESTRUCTUREF and STORE.

Action: Supply the correct parameter value, and rerun the ADAORD job.

ERROR-125 THE VALUE FOR THE MAXFILES PARAMETER IS LESS THAN THE HIGHEST LOADED FILE NUMBER (MAXFILES=count, HIGHEST LOADED FILENUMBER=file-number)

Action: Increase the MAXFILES value and rerun the job.

ERROR-126 DATASTORAGE RECORD TOO LONG

Explanation: The record with ISN “isn-number” in file “file-number” has a length of “count” bytes. The maximum permitted record length is “maxcount” bytes (actual values are given in the message text). This file cannot be processed by ADAORD.

ERROR-127 INPUT DATASET DOES NOT CONTAIN DATA FOR FILE file-number

Explanation: Either a wrong input (DDFILEA) is supplied, or a wrong file is requested.

Action: Supply the correct parameter value and rerun the ADAORD job.

ERROR-128 I/O COUNT MISMATCH

Explanation: The number of records read from DDFILEA is different from the number of records written to DDFILEA.

DDFILEA : count-a WRITES

DDFILEA : count-b READS

Not all files included in processing are currently accessible.

Action: Check the job control to see whether there is a multivolume problem. Restore the save tape and rerun the ADAORD job.

ERROR-129 INVALID VALUE FOR THE ‘SORTSEQ’ PARAMETER FOR FILE file-number

Explanation: Allowed values are:

- SORTSEQ=ISN, to process in ISN sequence
- SORTSEQ=DE, where DE is any descriptor whose parent is neither an MU field nor contained in a periodic group, is not a hyperdescriptor or phonetic descriptor, and is not defined with the null suppression (NU) option.

Action: Supply the correct parameter value and rerun the ADAORD job.

ERROR-130 INVALID VALUE FOR THE PARAMETER 'NEWDBID'

Explanation: The value for the database ID must be in the range 1 to 65,535.

Action: Supply the correct NEWDBID parameter value and rerun the ADAORD job.

ERROR-131 THE DESCRIPTOR xx FOR FILE file-number HAS THE 'NU' OPTION

Explanation: NU option descriptors must not be used to control the sort sequence of reordering; this may cause a physically inconsistent database.

Action: Select another descriptor for the sort sequence. Then rerun ADAORD. See the *Adabas Utilities Manual* for more information.

ERROR-132 DSST-SPACE ALLOCATION FAILED

Explanation: Not enough space is left in the Associator to allocate the DSST.

Action: Reduce the value for the MAXFILES parameter and rerun the ADAORD job.

ERROR-133 THE MAXISN VALUE SPECIFIED FOR FILE file-number IS LESS THAN THE CURRENT TOPISN

Explanation: MAXISN(file-number) must be greater than TOPISN(file-number). TOPISN is the highest current ISN allocated for the specified file, and cannot be defined (the file number is given in the message text).

Action: Specify the correct MAXISN value and rerun the ADAORD job.

ERROR-134 FST (FREE SPACE TABLE) NOT AVAILABLE

Explanation: The free space table is locked by the nucleus or by another utility.

Action: Try rerunning the ADAORD job later.

ERROR-135 MAXISN PARAMETER CONFLICTS WITH NOACEXTENSION

Explanation: For file “file-number”, the NOACEXTENSION option is in effect, but the MAXISN value supplied (new-value) is greater than the old MAXISN (old-value). (Actual file and MAXISN values are given in the message text.)

Action: Supply the correct MAXISN value and rerun the ADAORD job.

ERROR-137 ALTERNATE RABNS CANNOT BE ALLOCATED

Explanation: An attempt was made to allocate “count” ASSO/DATA alternate RABNs starting from RABN “start-rabn”.

Action: Investigate and correct the cause of the error, and rerun the job.

ERROR-138 INCONSISTENT FILE LIST

Explanation: File “file-number” is either a coupled file or part of an expanded file, but not all related files have been included in the file list.

Action: Supply the correct file list, and rerun the ADAORD job.

ERROR-139 OVERWRITE SYSTEM FILE NOT POSSIBLE

Explanation: An attempt was made to overwrite the checkpoint or security file with a file having another file number.

Action: Correct the file number to the original and rerun the ADAORD job.

ERROR-141 INVALID ISN DETECTED

- Explanation:* The invalid ISN (isn-number) was detected in file (file-number). The ISN is either
- equal to zero; or
 - greater than MAXISN (max-isn-val).
- Action:* Repair the file and reexecute ADAORD.

ERROR-142 DUPLICATE ISN DETECTED

- Explanation:* ISN (isn-number) is contained twice in file (file-number).
- Action:* Correct the file and reexecute ADAORD.

ERROR-143 DLOG AREA ALLOCATION FAILED

- Explanation:* The allocation of the DSF logging area failed. An attempt was made to allocate (count) blocks starting at Associator RABN (rabn-number).
- Action:* Correct the RABN assignment and reexecute ADAORD.

ERROR-144 ERROR ON DDFILEA

- Explanation:* After reopening DDFILEA for input, the first record read did not have record number 1. Not all the files included in the processing are currently accessible.
- Action:* Check the JCL to determine whether there is a multivolume problem. Restore your save tape and rerun the ADAORD job.

ERROR-145 STORING { CHECKPOINT | SECURITY } FILE NOT ALLOWED

- Explanation:* A version 5.2 or below checkpoint file cannot be converted by ADAORD STORE to version 5.3 or above. A version 5.3 or below security file cannot be converted by ADAORD STORE to version 6.1 or above.
- Action:* Remove the checkpoint or security file from the file list and rerun ADAORD.

ERROR-146 DESCRIPTOR NOT FOUND

Explanation: The nucleus returned response 57: the descriptor “xx” for file “file-number” could not be found. ADAORD cannot unload the index for this file.

Action: Run ADAICK ICHECK for this file; remove the error and rerun ADAORD.

ERROR-147 DUPLICATE FILE NUMBER DETECTED

Explanation: The file “file-number” was specified twice (the actual file value is provided in the message text).

Action: Correct the error and rerun the job.

ERROR-148 PARTIAL OVERWRITE OF COUPLED / EXPANDED FILES

Explanation: The file “file-number-a” is coupled with or, in an expanded file, linked to the file “file-number-b”, which is not part of the STORE operation (the actual file values are provided in the message text). This STORE operation cannot be serviced because it would result in a logical data inconsistency.

Action: Check the STORE function parameter input; correct the error and then rerun the STORE job.

ERROR-149 INVALID VALUE FOR PARAMETER ‘ALLOCATION’

Explanation: Valid values are ALLOCATION=FORCE | NOFORCE.

Action: Supply the correct parameter value and rerun the job.

ERROR-150 INVALID EXCLUDE PARAMETER

Explanation: The file number given in the message either has not been specified at all for REORDER/STORE, or has been specified twice in the EXCLUDE parameter.

Action: Correct the error and rerun the job.

**ERROR-151 FILE file-number IS A PHYSICALLY COUPLED FILE
THE ISNSIZE CANNOT BE MODIFIED**

Explanation: A coupled index contains the ISNs of the file it is coupled to. These ISNs have the byte-size specified by the other file's ISNSIZE. Even if the other file is also modified by ADAORD, the ISNSIZE cannot be modified using the coupled index.

Action: Remove the ISNSIZE parameter or modify the file-list.

ADAPLP Error Messages

ERROR-121 MISSING FUNCTION

Explanation: One of the following function codes is required:

- PLOGPRI
- SPLOGPRI
- WORKPRI

Action: Supply the correct function value and rerun the job.

ERROR-122 INVALID VALUE FOR THE PARAMETER 'TYPE'

Explanation: Valid values are:

- TYPE=ALL
- TYPE=ASSO
- TYPE=DATA
- TYPE=REPR
- TYPE=SAVO
- TYPE=ET
- TYPE=C1
- TYPE=C5
- TYPE=VEKZ
- TYPE=EEKZ

Action: See the ADAPLP utility description in the *Adabas Utilities Manual* for more information.

ERROR-123 MISSING ASSO DATASETS

Explanation: The Associator dataset(s) is required for the WORKPRI function.

Action: Correct the job control statements to specify the required ASSO datasets, and rerun the ADAPLP job.

ADAPRI Error Messages

ERROR-121 MISSING FUNCTION

- Explanation:* At least one valid function must be supplied:
ASSOPRI, DATAPRI, WORKPRI, TEMPPRI, SORTPRI, CLOGPRI,
PLOGPRI, and RLOGPRI, or DSIMPRI.
- Action:* Supply the correct parameter value and rerun the ADAPRI job.

ERROR-122 MISSING ASSO DATASETS

- Explanation:* The Associator dataset(s) is required for the following functions:
ASSOPRI, DATAPRI, WORKPRI.
- Action:* Add the appropriate dataset to the job control JCL/JCS, and rerun the ADAPRI job.

ERROR-123 INVALID RABN RANGE

- Explanation:* The TORABN value cannot be less than the FROMRABN value.
- Action:* Provide the correct parameter values and rerun the ADAPRI job.

ERROR-124 INVALID 'NUMBER' PARAMETER

- Explanation:* NUMBER must be 1 through 8. The parameter is valid only for the CLOGPRI and PLOGPRI functions.
- Action:* Provide the correct parameter value, and rerun the ADAPRI job.

ADARAI Error Messages

ERROR-117 DSIMSIZE/DSIMDEV PARAMETERS REQUIRED

Explanation: ADARAI RECOVER was invoked for a database where the Delta Save Facility was active. In order to run correctly, ADARAI must know the DSIM device type and size of the DSIM dataset. This could not be established using the RLOG and the parameters were not provided to ADARAI; therefore, ADARAI operation cannot continue.

Action: Specify the DSIMDEV and DSIMSIZE parameters to ADARAI.

ERROR-118 SKELETON FOR job-control CONTAINS A keyword PLACEHOLDER. THIS IS NOT PERMITTED FOR THIS SKELETON

Explanation: The skeleton job control for the 'job-control' step in the supplied skeleton job control contained a 'keyword' place holder. This placeholder is not permitted in the 'job-control' step.

Action: Modify the 'job-control' step in the skeleton to remove the 'keyword' placeholder specification.

ERROR-119 SKELETON FOR job-control CONTAINED TWO OR MORE keyword PLACEHOLDER DEFINITIONS

Explanation: The skeleton job control for the 'job-control' step in the supplied skeleton job control contained two or more 'keyword' placeholders prior to the next step. Each placeholder should only be specified once in each job control step in the skeleton; otherwise, ADARAI cannot determine which one to use.

Action: Modify the 'job-control' step in the skeleton to only specify the 'keyword' placeholder once.

**ERROR-120 SKELETON FOR job-control DID NOT CONTAIN REQUIRED
keyword PLACEHOLDER**

Explanation: The skeleton job control for the 'job-control' step in the supplied skeleton job control did not contain the 'keyword' placeholders anywhere prior to the next step. In order to insert the correct replacement data in the appropriate place in the skeleton, the 'keyword' placeholder must be provided at some point in the 'job-control' skeleton.

Action: Modify the 'job-control' step in the skeleton to include the 'keyword' placeholder specification.

**ERROR-121 INVALID FILENUMBER
file IS AN INVALID FILENUMBER**

Explanation: The file number 'file' is greater than the maximum permitted for the database.

Action: Supply a valid file number and rerun the job.

**ERROR-122 SPECIFIED DRIVES PARAMETER drives LARGER THAN
ORIGINAL DRIVES PARAMETER original**

Explanation: The ADARAI RECOVER DRIVES parameter was set to 'drives', however, the original save job was originally run with DRIVES='original'. The DRIVES parameter specified for ADARAI RECOVER must be equal to, or less than the original drives parameter. ADARAI ignores the specification and uses the original drives parameter.

Action: Modify the drives parameter to use a valid value.

**ERROR-124 INVALID FILE NUMBER REQUESTED. THERE IS NO RECOVERY
LOG INFORMATION FOR THE FOLLOWING FILE NUMBER(S):
FILE=nn**

Explanation: The file is not known to the recovery log (RLOG). If the file was created by an ADADBS operation, the required checkpoint was not included in the checkpoint file, and the RLOG has no record of the change.

Action: Supply correct file numbers and rerun the job.

ERROR-127 RLOG IS INCORRECT VERSION. EXECUTE PREPARE FUNCTION AND RERUN THE JOB

Explanation: The RLOG is from a version of the recovery aid prior to version 7.1, but the newer Adabas recovery aid requires an RLOG created by the updated ADARAI PREPARE function.

Action: Run the ADARAI PREPARE function to convert the RLOG.

ERROR-130 PARAMETER RLOGSIZE MISSING OR INVALID. A MINIMUM OF nn BLOCKS IS REQUIRED

Action: Supply a valid RLOGSIZE parameter and rerun the job.

ERROR-131 INVALID VALUE FOR PARAMETER MINGENS. THE VALUE FOR THIS PARAMETER MUST BE IN THE RANGE 4 THROUGH 32

Action: Supply a valid MINGENS parameter and rerun the job.

ERROR-133 MISSING OR INVALID JCL PATTERN

Explanation: The input parameter list does not contain a valid pattern string for the JCL to be generated.

Action: Supply a correct JCL/JCS pattern and rerun the job. See the *Adabas Utilities Manual* for the syntax description.

ERROR-136 INVALID VALUE FOR THE RELGEN PARAMETER

Explanation: The value is either greater than MINGENS – 1 or, for a Recovery operation, points to a nonexistent generation.

Action: Supply a valid RELGEN parameter and rerun the job.

ERROR-138 ADARES PLCOPY NOT ACKNOWLEDGED

Explanation: The Adabas nucleus is not up. ADARAI called the user exit 2 (dual log processing) or user exit 12 (multiple log processing) to submit a job to copy pending data from a protection log. ADARAI waited for the copy to complete; however, the copy did not complete in the time that ADARAI was waiting.

ERROR-139 ADARES PLCOPY NOT ACKNOWLEDGED

Explanation: The Adabas nucleus was called with a FEOFPL command to close and copy the current dual or multiple protection log. ADARAI waited for a copy to be submitted and completed as a result of this command; however, the copy did not complete in the time that ADARAI was waiting.

ERROR-140 ADARAI NOT PERMITTED TO RUN. THE ADABAS NUCLEUS RETURNED RESPONSE nnn.

Explanation: The only acceptable response is 148.

Action: Shut down the nucleus and rerun the job.

ERROR-141 INTERNAL ERROR OCCURRED IN MODULE RAGDOS: GETVIS FAILURE OCCURRED FOR PUTSPOOL BUFFER

Action: Increase the size of the partition GETVIS and rerun the job.

ERROR-142 INTERNAL ERROR OCCURRED IN MODULE RAGDOS: PUTSPOOL JOB SUBMISSION ERROR. INTERNAL RETURN CODE IS X'nnn'

Action: See the *IBM POWER Installation and Operations Manual* for corrective action. Then rerun the job.

ERROR-143 INTERNAL ERROR OCCURRED IN MODULE RAGDOS: INVALID CALLING FUNCTION DETERMINED

Action: Contact your Software AG technical support representative.

ERROR-144 INTERNAL ERROR OCCURRED IN MODULE RAGDOS: CDLOAD FAILURE FOR ADAIOI

Action: Check the return code for CDLOAD for corrective action and rerun the job.

ERROR-145 INTERNAL ERROR OCCURRED IN MODULE RAGDOS: CDLOAD FAILURE FOR ADAOPTD

Action: Check the return code for CDLOAD for corrective action and rerun the job.

ERROR-146 INTERNAL ERROR OCCURRED IN MODULE RAGDOS: SUBSID ERROR

Action: Check the return code for SUBSID for corrective action and rerun the job.

ERROR-147 INTERNAL ERROR OCCURRED IN MODULE RAGDOS: GETVIS ERROR

Action: Check the return code for GETVIS for corrective action and rerun the job.

ERROR-148 INTERNAL ERROR OCCURRED IN MODULE RAGDOS: DLBL RECORD LENGTH LIMIT

Action: Contact your Software AG technical support representative.

**ERROR-149 INTERNAL ERROR OCCURRED IN MODULE RAGDOS:
JCL BUFFER EXCEEDED**

Action: Contact your Software AG technical support representative.

**ERROR-150 INTERNAL ERROR OCCURRED IN MODULE RAGDOS: LUB
TABLE EXCEEDED**

Action: Contact your Software AG technical support representative.

ERROR-156 INVALID JCL CONTROL KEYWORD

Action: Supply a correct JCL/JCS input and rerun the job.

ERROR-157 GENERATION nn IS xxxxxxxx

Explanation: ADARAI was not able to LIST or RECOVER a generation because the generation is either erroneous or restricted.

Action: Determine the reason for the problem, correct it, and rerun the job.

**ERROR-158 ADARAI NOT PERMITTED TO RUN. THE ADABAS NUCLEUS
RETURNED RESPONSE resp-code, SUBCODE subcode**

Explanation: ADARAI was unable to run because of the problem indicated by the Adabas nucleus response code “resp-code” and, if relevant, the subcode “subcode”.

Action: See the Adabas response code/subcode descriptions in chapter 2.

ERROR-159 ADARAI PREPARE NOT PERMITTED TO RUN

Explanation: The RLOG is in an invalid state for PREPARE. If the RLOG is in use, issue an ADARAI REMOVE for the RLOG. If this is a new RLOG, it must be formatted before running ADARAI PREPARE. The RLOGSIZE defined using ADARAI PREPARE must be the same as that previously defined by the SIZE parameter of the ADAFRM RLOGFRM function.

Action: Use ADARAI REMOVE to deactivate the RLOG, or ADAFRM RLOGFRM to reformat the RLOG before running ADARAI PREPARE.

ADARAI Error Messages Written to the Output Recovery Job

The following errors are written directly to the output recovery job to

- ensure that the job cannot run without modification, and
- identify the point in the job generation where the error was encountered.

ERROR-160 THE GENERATION USED TO CREATE THE FOLLOWING JOB WAS status

Explanation: The generation used to generate the job had a status other than “normal”. This indicates that ADARAI determined at some time during the creation of the generation that the job it would generate could not run without changes by the user.

Action: Determine the reason for the status and modify as appropriate. When the generation is “restricted”, a later message indicates where the generation actually became restricted. Generally, such jobs run successfully with intervention. If the generation is “erroneous”, it is impossible to know what caused this during the recovery phase; therefore, you must determine what caused the problem and correct it in the recovery job if possible and appropriate.

ERROR-161 NO FULL SAVE DATASET AVAILABLE IN GENERATION

Explanation: The generation being recovered has no full save dataset associated with it. This should only occur for the first generation allocated by default after the RLOG is prepared.

Action: Determine the last full save dataset prior to the generation and insert a step to restore this prior to using the generated recovery job. Any steps that took place between the time the full save was taken and the RLOG became available must also be inserted here to insure that the recovery job runs and that the resulting data is valid.

ERROR-162 MISSING PLOG DATASET INFORMATION**PLOG NUMBER = plog****LOW PLOG BLOCK = lowblk [NUCID nucid]****HIGH PLOG BLOCK = highblk [NUCID nucid]**

Explanation: During the generation of the recovery job, ADARAI determined that it needed the range of PLOG blocks listed in the message; however, these PLOG blocks were not recorded in the generation being recovered. This may occur if the generation was restricted, or a PLCOPY step to copy a PLOG failed to record its execution on the RLOG dataset. When it is nonzero, a cluster nucleus ID is appended after the low and high PLOG block number.

Action: Determine the PLOG on which the range of blocks is located and add this dataset to the job at the appropriate point as identified by the location of the message.

ERROR-163 GENERATION BECAME RESTRICTED FOLLOWING THIS STEP

Explanation: This identifies the point in the recovery job at which the generation became “restricted” and the reason why it was restricted. With user intervention, it should be possible to handle the reason for the generation becoming restricted and thus to enable the recovery job to successfully recover the database.

Action: Take appropriate action to handle the reason for the restriction.

ERROR-164 NO SESSION END RECORD FOUND**INSURE ALL PLOGS ARE INCLUDED PRIOR TO NEXT UTILITY RUN**

Action: ADARAI encountered an off-line utility execution at a point where a session start record was found but no session end record was found. This indicates that the nucleus session terminated abnormally prior to the off-line utility being executed. This means that ADARAI cannot determine precisely what the last PLOG block of that session was and can only attempt to include all PLOG blocks it knows about for that session.

Action: Ensure that all PLOGs for that particular session are provided to the REGENERATE prior to the utility step about to be executed. Additional PLOGs for the session, not known to ADARAI, can be added at the end of the DD/SIIN statement.

ERROR-165 NO RESTPLOG ENTRY FOUND

Explanation: A RESTONL request was encountered that is normally followed by a RESTPLOG entry indicating the PLOGs that must be provided to the RESTONL for it to complete successfully. In this case, no RESTPLOG entry could be found relating to the RESTONL function that was encountered. Under normal circumstances, this can only occur if the RESTONL function fails during the PLOG processing stage and the RESTPLOG is not repeated stand-alone.

Action: Determine if the RESTPLOG was in fact successfully issued but not recorded on the RLOG. If so, the appropriate PLOGs can be added to the RESTONL step based on the information in the RESTPLOG job itself.

ERROR-166 NO STARTING PLOG INFORMATION FOUND

Explanation: While building the recovery job, ADARAI encountered a utility operation that was run online; however, no preceding nucleus sessions start record was encountered. This can only occur if the generation is “restricted” or the session start logging to the RLOG failed.

Action: If there is no reasonable explanation why this occurred, contact your Software AG technical support representative.

ERROR-167 RESTPLOG ENCOUNTERED OUT OF SEQUENCE

SYN1 PLOG BLOCK =plogblk [NUCID nucid]

SYN2 PLOG BLOCK =plogblk [NUCID nucid]

Explanation: Under normal circumstances, a RESTPLOG request is only encountered in association with a RESTONL utility operation. In this case, a RESTPLOG was encountered for the PLOG blocks identified with no preceding RESTONL request. When it is nonzero, the cluster nucleus ID is appended after the block number.

Action: Determine how the RESTPLOG entry occurred at that point and determine if the recovery job will run successfully without that step.

ERROR-168 JOB CONTAINS ONE OR MORE ERRORS

- Explanation:* While building the recovery job, ADARAI detected one or more errors that have rendered the generated recovery job not executable.
- Action:* Correct the errors identified earlier in the job and run the job if it can be successfully repaired based on the errors that have occurred.

ERROR-169 THE PREVIOUS STEP WAS INCOMPLETE

- Explanation:* The ADARAI data collection mechanism was notified that the step prior to this message was preparing to complete its processing; however, a 'commit' record was not written for the utility execution indicating that either it did not run to completion or the commit record could not be written.
- Action:* Determine the reason for the failure to complete the information on the RLOG. If the recovery job can run successfully without the failing step, remove the step completely from the recovery job. If required, make the appropriate corrections to the job step.

ADARAI Information Messages**INFO-001 THE FOLLOWING PLOG NUMBERS WERE NOT USED:
LOW PLOG NUMBER lowplog [NUCID nucid]
HIGH PLOG NUMBER highplog [NUCID nucid]**

- Explanation:* During its PLOG validation processing, ADARAI checks to see whether the PLOG session numbers it encounters are in sequential ascending order (e.g., PLOG 8 follows PLOG 7, PLOG 7 follows PLOG 6 and so on). When it encounters a situation where this is not the case, this message is issued identifying the range of 'missing' PLOGs. This can occur when online saves are used. When it is nonzero, a cluster nucleus ID is appended after the session number.

INFO-002 FILE NUMBER file DELETED

Explanation: During optimized ADARAI RECOVERY processing, a deleted file may simply not figure in the recovery job itself. This message is issued to register the fact that the file number 'file' was deleted during the generation being recovered.

ADAREP Error Messages

ERROR-121 NUCLEUS RETURNED RESPONSE resp-code WHILE READING/OPENING THE CHECKPOINT FILE. (nucleus-response)

Explanation: Refer to chapter 3 for the meaning of “resp-code”.

Action: Investigate the cause of the error. Correct it and rerun the job.

ERROR-122 INCONSISTENCY DETECTED BETWEEN FST AND GCB (INTERNAL ERROR)

Explanation: The FST contains RABNs that do not belong to the database.

Action: Repair the FST using Adabas basic system or ADADBS recover.

ERROR-123 INCONSISTENCY BETWEEN DSST AND FCB FILE EXTENT (INTERNAL ERROR)

Explanation: A(DSST-EXTENT-ENTRY) = xxxxxxxx
A(FCB-EXTENT-ENTRY) = xxxxxxxx

Action: Inform your database administrator (DBA) of the error.

ERROR-124 INCONSISTENCY BETWEEN FILE file-name AND GCB (INTERNAL ERROR)

Explanation: The file extents contain RABNs that do not belong to the database.

Action: Repair the file using RESTORE and REGENERATE.

ERROR-125 INCONSISTENCY IN MIRROR BLOCK (INTERNAL ERROR)

Explanation: The mirror table has an incorrect structure; it cannot be interpreted.

Action: Repair the mirror table using ADAREF; then mirror your database again.

**ERROR-126 INVALID PARAMETER VALUE FOR PARAMETERS
FROMDATE/TODATE OR FROMSESSION/TOSESSION**

Action: Supply the correct parameter value and rerun the job.

ERROR-127 INVALID FROMDATE / TODATE PARAMETER

Explanation: The FROMDATE / TODATE parameters must have the format yyyymmdd.

Action: Supply the correct parameter value and rerun the job.

ERROR-128 INVALID SAVE TAPE SUPPLIED

Explanation: The dataset supplied as the DD/SAVE input dataset is not a save tape.

Action: Supply a valid save tape and rerun the job.

ERROR-129 SAVETAPE MUST BE FROM V51 OR HIGHER

Explanation: The supplied save tape was not created using Adabas version 5.1 or above.

Action: Supply a save tape created using Adabas version 5.1 or above and rerun the job.

ADARES Error and Warning Messages

ERROR-121 PROTECTION LOG NUMBER MISMATCH

Explanation: The protection log number specified by the PLOGNUM/FROMPLOG parameter could not be found on the input log tape.

User Action: Supply a correct protection log dataset and rerun the job.

ERROR-122 FROMCP/FROMBLK NOT FOUND

Explanation: The start checkpoint/block number specified in the FROMCP/FROMBLK parameter could not be found on the protection log number “log-number” (the actual log number is shown in the message text).

User Action: Supply the correct parameter value and rerun the job.

ERROR-123 ENDING BLOCK NUMBER NOT FOUND

Explanation: The block number specified in the TOBLK parameter could not be found on the protection log input.

User Action: Supply the correct parameter value and rerun the job.

ERROR-124 INVALID LOG NUMBER SPECIFICATION

Explanation: The nucleus is not able to obtain the number of the last block written to the sequential protection log dataset for the requested session “session-id”.

User Action: If there is a valid EOF mark on the input dataset, add the NONUC parameter and rerun the job.

ERROR-125 DUAL LOG MODIFIED DURING COPY RUN

- Explanation:* User exit 2 of the nucleus is
- used: the copy run was started twice using the exit; or
 - not used: the nucleus started writing to the part of the dual log being copied before the copy run finished.
- User Action:* Save the ADARES output and contact your Software AG technical support representative.

ERROR-126 INVALID FROMBLK/FROMCP/TOBLK/TOCP VALUES

- Explanation:* Missing or invalid FROMCP or TOCP specification.
- User Action:* See the *Adabas Utilities Manual* for further information.

ERROR-127 DATABASE ID MISMATCH

- Explanation:* The ADARUN DBID is “dbid-a”, but the DDSIIN input dataset contains data for DBID “dbid-b”, on block “block-number”, “session-id”. Either the wrong database is accessed, or the utility input parameter specifies a wrong database ID.
- User Action:* Correct the error and rerun the job.

ERROR-128 INCONSISTENT FILE LIST

- Explanation:* File “file-number” is either a coupled file or part of an expanded file; however, not all corresponding files have been included in the file list.
- User Action:* Supply a correct file list, or specify the IGNORECOUPLE/IGNOREEXP parameters, then rerun the ADARES job.

ERROR-129 EMPTY PLOG DATASET FOR BACKOUT

- Explanation:* PLOGR1/R2 are empty. Backout from disk is not possible.
- User Action:* Save the ADARES output and contact your Software AG technical support representative.

ERROR-130 PLOG DATASET NOT YET COPIED

Explanation: An attempt was made to read from dataset (dataset-name), but this dataset has not been copied.

User Action: Run the ADARES function PLCOPY first to save the contents of the dual or multiple protection log dataset, then rerun this job.

ERROR-131 TOCP/TOBLK NOT FOUND ON DUAL PROTECTION LOG

Explanation: The requested checkpoint for backout DPLOG is not on the dataset (dataset-name).

User Action: Supply a correct protection log and rerun the job.

ERROR-132 INVALID VALUE FOR THE PARAMETER 'DSRABN'

Explanation: One of the following is required:

- a single RABN; or
- an ascending range of RABNs.

User Action: Supply the correct parameter value and rerun the job.

ERROR-133 CONFLICTING FROMPLOG/TOPLOG PARAMETERS

Explanation: For the REGENERATE function, the value for TOPLOG must not be less than the value specified for FROMPLOG. For the BACKOUT function, the inverse must be true: the FROMPLOG value must not be less than the TOPLOG value.

User Action: Supply a correct parameter value and rerun the ADARES job.

ERROR-134 PROTECTION LOG NUMBER MISMATCH

Explanation: The protection log datasets are not supplied in the correct order: the current protection log number has number (log-number-a); the previous had number (log-number-b).

User Action: Supply the correct sequence of protection logs and rerun the job.

ERROR-135 TOBLK/TOCP NOT FOUND ON SEQUENTIAL PROTECTION LOG

Explanation: The specified TOBLK does not contain the TOCP. The input has been processed, including the block specified by TOBLK.

User Action: Supply the correct parameter value and rerun the ADARES job.

ERROR-136 INVALID BLOCK NUMBER FOUND

Explanation: The blocks of the current PLOG are not supplied in the correct order, or the first block of a PLOG does not have number 1. The block just read has number (block-number) on protection log number (log-number). The displayed message text contains actual block and log numbers.

User Action: Supply the correct sequence of protection logs and rerun the job.

ERROR-137 MISSING FUNCTION PARAMETER

Explanation: The ADARES statement did not specify an ADARES function.

User Action: Supply an ADARES function (BACKOUT, CLCOPY, COPY, MERGE, PLCOPY, REGENERATE, REPAIR) and rerun the ADARES job.

ERROR-138 DBID MISMATCH

Explanation: On PLOG number (log-number), block number (block-number), DBID (dbid-a) was found, but the PLOG DBID parameter value is (dbid-b).

User Action: Supply the correct PLOG tapes and rerun the ADARES job.

ERROR-139 DDSIIN INPUT ERROR

Explanation: Sessions to be copied include both PLOG and SAVE sessions.

User Action: Supply the correct input tapes and rerun the ADARES job.

ERROR-140 DDSIIN INPUT ERROR

Explanation: Timestamps are not ascending in session number “session-id”. The block in error has number (block-number).

User Action: Supply the correct input tapes and rerun the ADARES job.

ERROR-141 PARAMETER parameter NOT ALLOWED IN MODE=SINGLE

Explanation: The parameter “parameter” cannot be specified in single-user mode.

User Action: Rerun the job with the ADARUN parameter MODE=MULTI.

ERROR-142 PARAMETER parameter NOT ALLOWED WITHOUT DSF

Explanation: The parameter is only available when the Delta Save Facility is installed.

System Action: ADARES terminates abnormally.

User Action: If the Delta Save Facility is installed, specify ADARUN DSF=YES and rerun the job.

ERROR-143 ERROR DURING DSIM DATASET PROCESSING

Explanation: An error occurred while the Delta Save Facility was processing (building) the delta save images (DSIM) dataset. The DSIM dataset has not been built correctly. The reason for the error is indicated by a preceding Delta Save error message. This ADARES error message is only issued if the COPY function is executed without a sequential output dataset.

System Action: ADARES terminates abnormally.

User Action: Determine and eliminate the cause of the error; then rerun the job.

ERROR-144 PARAMETER AUTOBACKOUT NOT ALLOWED

Explanation: The AUTOBACKOUT parameter is allowed only when the TOCP parameter value is also specified.

User Action: Correct the input parameter specifications, then rerun the ADARES job.

ERROR-145 INVALID EXCLUDE PARAMETER

Explanation: The file number provided in the message either has not been specified at all for REGENERATE/BACKOUT, or has been specified twice in the EXCLUDE parameter.

User Action: Correct the error and rerun the job.

ERROR-146 FILE EXCLUDED FROM REGENERATE

Explanation: The REGENERATE function excluded one or more files from the regeneration. Possible causes:

- The nucleus returned a response code for the file.
- ADARES encountered a utility checkpoint on the PLOG that pertained to the file, indicating a problem with the setup of the job (for example, wrong RAID parameter; wrong PLOG).

If a file is excluded from regeneration in a job built by the Adabas Recovery Aid, an internal error is indicated.

User Action: Determine the cause of the error and correct the job. If necessary, contact your technical support representative for help restarting the recovery process.

ERROR-147 INVALID VALUE FOR PARAMETER 'ALLOCATION'

Explanation: Valid values are ALLOCATION={FORCE | NOFORCE}.

User Action: Supply the correct parameter value and rerun the job.

ERROR-148 NUCLEUS 'NU' PARAMETER VALUE TOO SMALL

Explanation: Currently, more than 'NU' number of users have open transactions.

User Action: Increase the nucleus 'NU' value and rerun the job.

ERROR-149 MISSING OR MISMATCHING RLOGDEV PARAMETER

Explanation: The specified or implied RLOGDEV parameter does not match the RLOG device type stored in the GCB.

RLOGDEV parameter = device type

RLOG device type = device type

The RLOGDEV parameter must be correct so that ADARES COPY/PLCOPY executions can be recorded in the recovery log even if the GCB has been damaged.

User Action: Supply the correct parameter value and rerun the job.

ERROR-150 ERROR OCCURRED DURING CLCOPY, PLCOPY, or PPT DEQ

Explanation: An error occurred while dequeuing multiple protection or command logs during the copy process in a nucleus cluster environment.

User Action: Contact your Software AG technical support representative.

ERROR-151 ERROR OCCURRED DURING CLCOPY, PLCOPY, or PPT ENQ

Explanation: An error occurred while enqueueing multiple protection or command logs during the copy process in a nucleus cluster environment.

User Action: Contact your Software AG technical support representative.

ERROR-152 ADARES BACKOUT DPLOG NOT ALLOWED FOR A CLUSTER DATABASE.

Explanation: The ADARES function BACKOUT DPLOG may not be used for an Adabas cluster database. ADARES BACKOUT may be used, but a merged protection log is required as input.

User Action: Use the PLCOPY function to merge the protection logs and supply the sequential dataset.

**ERROR-153 INVALID NUMLOG PARAMETER SPECIFIED
THE VALUE SPECIFIED WAS nn**

Explanation: When manually merging command logs in an Adabas cluster environment, the NUMLOG parameter maximum number is 32.

User Action: Specify the correct number of cluster command logs to be merged.

ERROR-154 {OPEN | CLOSE} ERROR ON {MERGINTI | MERGINTO} FILE

Explanation: An error occurred while opening or closing the intermediate dataset supplied for the protection or command log merge process in an Adabas cluster environment.

User Action: Contact your Software AG technical support representative.

**ERROR-155 READ ERROR ON {MERGINTI | MERGINTO} FILE.
SYSTEM ERROR=nnnnnnnn**

Explanation: An error occurred while reading the intermediate dataset supplied for the protection or command log merge process in an Adabas cluster environment.

User Action: Contact your Software AG technical support representative.

**ERROR-156 WRITE ERROR {MERGINTI | MERGINTO} FILE.
SYSTEM ERROR=nnnnnnnn**

Explanation: An error occurred while writing to the intermediate dataset supplied for the protection or command log merge process in an Adabas cluster environment.

User Action: Contact your Software AG technical support representative.

ERROR-157 INCORRECT {MERGINTI | MERGINTO} FILE SUPPLIED

Explanation: An incorrect intermediate dataset was supplied for the protection or command log merge process in an Adabas cluster environment.

User Action: Contact your Software AG technical support representative.

**ERROR-158 INCONSISTENCY DETECTED WITH HEADER FLAG
PARTIAL MERGE INDICATOR IS NOT SET CORRECTLY**

Explanation: During the protection or command log merge process in an Adabas cluster environment, an inconsistent indicator was detected for the merge status of a log.

User Action: Contact your Software AG technical support representative.

**ERROR-159 INVALID {READ | WRITE} CONTAINER FUNCTION REQUESTED FOR
MERGE PROCESS**

Explanation: An error occurred when attempting a read or write to the PLOG or CLOG dataset.

User Action: Contact your Software AG technical support representative.

**ERROR-160 INTERNAL PROCESSING ERROR ENCOUNTERED WITH THE
MERGE PROCESS – SUBCODE n**

Explanation: An internal protection or command log processing error was detected with one of the following subcodes:

- 1 An attempt was made to open a log multiple times.
- 2 The log I/O table is full.
- 3 An error occurred reading the PLOGR1 or CLOGR1 dataset in the parallel participant table (PPT).
- 4 An error occurred reading the PLOGR2 or CLOGR2 dataset in the parallel participant table (PPT).

- 5 Neither log was selected for the merge process.
- 6 An error occurred in the log buffering.
- 7 The log buffer flag is incorrect.
- 8 An internal error occurred while processing log records. An attempt was made to read past end-of-file.
- 9 An internal error occurred while attempting to update the log status at the end of the merge process.

User Action: Contact your Software AG technical support representative.

ERROR-161 INVALID PPT DETECTED

Explanation: An invalid parallel participant table (PPT) was detected in an Adabas cluster environment.

User Action: Contact your Software AG technical support representative.

ERROR-162 THE PLOG MERGE PROCESS ENCOUNTERED AN INVALID PROTECTION RECORD

Explanation: An error occurred while processing a protection record.

User Action: Save the ADARES output and contact your Software AG technical support representative.

ERROR-163 THE PLOG MERGE DETECTED AN INTERNAL ERROR WRITING THE MERGED RECORDS

Explanation: The block numbers are not increasing sequentially.

User Action: Save the ADARES output and contact your Software AG technical support representative.

ERROR-164 THE INTERMEDIATE DATASET DID NOT CONTAIN AS MANY RECORDS AS EXPECTED

Explanation: The input contains 'xxx' number of records but 'yyy' number of records were expected.

User Action: Supply the correct intermediate datasets.

ERROR-165 THE JCL SUPPLIED FOR THE ADARES PLCOPY NOPPT PRODUCED AN ERROR

Explanation: ADARES detected that either no DD statements were provided or the DD statement was in error for the PLCOPY NOPPT function.

User Action: Correct the JCL and resubmit the job.

ERROR-166 INVALID INPUT WAS SUPPLIED TO THE MERGE CLOG FUNCTION

Explanation: One or more of the datasets supplied to the ADARES MERGE CLOG function was in error. The input is expected to be sequential datasets and CLOGLAYOUT=5 must have been used to create the original CLOG.

User Action: Correct the input and resubmit the MERGE CLOG job.

ERROR-167 THE JCL SUPPLIED FOR THE ADARES MERGE CLOG FUNCTION PRODUCED AN ERROR

Explanation: ADARES detected that either no DD statements were provided or the DD statement was in error for the MERGE CLOG function.

User Action: Correct the JCL and resubmit the job.

ERROR-168 THE NUMLOG PARAMETER SPECIFIED WAS xx BUT yy DATASETS WERE SUPPLIED

Explanation: The ADARES MERGE CLOG function parameter NUMLOG specified a different number of datasets (xx) from the number that were actually supplied as input to the function (yy).

User Action: Change the NUMLOG parameter specification or change the input datasets specified so that the two values (xx and yy) match. Then resubmit the job.

ERROR-169 AN EMPTY DATASET WAS SUPPLIED AS INPUT TO THE MERGE CLOG FUNCTION

Explanation: ADARES detected an empty input dataset.

User Action: Remove the dataset and adjust the NUMLOG value; or supply a valid dataset. Then resubmit the job.

ADARES Warning Messages**WARNING – INPUT INTERMEDIATE DATASET IS INVALID**

Explanation: NOPPT was specified and an invalid intermediate dataset was supplied. Some of the protection records may be missing from the merged output.

System Action: Since NOPPT was specified, processing continues and a condition code of 4 is returned.

WARNING – THE PPT HAS BEEN CLEARED

Explanation: The parallel participant table (PPT) has been cleared since the last merge. Protection log data may be lost.

System Action: Processing continues under the assumption that the database has been restored.

User Action: Ensure that clearing the PPT was intended.

ADASAV Error Messages

ERROR-121 WRONG PROTECTION LOG TAPE

- Explanation:* The wrong protection log tape has been mounted. The requested protection log has DBID (dbid-a), session number (session-id).
- The supplied protection log is from DBID (dbid-b), session number (sess-num-b).
- User Action:* Supply the correct tape and start an ADASAV job using the RESTPLOG function.

ERROR-122 chkpt-CHECKPOINT NOT FOUND

- Explanation:* One of the following has occurred:
- 1 The SYN1/SYN4 checkpoint is not contained in the protection log block (block-number); or
 - 2 The SYN2/SYN5 checkpoint is not contained anywhere on the protection log; or
 - 3 Another SYN1/SYN4 checkpoint was encountered before the expected SYN2-SYN5 checkpoint.
- The wrong protection log has been mounted, or the wrong SYN1-SYN4 checkpoint has been specified.
- User Action:* Supply the correct protection log and parameters. For case 1 or 2, continue with the RESTPLOG function. For case 3, repeat the RESTONL function.

ERROR-123 THE INPUT TAPES OF A MULTIVOLUME SAVE SET ARE MOUNTED IN WRONG ORDER. ADASAV IS NOT ABLE TO CONTINUE

- Explanation:* The RESTORE function expects the RESTn/DDRESTn datasets to be presented in the order in which they were created.
- User Action:* Ensure that input tapes are mounted in correct order; then rerun the job.

ERROR-124 INVALID FILE LIST PARAMETER

Explanation: One of the following occurred:

- No file numbers, invalid file numbers, or duplicate file numbers were specified in the FILES, FMOVE, NEWFILES, or EXCLUDE parameter.
- More file numbers were specified in the NEWFILES parameter than in the FILES or FMOVE parameter.
- A file specified in the EXCLUDE parameter was not specified in the FILES, FMOVE, or NEWFILES parameter.

User Action: Supply the correct parameter value and rerun the job.

ERROR-125 MISSING FUNCTION CODE

Explanation: Either SAVE or RESTORE is required.

User Action: Supply the correct parameter value and rerun the job.

ERROR-126 ONLY ONE FUNCTION AT A TIME ALLOWED

Explanation: Either SAVE or RESTORE is required: not both.

User Action: Supply the correct parameter value and rerun the job.

ERROR-127 INVALID VALUE FOR THE PARAMETER DRIVES

Explanation: The value for this parameter must be greater than or equal to 1 and less than or equal to 8. The default value is 1.

User Action: Supply the correct parameter value and rerun the job.

ERROR-128 ALL PARTS OF AN EXPANDED FILE MUST BE RESTORED TOGETHER. AT LEAST THE PARAMETER FILE= file-number IS MISSING

User Action: Include all files of this expanded file in the file list, then rerun the ADASAV job.

ERROR-129 INVALID VALUE FOR THE PARAMETER NEWDBID

Explanation: A correct value is in the range 1 to 65,535.

User Action: Supply the correct parameter value and rerun the job.

ERROR-130 INVALID VALUE FOR THE PARAMETER PERDRIVE

Explanation: The number of values in the parameter list for PERDRIVE must be equal to the value of the DRIVES parameter.

User Action: Supply the correct parameter value and rerun the job.

ERROR-131 INPUT SAVE TAPE CREATED {ONLINE | OFFLINE}

Explanation: The incorrect type of ADASAV restore function was used for the type of output save tape from the previous ADASAV SAVE operation.

User Action: Use the RESTONL function for restoring a tape saved with the nucleus online, and also provide the associated protection log. Use the RESTORE function for restoring a tape saved with the nucleus offline.

ERROR-132 FIRST BLOCK ON RESTORE TAPE IS NOT A GCB

Explanation: An invalid input for RESTORE is supplied.

The RESTORE input must have been produced by a previous ADASAV SAVE execution.

User Action: Supply a correct input and rerun the job.

ERROR-133 RESTORE TAPE DOES NOT HAVE THE CORRECT VERSION

Explanation: For the RESTORE FILES function, the restore tape must have been produced by a version 5.1 or above ADASAV SAVE execution.

For the RESTORE (database) or RESTORE GCB function, the restore tape must have been produced by an ADASAV SAVE execution with the same version as is used for the restore.

User Action: Supply a correct input and rerun the job.

ERROR-134 DIFFERENT DEVICE TYPES FOR RESTORE

Explanation: The ADASAV restore source and destination device types are different. ADASAV restore functions cannot accept different source and output device types or extents.

User Action: Respecify the output to the same device type or extent as the restore function source, and resubmit the job. For more information, see the *Adabas Utilities Manual*.

ERROR-135 SAVE TAPE DOES NOT CONTAIN A WHOLE DATABASE

Explanation: The save dataset cannot be restored because:

- The save dataset is a file save dataset that can be restored only with RESTORE/RESTONL FILE/FMOVE;
- The save dataset is a delta save dataset that can be restored only in combination with a full database save dataset (using RESTORE DELTA).

System Action: The RESTORE database or RESTORE GCB function is abnormally terminated.

User Action: Provide the right save dataset or specify the correct restore function.

ERROR-136 RESTORE DATABASE ONLINE NOT PERMITTED

Explanation: The ADASAV RESTORE Open command received a nucleus response code of (resp-code – explanation). The nucleus is active, which is not allowed during a RESTORE database operation.

User Action: Ensure that the correct nucleus has been accessed; if so, shut down the nucleus and then rerun the ADASAV RESTORE job.

ERROR-137 AN ATTEMPT WAS MADE TO RESTORE FILE NO. file-number INTO A DATABASE WITH A MAXFILE-VALUE OF count

User Action: Correct either the file number or change the MAXFILE value in the database.

ERROR-138 FILE file-number NOT FOUND ON SAVE TAPE

User Action: Supply a correct input dataset containing the specified file, or remove the file number from the parameter list.

ERROR-139 COUPLED FILES MUST ALL BE RESTORED TOGETHER. FILE file-number-a IS COUPLED TO FILE file-number-b

User Action: Include all files coupled together in the file list and rerun the job.

ERROR-140 NO FILES SELECTED FOR SAVE/RESTORE

User Action: Supply a correct file list using the FILE or FMOVE parameter and rerun the job.

ERROR-141 SUPPLIED value IS SMALLER THAN CURRENTLY USED

User Action: Supply a larger value for the parameter specified in place of “value” in the message, and rerun the job. Refer to the *Adabas Utilities Manual* for more information.

ERROR-142 INVALID VALUE FOR PARAMETER parameter

Explanation: One of the followed is the case:

- An attempt was made to increase MAXISN but the file was defined with NOACEXTENSION; or
- The specified size (in cylinders) is too large.

ERROR-144 FILE NUMBER file-number IS ALREADY PRESENT AND CANNOT BE OVERWRITTEN

System Action: This file is removed from the file list. ADASAV will continue.

ERROR-145 AN EXISTING DATABASE CANNOT BE OVERWRITTEN

Explanation: The Associator used for output already contains a database.

User Action: The OVERWRITE parameter may be used to overwrite an existing database.

ERROR-146 ADASAV NOT PERMITTED TO RUN

Explanation: One of the following is the case:

- The Adabas nucleus is active but running without a protection log; or
- A save operation is already active.

User Action: Correct the cause of the problem and rerun the job.

ERROR-148 INVALID VALUE FOR THE 'PERDRIVE' PARAMETER

Explanation: The total of all values supplied for this parameter must equal the number of entries in the VOLSER table displayed with this message.

User Action: Respecify the PERDRIVE parameter, and rerun the job.

ERROR-150 NUCLEUS RESPONSE resp-code AT THE END OF THE ONLINE SAVE OPERATION

- Explanation:* See chapter 2 for the explanation of nucleus response codes.
- The proper synchronization of the nucleus protection log (PLOG) and the output of the SAVE run is not possible.
- User Action:* Rerun the ADASAV SAVE job. If the error occurs again, consult your Software AG technical support representative.

ERROR-151 INVALID VALUE FOR THE 'BUFNO' PARAMETER

- Explanation:* The highest value permitted for BUFNO is 255.
- User Action:* Respecify the BUFNO value, then rerun the ADASAV job.

ERROR-152 PARTIAL OVERWRITE OF COUPLED FILES

- Explanation:* The file "file-number-a" is coupled to file "file-number-b", which is not selected for the RESTORE operation (actual file values are displayed in the message text). This RESTORE cannot be serviced because it would result in a logical data inconsistency.
- User Action:* Check the RESTORE function parameter input; correct the error and then rerun the RESTORE job.

ERROR-153 PARTIAL OVERWRITE OF EXPANDED FILE

- Explanation:* The file "file-number-a" is part of an expanded file. It is linked to the file "file-number-b", which is not selected for the RESTORE operation (actual file values are displayed in the message text). This RESTORE cannot be serviced because it would result in a logical data inconsistency.
- User Action:* Check the RESTORE function parameter input; correct the error and then rerun the RESTORE job.

ERROR-155 INVALID RESTORE OPERATION

- Explanation:* An attempt was made to
- overwrite an Adabas system file with a disparate system file or a non-system file;
 - introduce a second system file into a database where the corresponding system file already exists;
 - restore a user-defined system file into a database where the GCB system file list is full; or
 - restore a checkpoint or security file from Adabas version 5.
- User Action:* Correct the file specification and, if appropriate, rerun the ADASAV job.

ERROR-156 ACTIVE NUCLEUS REQUIRED

- Explanation:* The Adabas nucleus must be active to
- check the replication log information for the files being saved; or
 - clear the replication log for files being restored.
- User Action:* Start the Adabas nucleus, then rerun the ADASAV job.

ERROR-157 PART OF THE DATABASE NOT PHYSICALLY ALLOCATED

- Explanation:* Some of the blocks to be saved/restored lie within physically unallocated database storage. Probably an ADADBS or Adabas Online System “increase” was run without first providing the associated physical storage.
- User Action:* Allocate the physical storage, then rerun the ADASAV job.

ERROR-158 INCOMPLETE RESTORE TAPE

- Explanation:* The “associator|data” RABN “ravn-number” was not found on the restore tape. Either end-of-file (EOF) occurred, or ADASAV found “count” RABN “ravn-number” instead. Either a required tape volume is missing, or the tapes are mounted in the wrong order.
- User Action:* Supply a correct restore tape, then rerun the ADASAV job.

ERROR-159 INCONSISTENT RESTORE TAPE

Explanation: The restore tape does not contain the expected data. All records on the tape must contain references to DBID “dbid”, session number “session-id”, and time stamp “tst”. A record was found that incorrectly referred to DBID “dbid-x”, session number “session-id-x”, and time stamp “tst”.

User Action: Correct the cause of the incorrect reference, then rerun the ADASAV job.

ERROR-160 INCONSISTENT PROTECTION LOG

Explanation: The Adabas protection log does not contain the expected data. The last record that was read should have contained DBID “dbid”, serial number “number”, and time stamp \geq “tst”. However, it contained instead DBID “dbid-x”, serial number “number-x”, and time stamp “tst-x”.

User Action: Correct the cause of the incorrect reference, then rerun the ADASAV job.

ERROR-161 ERROR DURING DSF PROCESSING

Explanation: This generic error message is issued after a Delta Save error message. An error occurred while the Delta Save Facility was processing the requested function. The internal response code by Delta Save is shown.

System Action: The function is abnormally terminated.

User Action: For more information, see the Delta Save error message preceding this message.

ERROR-162 PARAMETER /FUNCTION function NOT ALLOWED WITHOUT DSF

Explanation: The designated parameter or function is only available when the Delta Save Facility is installed.

System Action: ADASAV terminates abnormally.

User Action: If Delta Save is installed, specify ADARUN parameter DSF=YES and rerun the job.

ERROR-163 DSF LOGGING AREA IS INSTALLED

- Explanation:* The database has a Delta Save logging (DLOG) area installed, but ADASAV was not started with the Delta Save Facility.
- System Action:* ADASAV terminates abnormally.
- User Action:* Specify ADARUN parameter DSF=YES and rerun the job.

ERROR-164 DRIVES > 1 NOT ALLOWED FOR DELTA MERGE

- Explanation:* There is no full save input to the MERGE function, so the output save dataset will be a delta save or an unloaded DSIM dataset. The DRIVES parameter is allowed only when a full save dataset is merged.
- System Action:* The merge function terminates abnormally.
- User Action:* Remove the DRIVES parameter and rerun the job.

**ERROR-165 INCOMPLETE INPUT FOR MERGING
ASSO/DATA RABN num WAS NOT FOUND ON THE INPUT TAPES;
END-OF-FILE OCCURRED INSTEAD**

- Explanation:* The save dataset input for the merge function is incomplete. End-of-file was encountered when Associator or Data Storage RABN “num” was expected. Possibly a required tape volume is missing or input tape volumes have been concatenated so that an end-of-file mark was encountered before the last tape.
- System Action:* The merge function terminates abnormally.
- User Action:* Supply complete input datasets and rerun the job.

**ERROR-165 INCOMPLETE INPUT FOR MERGING
ASSO/DATA RABN num1 WAS NOT FOUND ON THE INPUT TAPES;
ADASAV FOUND ASSO/DATA RABN num2 INSTEAD.**

- Explanation:* The save dataset input for the merge function is incomplete. Associator or Data Storage RABN “num2” was found when RABN “num1” was expected. Possibly a required tape volume is missing or input tapes are mounted in the wrong order.

System Action: The merge function terminates abnormally.
User Action: Supply complete input datasets and rerun the job.

ERROR-166 CONFLICTING PARAMETERS FOR RESTORE DELTA

Explanation: The combination of parameters and input save datasets is invalid:

- DRIVES>1 is not allowed for RESTORE GCB, RESTORE FILE, or RESTORE FMOVE with DELTA;
- Concatenation of delta save input datasets is not allowed for RESTORE GCB, RESTORE FILE, or RESTORE FMOVE with DELTA.

System Action: The RESTORE DELTA function terminates abnormally.
User Action: Correct the arrangement of input save datasets and rerun the job.

ERROR-167 RESTORE DELTA WITHOUT FULL SAVE NOT POSSIBLE

Explanation: The full save tape was omitted the restore operation but the current status of the database does not allow this. One of the following was detected:

- The function is not RESTORE database.
- The Associator failed to open. The full save dataset probably had not been successfully restored in a previous run. An ADAIOR error text is given.
- No Delta Save logging (DLOG) area is installed in the database.
- Delta Save logging is not enabled; that makes this operation invalid.
- The database has been modified since the last restore operation: the Adabas nucleus has been active, the DLOG area is not empty.
- The database has been modified since the last restore operation: a utility has changed the file indicated in the message.
- The database has been modified since the last restore operation: the DLOG header block was altered.
- A file excluded from the previous restore must now also be excluded but has not been.
- A file specified as excluded was not excluded from the previous restore.

System Action: The delta restore function terminates abnormally.

User Action: Provide the full save dataset for the delta restore operation and rerun the job.

ERROR-168 GCB EXTENTS CHANGED BETWEEN DELTA SAVES

Explanation: The database layout was changed by an ADADBS ADD, INCREASE, or DECREASE function (or by the equivalent Adabas Online System function). Later on, a delta save dataset was produced that is now input to the restore function. ADASAV is not able to handle the changed GCB in the second phase of the delta restore process.

System Action: The changed GCB is written to the database. Then the delta restore function terminates abnormally.

User Action: There are two possible ways to correct this problem:

- Merge all input save datasets and restore the resulting merged full save dataset; or
- Rerun the delta restore function without the full save dataset, starting with the first delta save dataset not yet restored; doing this causes ADASAV to bypass the earlier, old image of the GCB.

ERROR-169 INCOMPATIBLE RABN SIZES

Explanation: An attempt was made to restore one or more files from a database with “x”-byte RABNs into a database with “y”-byte RABNs.

System Action: The requested function cannot be performed.

ERROR-170 MAXIMUM RECORD LENGTH TOO BIG FOR THIS DATABASE

Explanation: The maximum compressed record length defined for file “file-number” is too big to be compatible with the Work block size.

| | | |
|--------------------------|---|------------|
| Maximum record length | = | length |
| Work block size required | ≥ | block-size |
| Work block size present | = | block-size |

The file can be restored only into a database with a larger Work block size.

User Action: Use the ADADEF NEWWORK function to define a new Work dataset with a larger block size so that you can restore the file.

ERROR-171 CONFLICTING ADDRESS CONVERTER DEVICE TYPES FOR FILE file-number

Explanation: The secondary address converter extent allocated by the nucleus during an online save could not be restored to the current address converter due to conflicting device types.

User Action: Remove the MAXISN parameter for this file and rerun the RESTONL FMOVE function.

ERROR-172 NEWFILES PARAMETER NOT ALLOWED FOR FILE file-number

Explanation: The NEWFILES parameter must not be specified for expanded files or physically coupled files.

User Action: Remove the corresponding file number assignment from the NEWFILES list and rerun ADASAV.

ERROR-173 INCOMPLETE FILELIST FOR ONLINE SAVE FILES

Explanation: For an online SAVE FILE operation or a SAVE FILE with UTYPE=EXU, all component files of an expanded file chain and all files that are coupled must be specified explicitly in the FILES parameter (see the ADAU15 message(s) above this error message).

User Action: Correct the FILES parameter and rerun the job.

ERROR-174 FILE NOT ELIGIBLE FOR RESTPLOG FUNCTION FILE file-number IS NOT IN RESTORE STATUS

Explanation: The specified file was not being restored in a RESTONL operation that was interrupted and thus may not be selected for the RESTPLOG function.

User Action: Correct the RESTPLOG parameter input and rerun the job.

ERROR-175 INVALID VALUE FOR PARAMETER 'ALLOCATION'

Explanation: Valid values are ALLOCATION=FORCE | NOFORCE.

User Action: Supply the correct parameter value and rerun the job.

ERROR-179 ADASAV DIB ENTRY LOST

Explanation: The DIB entry that ADASAV wrote at the beginning of the SAVE operation was no longer present at the end. It may have been removed by a nucleus that was incorrectly started with parameter IGNDIB=YES. A parallel nucleus or utility may have updated the database while ADASAV was running. The save dataset may be inconsistent.

User Action: Investigate the cause of the error. Correct it and rerun the job.
Do not use the save dataset.

ADASEL Error Messages

SEL-001 UNEXPECTED END-OF-FILE ON DDKARTE

Explanation: An end-of-file was reached on the DD/KARTE dataset before ADASEL expected to reach an end-of-file. Most likely, the supplied input statements are incomplete.

Action: See the ADASEL syntax description in the *Adabas Utilities Manual*. Correct the input statements, then rerun the ADASEL job.

SEL-002 SYNTAX – UNDEFINED, ILLEGAL OR INCORRECT SYNTAX POSITIONING OF A PARAMETER OR SYMBOL

Explanation: The input string marked by “<----” does not match the ADASEL syntax.

Action: See the ADASEL syntax description in the *Adabas Utilities Manual*. Correct the input statement syntax, then rerun the ADASEL job.

SEL-003 STATEMENT TABLE OVERFLOW – INCREASE LST

Explanation: The value specified by the SET GLOBALS parameter, LST, does not define an ADASEL translation table large enough for all the statements that match the SELECT argument.

Action: Specify a SET GLOBALS statement with an LST value larger than the current specified or default value. The SET GLOBALS statement must come before the other ADASEL input statements. See the *Adabas Utilities Manual* for more information.

SEL-004 SYNTAX – VALUE LENGTH EXCEEDS THE MAXIMUM FIELD DEFINITION LIMIT

Explanation: The input string marked by “<----” is longer than 253 bytes.

Action: Correct the string length, then rerun the ADASEL job.

SEL-005 SYNTAX – UNEXPECTED OR MISSING QUOTE

Explanation: ADASEL detected an uneven number of apostrophes ('). All alphanumeric and hexadecimal values must be specified in pairs of apostrophes; apostrophes in an alphanumeric string must be doubled (as in '...don't forget...')

Action: Ensure that all specified apostrophes are paired, then rerun the ADASEL job.

SEL-006 SYNTAX – A NUMERIC VALUE SPECIFIED FOR A BINARY FIELD MUST BE -2 147 483 648 < VAL < 2 147 483 647

Explanation: A binary value in an ADASEL search criterion must be in the range of a two's complement value that fits within a fullword. The value specified was not recognized to be within this range.

Action: Correct the value specification and rerun the ADASEL job.

SEL-007 SYNTAX – UNEXPECTED OR MISSING TRAILING BLANK

Explanation: The ADASEL syntax elements must be embedded in blanks.

Action: See the ADASEL syntax description in the *Adabas Utilities Manual*. Correct the input statement syntax, then rerun the ADASEL job.

SEL-008 SYNTAX – ILLEGAL HEX DIGIT OR AN ODD NUMBER OF HEX DIGITS WERE SPECIFIED

Explanation: Hexadecimal values must be paired, and be valid characters.

Action: See the ADASEL syntax description in the *Adabas Utilities Manual*. Correct the input statement syntax, then rerun the ADASEL job.

SEL-009 SYNTAX – NUMERIC VALUE CONTAINED MORE THAN 29 DIGITS

Explanation: Adabas generally does not allow unpacked decimal values longer than 29 bytes.

Action: Supply a correct numeric value of 29 or fewer packed characters, then rerun the ADASEL job.

SEL-010 SYNTAX – ILLEGAL NUMERIC VALUE

Explanation: The specified numeric value for the ADASEL criterion is invalid.

Action: Check the criterion specification, and then rerun the ADASEL job.

SEL-011 VALUE TABLE OVERFLOW – INCREASE NV

Explanation: The ADASEL table allocated for evaluating field values is not large enough.

Action: Specify a larger table value by using the SET GLOBALS statement parameter, NV. The SET GLOBALS statement must come before the other ADASEL input statements. See the *Adabas Utilities Manual* for more information.

SEL-012 INTERNAL LOGIC FAILURE – CONTACT YOUR LOCAL ADABAS SUPPORT REPRESENTATIVE

Explanation: An internal error occurred while ADASEL was checking the input statement syntax.

Action: Record and/or save all output from the job, your input statements and any dump, then contact Software AG technical support for additional instructions.

SEL-013 INVALID FILE NUMBER. FILE NUMBER MUST BE 0<FNR<=MAXFILES (AS SPECIFIED FOR THE DATABASE)

Explanation: The specified file number(s) for FILE must be greater than zero and equal to or less than the value last specified by the MAXFILES parameter in the ADADEF DEFINE utility.

Action: Ensure that the defined file(s) are correct according to MAXFILE, that the specified files actually exist and that no files have been deleted.

SEL-014 FILE TABLE OVERFLOW – INCREASE NF

Explanation: The allowed number of files for ADASEL processing was exceeded.

Action: Specify a larger file table value by using the SET GLOBALS statement parameter NF. The SET GLOBALS statement must come before the other ADASEL input statements. See the *Adabas Utilities Manual* for more information.

SEL-015 NO FDT READ DUE TO UNAVAILABILITY VIA AN ADABAS NUCLEUS OR BECAUSE THE FILE IS NOT LOADED

Explanation: One or more of the specified files is not available for ADASEL processing. The unavailable file(s) are either locked by the Adabas nucleus, or have not been loaded into the database.

Action: Either correct the ADASEL FILE specification to remove the files in question, or resubmit the job later when the files are available.

SEL-016 SYNTAX – INVALID DATE/TIME VALUE SPECIFIED

Explanation: The “starting from” and “ending at” date/time specification was incorrect. The format may be any one of the following:

yyyymmdd/hhmmss
J(yyyddd/hhmmss)
X'xxxxxxxx'

Action: Correct the date/time specification and rerun the ADASEL job.

SEL-018 SYNTAX – UNDEFINED OR ILLEGAL FIELD NAME

Explanation: The specified ADASEL fieldname is incorrect, or does not exist.

Action: Specify a correct fieldname, then rerun the ADASEL job.

SEL-019, SYNTAX – FIELD NAME SPECIFIED IS NOT AN ELEMENTARY (name) A GROUP OR PE (periodic) – GROUP NAME IS NOT PERMITTED

Explanation: A field was specified for ADASEL that is not an elementary field, or the index value for a periodic group field was forgotten. Multiple-value and periodic group names, super-, sub-, hyper- or phonetic descriptor fields are not allowed.

Action: Respecify the field correctly, then rerun the ADASEL job.

SEL-020 SYNTAX – INVALID PERIODIC INDEX SPECIFIED (MUST BE 0 < PE <= 191)

Explanation: A periodic group field was specified for ADASEL with an incorrect or invalid index value, which must be in the range of 1–191.

Action: Specify the correct index value and rerun the ADASEL job.

SEL-021 SYNTAX – ILLEGAL HYPHEN SPECIFIED IN AN INDEX

Explanation: A periodic group's field or multiple-value field's occurrence contained an illegal hyphen in the index portion of the specification.

Action: Correct the specification and rerun the ADASEL job.

SEL-022 SYNTAX – AN INDEX IS SPECIFIED FOR A NON1-INDEXABLE FIELD NAME; I.E., NOT AN MU- OR PE-FIELD

Explanation: An index value or range was specified for a field that is neither in a periodic group nor an occurrence in an multiple-value field.

Action: Remove the index value from the field specification, or correct the field name to show a periodic group or multiple-value field.

SEL-023 SYNTAX – MISSING OR ILLEGAL MU-INDEX

Explanation: A multiple-value field was specified for ADASEL with an incorrect or missing index value, which must be in the range of 1–191.

Action: Specify the correct index value and rerun the ADASEL job.

SEL-024 SYNTAX – ‘FROM’ INDEX VALUE IS > ‘TO’ INDEX VALUE

Explanation: The “FROM” index specification for a multiple-value (MU) or periodic group (PE) field for the ADASEL job is greater than the “TO” index specification.

Action: Specify correct index value(s) and rerun the job.

SEL-025 SYNTAX – FIELDS DEFINED WITH A FORMAT OF FLOAT ARE NOT PERMITTED TO BE SPECIFIED

Explanation: A field was defined for ADASEL that is in floating-point format. Floating point fields cannot be specified in an ADASEL search argument.

Action: Respecify the ADASEL search argument using non-floating-point field name(s).

SEL-026 SYNTAX – MISSING QUOTE(S) FOR AN ALPHAMERIC VALUE

Explanation: An alphanumeric value was specified without being enclosed in apostrophes ([X]’...’).

Action: Correct the value specification and rerun the ADASEL job.

SEL-029 SYNTAX – ILLEGAL FROM/THRU/BUT NOT VALUE SPECIFIED; I.E., EQUAL > THRU OR BUT NOT > THRU, ETC

Explanation: An incorrect ADASEL criterion value range was specified.

Action: Correct the EQUAL ..., THRU ...(through ...), and/or BUT NOT... values and rerun the ADASEL job.

SEL-030 SYNTAX – VALUE LENGTH EXCEEDS THE FIXED LENGTH DEFINED FOR THIS FIELD

Explanation: The field selected by the ADASEL criterion is defined with the fixed-length (FI) option, but the value specified for the field is longer than allowed by the field’s FDT definition.

Action: Correct the value size and rerun the ADASEL job.

**SEL-031 SYNTAX – MAXIMUM NUMBER OF IF – LEVELS EXCEEDED.
INCREASE NIF**

Explanation: The number of “nested” IF levels in the ADASEL IF/THEN [ELSE] statement is more than allowed. The number of IF... levels is controlled by the ADASEL SET GLOBALS/NIF parameter.

Action: Specify a larger IF... count by using the SET GLOBALS statement parameter NIF. The SET GLOBALS statement must come before the other ADASEL input statements. See the *Adabas Utilities Manual* for more information.

SEL-032 SYNTAX – UNMATCHED IF/ELSE STATEMENTS

Explanation: ADASEL detected an IF... without an ELSE..., or vice versa. IF... and ELSE... conditional parameters must occur in pairs.

Action: Correct the ADASEL IF/ELSE syntax to create paired conditional parameters, and rerun the job.

SEL-033 SYNTAX – UNMATCHED DO/DOEND STATEMENTS

Explanation: ADASEL detected a DO... statement without a matching DOEND..., or vice versa.

Action: Correct the ADASEL DO...DOEND syntax to create DO...DOEND pairs, and rerun the job.

**SEL-034 SYNTAX – DDEXPA DATASET NUMBER SPECIFIED – MUST BE
1 – 20 INCLUSIVE**

Explanation: The ADASEL output dataset(s) DD/EXPAn was either not numbered or incorrectly numbered. There must be at least one output dataset (DD/EXPA1), up to a maximum of twenty, numbered in adjoining ascending order (DD/EXPA1, DDEXPA2, ... DD/EXPA20).

Action: Correct the DD/EXPAn job control statement(s), and rerun the ADASEL job.

SEL-035 SYNTAX – THE YEAR SPECIFIED IN THE DATE MUST BE 1980 OR LATER

Explanation: The “yyyy” portion of the date specified by the ADASEL input statement must be “1980” or later.

Action: Correct the date and rerun the ADASEL job.

SEL-036 FIELD DESCRIPTION TABLE OVERFLOW – INCREASE NV

Explanation: The table for field evaluations in ADASEL is too small. Each “evaluation” of a field requires one table entry—regardless of whether only one field is evaluated many times or many fields, one time each.

Action: Specify a larger field evaluation table value by using the SET GLOBALS statement parameter, NV. The SET GLOBALS statement must come before the other ADASEL input statements. See the *Adabas Utilities Manual* for more information.

SEL-037 AN UNDEFINED ASSO DEVICE TYPE WAS SPECIFIED. CHECK THE ADARUN DEVICE PARAMETER

Explanation: A DD/ASSORn job control statement for the ADASEL job specified an incorrect or undefined Associator device type. The default device type is the type specified by the ADARUN DEVICE parameter, but other device types may have been specified for the Associator. The ADAREP utility report or Adabas Online System “Database Report” function shows the devices in use for the Associator.

Action: Correct the DD/ASSORn job control statement, and rerun the ADASEL job.

SEL-038 INVALID TYPE VALUE SPECIFIED, MUST BE AI/BI/ALL

Explanation: The ADASEL “SELECT...” specification is incorrect. The choices are before image (BI), after image (AI), or ALL.

Action: Correct the SELECT specification, then rerun the ADASEL job.

SEL-039 INVALID FILE NUMBER SPECIFIED

Explanation: The ADASEL FILE... specification specified an invalid file number. There is no FDT for a file with the specified number.

Action: Correct the SELECT specification, then rerun the ADASEL job.

SEL-040 INVALID OR ILLEGAL FROM/THRU ISN VALUES SPECIFIED

Explanation: An ADASEL criterion specified invalid EQUAL... and/or THRU (through)... ISN values.

Action: Correct the SELECT specification, then rerun the ADASEL job.

SEL-041 I/O ERROR ON DDKARTE

Explanation: An input/output error occurred while ADASEL was reading the DD/KARTE input statements.

Action: Record and/or save all output from the job, your input statements and any dump, then contact Software AG technical support for additional instructions.

SEL-043 TABLE OVERFLOW – TOO MANY VALUES SPECIFIED

Explanation: ADASEL encountered a record that could not be decompressed.

Action: Record and/or save all output from the job, your input statements and any dump, then contact Software AG technical support for additional instructions.

SEL-044 SYNTAX – INVALID OR ILLEGAL GLOBAL PARAMETER

Explanation: ADASEL detected an invalid SET GLOBALS statement value. The SET GLOBALS statement, which should come before the ADASEL parameters themselves, overrides default values for the ADASEL parameters.

Action: Correct the SET GLOBALS statement in the ADASEL DD/KARTE job control segment, and rerun the ADASEL job. See the *Adabas Utilities Manual* for more information.

**SEL-045 UNABLE TO OBTAIN SUFFICIENT MEMORY FOR PROCESSING—
RERUN IN A LARGER PARTITION OR ADDRESS SPACE**

Explanation: The ADASEL job could not be run in the existing space.

Action: Allocate more space for this nucleus, then rerun the ADASEL job.

**SEL-046 UNABLE TO PROCESS A DATA STORAGE RECORD DUE TO AN
INVALID MU/PE – COUNT OR FIELD VALUE LENGTH**

Explanation: ADASEL detected an incorrect multiple-value field count or periodic group occurrence, or a field value was specified that is incompatible with the defined field's actual length. ADASEL could not continue processing.

Action: Correct the incompatibility, then rerun the ADASEL job.

SEL-047 PE-VALUE TABLE OVERFLOW – INCREASE LPV

Explanation: The table for evaluating periodic-group (PE) fields in ADASEL is too small. ADASEL normally computes this size automatically; however, there may have been more occurrences matching the search criterion than normal.

Action: Specify a larger PE field evaluation table value by using the SET GLOBALS statement parameter, LPV. The SET GLOBALS statement must come before the other ADASEL input statements. See the *Adabas Utilities Manual* for more information.

SEL-048 DDKARTE OPEN FAILED

Explanation: ADASEL was unable to open the DD/KARTE input statement dataset.

Action: Ensure that the DD/KARTE statement is valid and specifies an available ADASEL job setup. Then rerun the ADASEL job.

SEL-049 I/O ERROR ON DDRUCK

Explanation: The DD/DRUCK job control statement, which specifies the print output dataset for ADASEL, is either incorrect or specifies an unavailable dataset or device.

Action: Correct the problem and rerun the ADASEL job.

SEL-051 SYNTAX – IF STATEMENT NOT PERMITTED WITHIN A DO-GROUP

Explanation: An ADASEL IF... statement cannot be within a DO...DOEND stream.

Action: Move the IF... statement outside the DO...DOEND stream, or delete one of them. Then rerun the ADASEL job.

SEL-052 SYNTAX – GLOBAL PARAMETER EXCEEDS THE MINIMUM/MAXIMUM VALUES

Explanation: ADASEL detected an invalid SET GLOBALS parameter value. The value is most likely outside the range allowed for the parameter. The following are some SET GLOBAL parameters and their allowed ranges:

LS: 1–132

NF: 1–20

NIF: 0–20

PS: 2–999

Action: Correct the SET GLOBALS statement in the ADASEL DD/KARTE job control segment, and rerun the ADASEL job. See the *Adabas Utilities Manual* for more information.

SEL-053 I/O ERROR ENCOUNTERED ON DDSIIN

Explanation: The DD/SIIN job control statement, which specifies the sequential input (SIBA) log dataset for ADASEL, is either incorrect or specifies an unavailable dataset or device. Another possible cause is that the DD/SIIN dataset is not the sequential output file from an ADARES COPY/PLCOPY operation, as required by ADASEL.

Action: Correct the problem and rerun the ADASEL job.

SEL-054 I/O ERROR ENCOUNTERED ON DDEXPA

Explanation: The DD/EXPA job control statement, which specifies the print output dataset for ADASEL, is either incorrect or specifies an unavailable dataset or device.

Action: Correct the problem and rerun the ADASEL job.

SEL-057 DECOMPRESS ERROR – PROCESSING ABORTED

Explanation: While decompressing a file, ADASEL detected a record that it could not decompress.

Action: Record and/or save all output from the job, your input statements and any dump, then contact Software AG technical support for additional instructions.

SEL-058 FILE IS CIPHERED AND CANNOT BE AUDITED

Explanation: ADASEL cannot be run on ciphered files.

Action: Change the file specification to exclude all ciphered files, then rerun the ADASEL job.

SEL-059 SYNTAX – CHANGES OPTION NOT PERMITTED WITH SELECTION OF NEW OR DELETED RECORDS

Explanation: The CHANGES option requires both a before (BI) and after (AI) image for comparison following an update (A1/4) command. Either the BI or AI image was not available.

Action: Remove the CHANGES parameter from the ADASEL syntax.

SEL-060 CHANGE POOL IS TOO SMALL – INCREASE NCFLD OR NCUPD AND RERUN

Explanation: The default values of 10 (the count of “field-name” CHANGES... statements) for the NCFLD and NCUPD SET GLOBALS parameters of the ADASEL job are not large enough. These two counts are multiplied to determine the correct value.

Action: Increase one or both of the NCFLD and NCUPD parameters in the SET GLOBALS statement of the ADASEL DD/KARTE job, and rerun the ADASEL job. See the *Adabas Utilities Manual* for more information.

SEL-061 SYNTAX – PE/MU INDEX INCORRECTLY SPECIFIED FOR CHANGES OPTION

Explanation: The IF “field-name” CHANGES... conditional statement of an ADASEL job specified a multiple-value (MU) field value or periodic group (PE) occurrence index value that does not exist, or that has no before (BI) **and** after (AI) image. The field value or group occurrence may have been added or deleted, eliminating one of the required images.

Action: The IF..CHANGES... conditional statement cannot be specified in this case. Redefine the ADASEL statement.

SEL-062 ERROR DURING DECOMPRESSION, INTERNAL RESPONSE=reason-code

Explanation: While decompressing a file, ADASEL detected a record that it could not decompress. The “reason-code” tells you why:

- 4 A decompressed numeric field value is longer than allowed by the field’s definition in the FDT. The value cannot be truncated during decompression.
- 8 A decompressed record is too long for the sequential block size of the output dataset.

Action: Record and/or save all output from the job, your input statements and any dump, then contact Software AG technical support for additional instructions.

SEL-133 WARNING. PLOG HAS NOT BEEN MERGED

Explanation: The PLOG was created by an Adabas cluster nucleus and has not yet been merged using the ADARES PLCOPY procedure.

Action: Merge the PLOGs using the ADARES PLCOPY function before you extract data using ADACDC.

ADAULD Error Messages

ERROR-121 CIPHER-CODE MISSING

Explanation: The file is ciphered but no cipher code is supplied.
Action: Supply the correct cipher code and rerun the ADAULD job.

ERROR-122 CIPHER CODE SUPPLIED, BUT FILE IS NOT CIPHERED

Action: Remove the cipher code and rerun the ADAULD job.

ERROR-123 NO RECORDS SELECTED

Explanation: No records found according to the given search criterion. The resulting unloaded file contains only the field definition table (FDT).

ERROR-124 ERROR LIMIT REACHED

Explanation: “error-count” errors have occurred (the displayed message contains an actual count). ADAULD execution is terminated.

ERROR-125 INVALID VALUE FOR PARAMETER ‘NUMOUT’

Explanation: NUMOUT must be 1 or 2. If NUMOUT=2, user exit 9 must be loaded.
Action: Supply a correct parameter or a user exit, and rerun the job.

ERROR-126 ‘SELVAL’ PARAMETER MISSING

Action: Supply a valid selection criterion and rerun the job.

ERROR-127 INVALID VALUE FOR THE PARAMETER ‘LRECL’ OR ‘LPB’

Explanation: The LRECL and LPB parameters must be less than 32,768.
Action: Supply the correct parameter value and rerun the ADAULD job.

ERROR–128 DIFFERENT RECORD LENGTHS FOR DDOUT1 AND DDOUT2

Explanation: The maximum record lengths of the output datasets must be equal.

Action: Supply the correct output datasets and rerun the ADAULD job.

ERROR–129 INVALID 'SORTSEQ' PARAMETER parameter

Explanation: The field cannot be used to determine the unload sequence because it

- is undefined;
- is not a descriptor;
- is a phonetic descriptor; or
- (or part of the field) is within a periodic (PE) group.

Action: Choose another sequence, and rerun the ADAULD job.

ERROR–130 DESCRIPTOR desc-name HAS option OPTION

Explanation: Unloading the file in descriptor “desc-name” sequence may lead to variations in the normal sequence (anomalies).

Action: If you nevertheless want to perform that unload sequence, supply the “option” parameter. Otherwise, choose another unload sequence. Then rerun the ADAULD job.

ERROR–131 INVALID ETID PARAMETER

Explanation: The file to be unloaded is not defined with the multiclient option.

Action: Remove the ETID parameter and rerun the ADAULD job.

ERROR–132 MISSING ETID PARAMETER

Explanation: The file to be unloaded is defined with the multiclient option. Selecting records according to a search criterion requires that a single ETID be specified.

Action: Specify the ETID parameter, and rerun the ADAULD job.

ERROR-133 THE FILE NUMBER SUPPLIED IS A CHECKPOINT OR SECURITY FILE

Explanation: Checkpoint and security files may not be unloaded.

Action: Supply a correct input file and rerun the job.

ERROR-134 INVALID SAVE TAPE SUPPLIED

Explanation: The dataset supplied as the DD/SAVE input dataset is not a save tape.

Action: Supply a valid save tape and rerun the job.

ERROR-135 INVALID PROTECTION LOG SUPPLIED

Explanation: Once of the following occurred:

- The requested protection log has DBID *dbid1*, session number *plognum1*, but the supplied protection log has DBID *dbid2*, session number *plognum2*.
- The SYN1/SYN4 checkpoint is not contained in the protection log block *blocknumber*.
- The SYN2/SYN5 checkpoint is not contained anywhere on the protection log.
- Another SYN1/SYN4 checkpoint was encountered before the expected SYN2/SYN5 checkpoint.
- The supplied input tape is not a protection log.

Action: Supply the correct protection log and parameters, and rerun the job.

ERROR-136 TEMP DATASET TOO SMALL

Explanation: The temp dataset is not large enough to buffer all Data Storage blocks found for file *file-number* on the protection log.

Action: Supply a larger temp dataset and rerun the job.

ERROR-137 THE INPUT TAPES OF A MULTIVOLUME SAVE DATASET ARE MOUNTED IN THE WRONG ORDER

Explanation: The tapes of a multivolume dataset are mounted in the wrong order. ADAULD terminates.

Action: Supply the tapes in the correct order and rerun the job.

ERROR-138 ERROR DURING DSF PROCESSING

Explanation: An error occurred while the Adabas Delta Save Facility was processing the requested function for the delta save dataset. The Delta Save Facility returned the response code provided in the message.

Action: Refer to the information for the specified response code. Correct the error and rerun the job.

ERROR-139 UNLOAD WITHOUT FULL SAVE NOT POSSIBLE

Explanation: The full save tape required to unload from a delta save dataset is not supplied.

Action: Supply the fullsave dataset and rerun the job.

ERROR-140 INVALID VALUE FOR THE PARAMETER CODE

Explanation: A valid value has at most eight (8) digits or blanks.

Action: Supply a valid parameter value and rerun the job.

ERROR-141, NO PROTECTION LOG SUPPLIED

Explanation: The unloaded file was changed during an online save operation but no protection log is supplied. The unloaded data is probably inconsistent.

ERROR-142 INVALID DDISN PARAMETER

Explanation: The DDISN parameter must not be specified if SORTSEQ=descriptor,MU is also specified, or if the descriptor specified with SORTSEQ is a hyperdescriptor.

Action: Supply the correct parameter value and rerun the job.

ERROR-143 THE INPUT DATASET/FILE DDEBAND OR DDISN DOES NOT HAVE THE RECORD FORMAT VARIABLE OR VARIABLE BLOCKED (V OR VB)

Explanation: The record format of DD/EBAND and DD/ISN must be V or VB.

Action: Supply the correct input and rerun the job.

ERROR-144 INVALID ET-ID

Explanation: When running DECOMPRESS on a multicient file, Adabas processes either

- the entire file if ET-ID is not specified; or
- the selection of records allowed for the client identified by ET-ID.

The user ID referred to by the 'ETID' parameter is either not defined or has not been assigned an owner ID.

Action: Investigate the cause of the error; correct it; and rerun the job.

ADAULD Information Messages**MODE=SHORT WILL BE FORCED
FOUND FIELD(S) DEFINED WITH COLDE OPTION**

Explanation: At least one field was found with the collation descriptor option defined. In this case, MODE=SHORT is required. Adabas has forced this parameter setting.

Action: None required. This message is for information only.

ADAVAL Error Messages

ERROR-121 INVALID DESCRIPTOR FIELD LIST FOR VALIDATE

Explanation: The field name (field-name) is either

- not in the FDT; or
- not a descriptor.

Action: Supply the correct parameter value, and rerun the ADAVAL job.

ERROR-122 TEMP DATASET TOO SMALL; INPUT RECORD COUNT= count

Action: Supply a larger TEMP dataset/file. See the *Adabas Utilities Manual* for information about calculating TEMP space.

ERROR-124 INVALID FILE REQUESTED: FNR=file-number

Explanation: The Adabas checkpoint/security file cannot be checked by ADAVAL.

Action: Supply a correct file list and rerun the ADAVAL job.

ERROR-130 ERROR INITIALIZING COLLATING USER EXIT – RETURN CODE=return-code

Explanation: An error occurred while the collation descriptor user exit was being initialized.

Action: Investigate the cause of the error; correct it; and rerun the job.

ERROR-131 COLLATING USER EXIT NOT LOADED

Explanation: The collation descriptor user exit requested is not loaded.

Action: Load the exit and rerun the job.

ADAZAP Error Messages

ERROR-121 INCORRECT MASTERCODE SUPPLIED

Explanation: The 8-byte mastercode specified in the MCODE parameter is incorrect.

Action: Supply the correct mastercode and rerun the job.

ERROR-122 ADABAS ACTIVE, ADAZAP NOT PERMITTED TO RUN

Explanation: ADAZAP runs only when the relevant Adabas nucleus is inactive.

Action: Shut down the nucleus and rerun the job.

ERROR-123 VER-STRING IS SHORTER THAN REP-STRING

Explanation: The length of the string specified by VER is shorter than the string specified by REP.

Action: Specify the length of VER at least as long as the length of REP.

ERROR-124 VER AND LENGTH ARE MUTUALLY EXCLUSIVE

Explanation: The VER parameter and the LENGTH parameter may not be specified at the same time.

Action: Specify either VER or LENGTH, but not both.

ERROR-125 OFFSET IS BIGGER THAN BLOCKLENGTH

Explanation: The OFFSET value specified is greater than the block length.

Action: Specify a smaller OFFSET value so that it falls within the block.

ERROR-126 VERIFY NOT MATCHED, STRING WAS: string

Explanation: The VER value specified did not match.

Action: Specify the correct VER value and rerun the job.

Utility Return Codes

When an Adabas utility returns control to the operating system and no ABEND has occurred, the utility writes a return codes in the rightmost positions of general register 15:

| Code | The utility operation ... |
|------|--|
| 0 | was successful. |
| 4 | was successful but encountered a warning condition. |
| 8 | encountered an error condition but then continued. |
| 16 | was successful in its main function but then encountered an error condition. |
| 20 | could not be completed. The operation encountered an error condition but did not terminate abnormally because NOUSERABEND was specified. |

Note:

Utilities that terminate with return code 4 write "...terminated with warning" as the last message. This indicates that, although the utility function completed successfully, circumstances may have rendered the result of the function different from that which was expected. The job protocol contains one or more related warning or error messages.

Return codes are supported by operating system as described in the following table:

| Op Sys | Return Code Support |
|----------------|--|
| OS/390 z/OS | See the job control language reference manuals for job step condition code information. |
| VM/ESA z/VM | The command language keeps track of the return code. |
| VSE/ESA | Return codes are supported. |
| BS2000 | Return codes are supported using job variables. For more information, see the <i>Adabas Installation Manual</i> section How to Manage Job Variables in the Adabas Environment . |

Depending on the operating system and the utility, the return code can be tested to determine the utility job status:

- A zero return code always indicates successful completion of the utility.
- The meanings of return codes 4 or 8 depend on the utility in operation at the time.

These unsuccessful return code (RC) meanings are described here in alphabetical order by Adabas utility.

ADAACK

Return Code 4 or 8

Explanation: Database inconsistency.

ADACMP

Return Code 4

Explanation: At least one rejected record.

ADADBS

Return Code 4

Explanation: One of the following occurred:

- CHANGE, NEWFIELD, or RELEASE: The operation was performed on a component file of an expanded file. The other component files must be processed explicitly.
- MODFCB: MAXRECL must be the same for all component files.
- OPERCOM ADAEND/CANCEL: The Adabas nucleus was not active.
- OPERCOM CLUFREEUSER: One or more otherwise eligible UTEs were not deleted because they were due a response code 9, subcode 20, and FORCE was not specified.
- OPERCOM DUQE: The user queue element (UQE) for the specified user ID was not found.
- RESETDIB: The IDENT job name was not found.

Return Code 8

Explanation: One of the following occurred:

- DELETE: The file to be deleted was not found.
- OPERCOM STOPU: The function received an Adabas response code.
- RELEASE: An invalid descriptor name was specified, or the function received an Adabas response code.

ADADEF**Return Code 4**

Explanation: NEWWORK: Attempt to write RLOG information or close RLOG dataset failed.

ADADCK**Return Code 4 or 8**

Explanation: Database inconsistency.

ADAICK**Return Code 4**

Explanation: One of the following occurred:

- GETMAIN failed.
- ICHECK detected WARNING-163 (unreachable index blocks).

Return Code 8

Explanation: Database inconsistency.

ADAINV**Return Code 4**

Explanation: One of the following occurred:

- The utility's DIB entry was removed by another user during ADAINV operation.
- (all functions) Attempt to write RLOG information or close RLOG database failed.
- ADAINV was restarted, but at least one of the descriptors to be inverted was already in the index. The index is correct.
- ADAINV INVERT was run on a component file of an expanded file. The other component files must be explicitly inverted.

ADALOD**Return Code 4**

Explanation: One of the following occurred:

- More DDEBAND records were available than specified by the NUMREC parameter.
- More DDEBAND records were available than ISNs for those records.
- The utility's DIB entry was removed by another user during ADALOD operation.
- The file to be loaded could not be added to the expanded file chain.
- (all functions) Attempt to write RLOG information or close RLOG dataset failed.

- In an UPDATE function, the allocation of a file-specific DLOG extension failed. ADALOD completed the UPDATE function, but marked the whole file as changed; it did not log the Data Storage and address converter RABNs of blocks that were actually changed.

ADAORD

Return Code 4

Explanation:

One of the following occurred:

- The utility's DIB entry has been removed by another user during ADAORD operation.
- (all functions) Attempt to write RLOG information or close RLOG dataset failed.
- RESTRUCTURE functions: Initialization of RLOG processing failed.
- RESTRUCTUREDDB: Attempt to initialize RLOG access failed.
- RESTRUCTUREF: Attempt to initialize RLOG access failed.
- A system file was excluded from ADAORD STORE operation.
- MAXRECL was specified for a component of an expanded file. Ensure that the same MAXRECL is specified for all components.
- Allocation of the DLOG extension failed.
- Nonzero return code received from ADARAC.

ADARAI

Return Code 4

Explanation:

ADARAI RECOVER cannot create the job control statements needed for the sequential file used during utility execution. The message "unknown file element" is returned and the RECOVER function completes with return code 4. The generated job control must then be edited. See message ADAR78.

ADAREP

Return Code 4

Explanation:

One of the following occurred:

- An overlap of file extents or of file extents and free space extents was detected.
- A gap between file extents or between file extents and free space extents was detected.
- A checkpoint contains an unknown checkpoint type or format.
- The field definition table (FDT) does not exist for the existing file control block (FCB).
- The FCB contains an invalid file number.
- A bad ISN/RABN length indicator was detected in the FCB.
- At least one parent field in the FDT has no corresponding special descriptor table (SDT) field.
- An invalid FDT/SDT length was detected.
- The count of coupled files is greater than 18.
- There are inconsistencies in the expanded file chain.
- The volume serial number could not be identified.
- For a report from an online save tape, either no protection log was specified, an invalid protection log was specified, or an error was encountered while processing the protection log.
- CPLIST or CPEXLIST was specified in conjunction with SAVETAPE.
- FROMDATE, TODATE, FROMSESSION, or TOSESSION was specified without CPLIST or CPEXLIST.
- NOCOUNT was not specified in conjunction with SAVETAPE.
- An error occurred converting the mirror table to version 7 format.
- All components of an expanded file did not have the same MAXRECL.

ADARES

Return Code 4

- Explanation:* One of the following occurred:
- (all functions) Attempt to write RLOG information or close RLOG dataset failed.
 - COPY: A block count mismatch occurred.
 - PLCOPY: Attempt to initialize RLOG access failed.
 - PLCOPY: Attempt to open Adabas nucleus failed with a response code other than zero or 148.
 - PLCOPY: No protection log datasets are currently at completion. No data will be copied or merged at this time.
 - PLCOPY: Warning! The supplied input intermediate dataset is empty. This should only happen on the initial run of ADARES. Processing continues.
 - COPY/CLCOPY/PLCOPY: No records to be copied.
 - COPY/PLCOPY/CLCOPY: The Associator datasets could not be opened; therefore, no checkpoints have been written.
 - The point indicated by TOPLOG/TOBLK/TOCP could not be found.
 - BACKOUT and REGENERATE: No records to be processed were found.
 - REGENERATE found batch utility runs which must first be executed before REGENERATE can complete.
 - The parallel participant table (PPT) indicates that there are currently no PLOGs to be copied for this cluster database.
 - The parallel participant table (PPT) indicates that there are currently no CLOGs to be copied for this cluster database.

Return Code 8

Explanation: One of the following occurred:

- (Adabas Delta Save Facility) An error occurred in a PLCOPY or COPY function when processing the delta save images (DSIM) dataset. Building the DSIM dataset was discontinued. The PLCOPY or COPY function continued normally. RC 8 is also given in all cases where the DSIM dataset is necessary but is not available or is not usable.
- REGENERATE or BACKOUT function determined that one or more files in the file list were in an inconsistent state; that is, in load, reorder, refresh, or restore status. Processing continues for all other files in the filelist.

Return Code 16

Explanation: An error occurred after the PLCOPY/CLCOPY function successfully closed the DD/SIAUS1 or DD/SIAUS2 dataset. The error message is printed in DD/DRUCK.

ADASAV

Return Code 4

Explanation: One of the following occurred:

- (all functions) Attempt to write RLOG information or close RLOG dataset failed.
- (Adabas Delta Save Facility) The nucleus returned a response code after ET synchronization at the end of an online save operation, but the online save operation was nevertheless completed successfully. The response code was ignored by ADASAV.
- The utility's DIB entry was removed by another user during ADASAV operation.
- MERGE: Attempt to initialize RLOG access failed.

- RESTORE (database) or RESTORE GCB: Attempt to initialize RLOG access failed.
- RESTORE could not be performed for a file that was already present because OVERWRITE was not specified.
- RESTONL (database) or RESTONL GCB: Attempt to initialize RLOG access failed.
- SAVE could not be performed on a file that was inaccessible. The file is in load, refresh, reorder, or restore status.
- SAVE FILE: Attempt to initialize RLOG access failed.

Return Code 16

Explanation: (Adabas Delta Save Facility) An error occurred after a full or delta save operation completed successfully.

ADASEL

Return Code 4

Explanation: No records were found matching the selection criterion.

ADAULD

Return Code 4

Explanation: One of the following has occurred:

- No records were found using ADAULD selection criteria/values.
- UNLOAD: Attempt to initialize RLOG access failed.

Return Code 8

Explanation: The nucleus returned a non-zero response code. Depending on the ERRLIM parameter of ADAULD UNLOAD, the function may continue. Unloaded data can be used, but records may be missing depending on the particular response code returned.

ADAVAL**Return Code 4**

Explanation: Not all files were validated.

Return Code 8

Explanation: Database inconsistency.

USER ABEND CODES

The decimal ABEND (abnormal end) codes described in this chapter occur in ADAInn, ADARUN, and in some utility messages. The message ADAM99 presents both system and nucleus STAE ABEND codes in hexadecimal; in this case, a nucleus ABEND code must first be changed to decimal before the description can be located here.

Most ABEND codes (except 20) result from errors that normally require assistance from your Adabas support technical representative. If ABEND codes 23 or 24 occur, save the Work dataset. For all ABEND codes, save any dumps and note any messages or other indications that the system issues. Advise your Adabas technical support representative of the error.

| Code | Module | Explanation |
|------|-----------|---|
| 15 | (nucleus) | Work pool too small to execute session. Open autorestart. |
| 19 | (nucleus) | Two-phase commit logic error. |
| 20 | (nucleus) | Error during system startup (refer to section Nucleus Start-up Error Messages in chapter 2). |
| 21 | (nucleus) | Fatal error during execution. |
| 22 | (nucleus) | I/O error on sequential SIBA and PLOGRQ=YES specified. |
| 23 | (nucleus) | WORK overflow. |
| 24 | (nucleus) | Autostart cancelled – protection area inconsistent. |
| 25 | (nucleus) | Logical I/O error: Adabas was unable to track one or more I/O operations). |
| 26 | (nucleus) | Adabas session cancelled by operator command. |
| 27 | (nucleus) | Session ended due to work pool space problems. |
| 28 | (nucleus) | Nucleus problem during an asynchronous buffer flush. |
| 29 | (nucleus) | Adabas Transaction Manager (ATM) interface error. |
| 30 | (nucleus) | Adabas Transaction Manager (ATM) interface error. |
| 33 | (nucleus) | Logic error during file number validation. |
| 33 | ADARAC | Fatal error during recovery logging (Adabas Recovery Aid). |
| 34 | utilities | Severe error with dump. |
| 35 | utilities | Abnormal termination without dump. |
| 36 | utilities | I/O error occurred while writing to DDDRUCK or DDPRINT. Check JCL. |

| Code | Module | Explanation |
|------|-----------|---|
| 38 | (nucleus) | Unexpected response code. An internal command received an unexpected response code. |
| 39 | (nucleus) | Fatal internal response code occurred during asynchronous buffer flush. |
| 40 | ADACOM | Fatal error during ADACOM processing (cluster environments). |
| 41 | ADADSFN | Fatal error during Delta Save Facility processing. |
| 42 | (nucleus) | An ADAESI or security violation occurred at startup. |
| 43 | (nucleus) | Logic error in command selection (freeze table). |
| 44 | (nucleus) | Logic error in an FST write or an online process. |
| 45 | (nucleus) | Logic error in asynchronous buffer flush by volume (with ASYTVS=YES). |
| 46 | (nucleus) | Logic error in the buffer pool manager. |
| 47 | (nucleus) | Logic error in thread management |
| 48 | (nucleus) | Logic error in an ADANCX (cluster environments). |
| 49 | (nucleus) | General internal error (various reasons): provide job output and a dump for resolution. |
| 50 | (nucleus) | Logic error in SRB code (Adabas Cluster Services) |
| 51 | (nucleus) | Logic error in dynamic Work access |
| 52 | (nucleus) | STCK clock not running |
| 53 | (nucleus) | Logic error in global HQE lock handling |
| 54 | (nucleus) | Logic error in global file lock handling |
| 55 | ADACLU | Fatal error during ADACLU processing (cluster environments). |
| 56 | (nucleus) | Logic error in ET synchronization process |
| 57 | (nucleus) | Unexpected error during online recovery |
| 58 | (nucleus) | Error in protection record bookkeeping |
| 82 | (nucleus) | Logic error in file activity bookkeeping |
| 89 | (nucleus) | Logic error during global update command synchronization |
| 108 | ADATRA | Failure to load and install the trace module. |
| 221 | MPMVSE | Invalid operating system |
| 222 | MPMVSE | Invalid function |
| 223 | MPMCMS | Unsuccessful STAE |

| Code | Module | Explanation |
|------|-----------------|---|
| 224 | MPMCMS | Invalid operating system |
| 225 | MPMCMS | Invalid function |
| 226 | MPMCMS | Invalid FORCE of active target |
| 227 | MPMBS2 | Wrong ADARER module found |
| 228 | MPMBS2 | STXIT not successfully installed |
| 229 | MPMBS2 | Invalid function |
| 230 | MPMBS2 | Invalid router-40 caller The router-40 call is used to change entries in the ID table in the common memory. The authority of the caller is checked before the change is made. If another Entire Net-work task was started with the FORCE=YES option specified, this task may now be prevented from issuing router-40 calls, and could have been abended. |
| 231 | MPMBS2 | Caller not correct target |
| 232 | MPMBS2 | Invalid IDT |
| 233 | MPMBS2 | Adabas cancelled in BOURSE WAIT (see the ADAM82 message description in chapter 1). |
| 234 | MPMBS2 | Enqueue to IDT failed (BS2000) |
| 235 | ADAMP2 | Unable to acquire memory for MPM client table UTAB (BS2000) |
| 247 | MPMMVS | Unsuccessful STAE |
| 248 | MPMMVS or MPMF4 | Invalid operating system or RMODE; for MPMF4, invalid operating system or RMODE; or CID GETMAIN failed The operating system check did not recognize a “known” operating system. The known systems are MVS/ESA and OS4/F4 MSP/20, MSP/EX, and MSP/AE. For MVS/ESA: if the nucleus is running AMODE 31, then RMODE 24 was not set for at least one Adabas module other than ADALNK. |
| 249 | MPMMVS | Invalid function |
| 252 | IORSUB | Adabas subtask ABEND. See the ADAM90 message description in chapter 1. |
| 253 | MPMIND | Nonrecoverable ABEND (caused by STAE/STXIT processing program check or nucleus ABEND) See the ADAM99 message description in chapter 1. |

| Code | Module | Explanation |
|------|--------|--|
| 254 | MPMIND | Invalid function in abnormal termination recovery exit |
| 255 | MPMIND | Invalid function |
| 257 | MPMVSE | Return code on 24-call from FREEVIS |
| 435 | ADASIR | The subsystem name specified is already being used by another ADABAS SVC. Select another subsystem name and rerun the job. |
| 436 | ADASIP | Invalid IDT for option table replace |
| 437 | ADASIP | No SSCT for option table replace |
| 438 | ADASIP | Incorrect ADAESI option table |
| 439 | ADASIP | ADAESI option table load error |
| 440 | IORCMS | Program loaded above 16-megabyte (RMODE=ANY) |
| 441 | IORCMS | Incorrect operating system version. Not VM/ESA. |
| 457 | LDICMS | Internal control blocks not found |
| 458 | LNKCMS | Unsupported function |
| 459 | LNKCMS | Invalid UB |
| 460 | LNKCMS | Invalid length of USER INFO, less than zero or modified by ZAP |
| 461 | LNKCMS | User exit before-call increased length of USER INFO |
| 462 | LDICMS | Line driver error encountered |
| 463 | LDICMS | IDT manager machine logged off |
| 464 | LDICMS | Invalid 40-caller |
| 465 | LDICMS | Invalid 00-call parameters |
| 466 | LDICMS | Invalid function |
| 468 | IORCMS | Output tape file protected |
| 469 | SIPMVS | ADASIP CDE cannot be found |
| 470 | SIPMVS | ADASVC load error |
| 471 | SIPMVS | Incorrect ADASVC |
| 472 | SIPMVS | SSCT disappeared |
| 473 | SIPMVS | ADASIR non-zero return code |
| 474 | SIPMVS | SVC table entry changed |
| 475 | SIPMVS | SSCT already exists |
| 476 | SIPMVS | GETMAIN error |
| 477 | SIPMVS | Incorrect ADASIR |

| Code | Module | Explanation |
|------|--------|--|
| 478 | SIPMVS | ADASIR load error |
| 479 | SIPMVS | BLDL error The module ADASVC was not found in the library having the DDNAME "SVCLIB" |
| 480 | SIPMVS | Open error |
| 481 | SIPMVS | EXEC PARM error |
| 482 | SIPMVS | SIPMVS not authorized |
| 483 | SIPMVS | RMODE or AMODE not 24 |
| 484 | SIPMVS | Invalid operating system |
| 485 | LNKBTO | Unsupported function |
| 486 | SVCMVS | Invalid PCR04 call |
| 487 | SVCMVS | Caller not correct target |
| 488 | SVCMVS | Invalid PCR16 call |
| 489 | SVCMVS | Invalid 48-call parameters |
| 490 | SVCMVS | Invalid 40-caller |
| 491 | SVCMVS | SVC 12-call without 16-call required |
| 492 | SVCMVS | Active dormant LX |
| 493 | SVCMVS | Invalid 00-call parameters |
| 494 | SVCMVS | Caller not authorized |
| 495 | SVCMVS | Invalid operating system |
| 496 | SVCMVS | No IDT |
| 497 | SVCMVS | Invalid function |
| 498 | LNKBTO | Invalid UB |
| 499 | LNKBTO | Length of USER INFO less than zero |
| 500 | LNKBTO | Error in link initialization routine |
| 501 | LNKBTO | Incorrect router version |
| 502 | LNKBTO | User exit before-call increased length of USER INFO |
| 503 | IORCMS | EVENTS error |
| 509 | IOROS | DEB error |
| 510 | SSFENV | SSF initialization error |
| 515 | IORIND | GTALNK error |

| Code | Module | Explanation |
|------|--------|--|
| 516 | IORIND | RWINT error |
| 519 | IORIND | UPELE error |
| 539 | IORSUB | FVSE error |
| 540 | IORSUB | FVST error |
| 545 | IOROS | BCP storage error |
| 546 | IORCMS | ADECB error |
| 547 | IOROS | Not MVS/ESA system; MVS/ESA RMODE is not 24; or MVS/ESA AMODE 31 is not allowed |
| 548 | IOROS | BCP error |
| 549 | IOROS | DLECB error |
| 550 | IOROS | QEDIT (block) error |
| 551 | IOROS | CHKIO error |
| 553 | IORCMS | Requested file not on tape |
| 554 | IORCMS | Block count in EOF/EOV label not equal to I/O count |
| 555 | IORCMS | Tape I/O error during mount or label processing |
| 556 | IORCMS | No virtual console |
| 557 | IORCMS | DLECB error |
| 558 | IORCMS | CHKIO error |
| 559 | IOROS | Incorrect SVC version |
| 560 | IOROS | Maximum blocks/track > minimum, I/O error, global sequential BLKSIZE too big, or invalid number (ECBS) |
| 561 | IOROS | EVENTS error |
| 563 | IORBS2 | Invalid TDCE found during ADAIOR INIT |
| 564 | IORBS2 | Failure to load ADAIOI or AT when trying to enable EVENT NAME |
| 565 | IORBS2 | ECB list overflow |
| 566 | IORBS2 | Invalid SOLSIG return code |
| 567 | IORBS2 | DDSCAN error |
| 568 | IORBS2 | BCP error |
| 569 | IORBS2 | WTOR error |
| 570 | IORBS2 | CHKIO error |
| 571 | IORBS2 | Invalid ECB type |

| Code | Module | Explanation |
|-------------|---------------|---|
| 572 | ADAIOS | Invalid wait event checksum (BS2000) |
| 573 | ADAIOS | Fatal error attempting to establish operator command interface (BS2000) |
| 575 | USRCMS | ADARUN nucleus extension not found |
| 576 | USRCMS | Insufficient storage for data area |
| 577 | LNKCX | User exit before-call increased length of USER INFO |
| 578 | IORVSE | CHKIO error |
| 579 | LNKCX | Error in link initialization routine |
| 580 | LNKCX | Length of USER INFO LT 0 |
| 581 | LNKCX | Incorrect router version |
| 582 | LNKCX | Invalid UB |
| 583 | IOROS | QEDIT (CIBCTR) error |
| 584 | LNKCX | Unsupported function |
| 585 | SVCMVS | PRB cannot be found (MVS/ESA) |
| 586 | MGACX | ADAMAI error |
| 587 | MGABTO | LOAD error |
| 588 | MGABTO | ADAMAI error |
| 589 | MGACX | LOAD error |
| 590 | IORCMS | Maximum blocks/track > minimum, I/O error |
| 591 | IORVSE | EVENTS error |
| 592 | IORVSE | GETDVS error |
| 593 | IORVSE | IVST error |
| 594 | USRBTO | Invalid RMODE |
| 595 | IORVSE | EXTRACT error |
| 596 | IORVSE | GETLBL error |
| 597 | IORVSE | TOPMSG error |
| 598 | IOROS | ADECB error |
| 599 | IORVSE | ADECB error |
| 600 | IORVSE | DLECB error |
| 601 | IORVSE | SUBSID error, invalid version, or ADAIOI could not be loaded |
| 602 | IORVSE | CKTDC error |

| Code | Module | Explanation |
|------|--------|--|
| 603 | IORVSE | Global sequential BLOCKSIZE too big, or invalid number (ECBS) |
| 604 | IORVSE | GETTVS error |
| 605 | IORVSE | Invalid printer device |
| 606 | LNKBS2 | Unsupported function |
| 607 | LNKBS2 | Invalid UB |
| 608 | LNKBS2 | Length of USER INFO (less than) 0 |
| 609 | LNKBS2 | Incorrect router version |
| 610 | LNKBS2 | User exit before-call increased length of USER INFO |
| 611 | LNKBS2 | WAIT error |
| 612 | RERBS2 | No IDT (identification table) |
| 613 | RERBS2 | Invalid function |
| 614 | SVCVSE | Invalid function via caller |
| 615 | SVCVSE | No IDT (identification table) |
| 616 | SVCVSE | Invalid 00-call parameters |
| 617 | SVCVSE | Invalid 40-caller |
| 618 | SVCVSE | Caller not correct target |
| 619 | IORMVS | Error attempting to open a VSAM file. See the ADAI68 message description for OS/390 and MVS/ESA in chapter 1. |
| 620 | IORIND | IOR fatal error |
| 621 | IORIND | PLOG size alteration error The PLOG size (DUALPLS or PLOGSIZE) was changed with the last startup, and PLOG data is still in the PLOG. Run ADARES PLCOPY to save the data, then restart the nucleus. |
| 622 | LNKxx | Invalid SAVE area in UB (UEXITB) SAVE area (USERSAV) in the Adabas link routine was less than 72 bytes and user exit A/B was invoked. |
| 628 | ADAIOS | GETMAIN error |
| 629 | IORVSE | ADAOPTD could not be found, or could not be loaded into storage. |
| 630 | IORVSE | Unable to load ADAOPTD. |
| 631 | IORVSE | GETVIS failed for sequential file table. |
| 632 | IORVSE | No more slots in sequential file table. |

| Code | Module | Explanation |
|------|---------|--|
| 633 | IORVSE | Internal error file name not found. |
| 634 | IORVSE | Return code from LABEL macro greater than 4. |
| 636 | LNCSTUB | No TWA is available for the task, or the length of the TWA is less than 24 bytes. Check the execution of the task with CEDF to determine if the ADDRESS TWA or ASSIGN TWALENG commands are providing a valid TWA address and length. |
| 637 | LNCSTUB | A CICS request failed. Use CEDF to determine the failing request and the nature of the failure. Contact Software AG technical support if necessary. |
| 639 | LNKOLSC | A CICS request failed. Use CEDF to determine the failing request and the nature of the failure. Contact Software AG technical support if necessary. |
| 640 | LNKBS2 | The router (ADARER) detected an Adalink at Adabas 5.2.6 level or higher that issued a call to an Adabas nucleus at Adabas 5.2.5 level or lower while the address of the UB was XS. The Adalink module should be bound below the 16-megabyte limit. |
| 640 | ADALNK | No memory available for LNK anchor block (BS2000) |
| 641 | LNKBS2 | The SM6 Adalink detected a router at 5.2.5 level or lower. The ID Table must be initialized with an Adabas nucleus at level 5.2.6 or higher. |
| 642 | LNKBS2 | The Adalink cannot read the parameter file; the file may be empty, or it may be an ISAM file. Use a SAM/V dataset that was created by EDT. |
| 643 | LNKBS2 | The Adalink detected a syntax error in its parameters. Correct the syntax and rerun. |
| 645 | ADALNC | The CICS macro level interface is not supported for CICS/ESA 3.2 and above. |
| 646 | ADAIOR | (BS2000) Cannot read the SYSDTA dataset; see the message ADAI56 description. |
| 650 | SVCMVS | SVC does not match the IDT (identification table). |
| 654 | ADALNK | ADALNK: unsupported operating system version, unsupported HSI. Adabas version 6.1 and above requires BS2000 version 10 and above and XS31 hardware. |
| 655 | ADALNK | Incompatible versions of ADALNK and ADAL2P. Check library assignments; check TSOSLNK/BINDER protocols. See message ADAK09. |

| Code | Module | Explanation |
|-------------|---------------|--|
| 658 | ADALNK | LNKUES module not available to ADALNK. |
| 660 | ATMRMISY | CICS instructed ATM to perform a single-phase commit, but the outcome of the attempted commit could not be determined. Check the status of the transaction using Adabas Transaction Manager's Online Services. |



APPENDIX A—ABBREVIATIONS

| | |
|--------------|--------------------------|
| AB | attached buffers |
| AC | address converter |
| ADACB | Adabas control block |
| ASSO | Associator |
| BP | buffer pool |
| CID | command ID |
| CLOG | command log |
| CQ | command queue |
| CQE | command queue element |
| DATA | Data Storage |
| DBID | database ID |
| DIB | data integrity block |
| DSST | Data Storage space table |
| DVT | descriptor value table |
| FB | format buffer |
| FCB | file control block |
| FDT | field definition table |
| FID | format ID |
| FNR | file number |
| FST | free space table |
| GCB | general control block |
| GFID | global format ID |
| HQ | hold queue |
| HQE | hold queue element |
| IB | ISN buffer |
| ISN | internal sequence number |



Adabas Messages and Codes

| | |
|-------------|---|
| MU | multiple-value field |
| NI | normal index |
| PE | periodic group |
| PLOG | protection log |
| PPT | parallel participant table (nucleus cluster environments) |
| RABN | relative Adabas block number |
| RB | record buffer |
| SB | search buffer |
| SIBA | sequential data protection dataset |
| TBI | table of ISNs |
| TBQ | |
| TBS | table of sequential ISNs |
| UI | upper index |
| UQ | user queue |
| UQE | user queue element |
| URL | universal resource locator |
| VB | value buffer |
| WORK | Work dataset |
| WP | work pool |

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