

Adabas for Linux, UNIX and Windows

Messages and Codes

Version 6.7.1

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This document applies to Adabas for Linux, UNIX and Windows Version 6.7.1 and all subsequent releases.

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

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Messages and Codes

This is the entry page to the various sets of messages that are used for informational purposes as well as for signalling error conditions.

The messages and codes in Adabas are divided into the following sets:

- [Nucleus response codes](#)
- [Utilities error messages](#)
- [AEO messages](#)

In addition, there are 2 appendices for the AEO messages:

- [Appendix A - AEO: Response codes that create a CMDLOG message](#)
- [Appendix B - AEO: Response codes from insufficient parameter size](#)

1 About this Documentation

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Document Conventions

Convention	Description
Bold	Identifies elements on a screen.
Monospace font	Identifies service names and locations in the format <i>folder.subfolder.service</i> , APIs, Java classes, methods, properties.
<i>Italic</i>	Identifies: Variables for which you must supply values specific to your own situation or environment. New terms the first time they occur in the text. References to other documentation sources.
Monospace font	Identifies: Text you must type in. Messages displayed by the system. Program code.
{ }	Indicates a set of choices from which you must choose one. Type only the information inside the curly braces. Do not type the { } symbols.
	Separates two mutually exclusive choices in a syntax line. Type one of these choices. Do not type the symbol.
[]	Indicates one or more options. Type only the information inside the square brackets. Do not type the [] symbols.
...	Indicates that you can type multiple options of the same type. Type only the information. Do not type the ellipsis (...).

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Software AG products provide functionality with respect to processing of personal data according to the EU General Data Protection Regulation (GDPR). Where applicable, appropriate steps are documented in the respective administration documentation.

2 Nucleus Response Codes

This document describes the response codes which can be output by the Adabas nucleus.

The following response codes are returned if errors occur while processing Adabas commands:

RESPONSE 0

Explanation Normal response.

RESPONSE 1

Explanation An ISN list could not be sorted as a result of an excessive number of resulting ISNs, or because during a non-descriptor search a value larger than the corresponding field length in the FDT was found, or because the ISN quantity returned does not correspond with the actual number of records found.

For an S9 command, this response indicates that there is no space available for additional temporary working space. For an S2 command, this response is only a warning and the S2 becomes an S1.

Action Provide sufficient disk space for temporary working space or adapt the FDT to the real field length.

RESPONSE 2

Explanation The required function has not been executed completely. For an OP command with command option 2 = E or for an RE command, the specified record buffer length was shorter than the length of the ET data read. The record buffer has been truncated.

For an A1//N1/N2 command, a descriptor value with the TR option is larger than 1144 bytes. In this case, only the first 1144 bytes are stored in the index. Search operations for truncated values may be inexact since only the first 1144 bytes are evaluated. The first 2 bytes of the Additions 2 field contain the number of descriptor values truncated, the 3rd and 4th bytes contain the field name of the descriptor value that is truncated.

For an S1/S2/S4/S9 command, the resulting ISN list may not represent the exact result: this is because the search values and the values in the database were truncated after 1144 bytes during the search operation of an S1/S2/S4 command and during the sort operation of an S2/S9 command.

Action For an OP or RE command, increase the record buffer length or ignore the warning.

For an S1/S2/S4/S9 command, either perform a post-selection using the complete field values, perform your own sort operation using the complete field values, or ignore the warning.

RESPONSE 3

Explanation An end-of-file or end-of-list condition was detected.

RESPONSE 9

Explanation This response is caused by one of the following:

- The last user transaction has been backed out by Adabas (ET logic users only) or an exclusive control user (non-ET user) or an access-only user exceeded the Non-Activity Time Limit;
- The user session was abnormally terminated by the operator and the user issued a command;
- The protection log area (= WORK container) was too small and an internal BT was executed.

The ADDITIONS 2 field in the control block contains additional information:

First two bytes	Third and fourth bytes	Explanation
0	TT	Transaction timeout
1	TN	Non-activity timeout
2	ST	STOP user
3	LP	WORK overflow
5	SE	Security
6	DL	Deadlock
8	OP	Open transaction
9	OR	Open required
10	RR	Replication recording failed One of the internal Adabas commands issued for replication recording got an unexpected response code, for example 77. This response code is included in the control block in the field ACBXSUBR (only if you use

First two bytes	Third and fourth bytes	Explanation
		the ACBX interface) and displayed in an RPLIRSP message in the nucleus log.

The information in the first two bytes is represented as an integer, and the third and fourth bytes are alphanumeric.

Action

Check the appropriate reason. If the Adabas nucleus was started without the option OPEN_REQUIRED, and the reason for response 9 was a non-activity timeout or a STOP user, users who started their sessions with an OP command must re-issue their OP command under the following circumstances:

- if they set a User ID
- if they specified restricted file lists
- if they had user-specific timeout values
- if they were not ET users.

If too many transactions are backed out because of a WORK overflow, the size of the WORK container should be increased.

If transactions are backed out because of security errors, a security violation has occurred.

- Check and correct the Adabas Security password.
- Ensure that the contents of the security buffer are not modified.
- Ensure that the user credentials are not modified during an active session.

RESPONSE 16**Explanation**

An error occurred in an MC call during subcommand processing. The error code and additional information can be found in the control block of the subcommand. The first 2 bytes of the Additions 2 field contain the number of the subcommand in binary format. The third and fourth bytes of the Additions 2 field contain the offset of the subcommand's control block in the MC call's record buffer in binary format. All subcommands before the one that failed were executed.

Action

Correct the failed subcommand if necessary and re-issue the subcommands beginning with the one that had failed.

RESPONSE 17

Explanation Invalid file number. The value in the two rightmost bytes of the Additions 2 field indicates the reason (2 byte binary format):

- value=2: Unauthorized system file access;
- value=4: The file number was equal to 0 or greater than the maximum value allowed;
- value=5: The file was not loaded;
- value=6: File to be created already exists;
- value=8: An ET user with a restricted file list and ACC = file number attempted to issue a UPD command, or a user with a restricted file list attempted to touch a file that is not in the file list;
- value=14: A LOB file was accessed instead of the associated base file;
- value=16: The file was locked by ADAOPR;
- value=21: A 2-byte file number was used against a lower version database that does not support large file numbers;
- value=22: Invalid (corrupted) FCB.

RESPONSE 18

Explanation Invalid file number usage. The file number was modified between successive Lx and Sx calls.

Action Correct the file number.

RESPONSE 19

Explanation An attempt was made to update a file which is either already open for read access or can only be opened for read access.

Action none

RESPONSE 20

Explanation One of the following invalid values was used for a command ID value:

- Binary zeros;
- Blanks;
- The high order byte contains the hexadecimal value FF, but there is no automatic command ID generation;
- The three high order bytes contain the ASCII string `SYN`.

Action Correct the command ID.

RESPONSE 21**Explanation**

An invalid command ID was detected. The value in the first two bytes of the Additions 2 field indicates the reason (2 byte binary format):

- value=1: The command ID specified with the GET NEXT option of an L1/L4 command was not found, or the command ID was not found and an L3/L6 call was not an initial call;
- value=3: The command ID specified for an L3/L6 command was assigned to another Lx command, or the command ID specified for an L9 command was assigned to another Lx command;
- value=4: The format buffer with the command ID used by an Lx command was created by an L9 command and is incompatible;
- value=5: The format buffer with the command ID used by an L9 command was created by an Lx command and is incompatible.
- value=6: The command ID value specified for an S8 command was not found;
- value=8: The ISN list identified by the command ID value specified for an S8 command was not in ISN sequence.

Action

Correct the command ID.

RESPONSE 22**Explanation**

Invalid command code or command option. The value in the third and fourth bytes of the Additions 2 field indicates the reason (2 byte binary format); in the case of ACBX calls, the value is also stored in the ACBXERRC field.

- value=1: an invalid command code was detected;
- value=2: an update command was issued by an access-only user;
- value=3: an update command was issued for a read-only database session;
- value=4: a privileged command was issued without a previous OP command;
- value=5: the command was not valid for a non-privileged user;
- value=6: the command was rejected by user exit 1. In this case, the first 2 bytes of the Additions 2 field contain the response code of the user exit;
- value=15: an L1/L4 command with the multifetch option was not combined with the I or N option;
- value=19: an ET or BT with command option 'S' was issued without subtransactions being enabled for the current Adabas user session by specifying command option 'S' in the OP command;
- value=21: a BT command was issued by a non-ET logic user;
- value=22: the command is not allowed within an MC sequence;
- value=23: the last MC subcommand is not ET;
- value=24: an ET or CL command with user data is not allowed for read-only access to a database;

- value=33: the command option 'S' is not allowed for an S9 command with a non-blank Additions 4 field;
- value=34: the command was rejected by user exit 11;
- value=35: the command cannot be executed with the nucleus parameter NT=1;
- value=36: the descending option 'D' is not allowed for the command;
- value=37: a shared hold status request (command option 3 is set to 'C', 'Q', or 'S') is not allowed for a non-ET user.
- value=38: a shared hold status request for a sequential read command (command option 3 is set to 'Q') is not allowed for an L4 command without the 'N' option, nor is it allowed for an S4 command without a command ID (CID) or with an ISN buffer length other than 4 bytes;
- value=39: a shared hold status request for a sequential read command (command option 3 is set to 'Q') is not allowed for a command with a multifetch (command option 1 is set to 'M' or 'O');
- value=40: a keep-in-shared-hold-status request (with command option 3 set to 'H') is not allowed for an ET or BT command with multifetch (command option 1 is set to 'M');
- value=41: request to read the next portion of a LOB value (command option 2 is set to 'L') is not allowed for an L1/L4 command with multifetch (command option 1 is set to 'M' or 'O');
- value=42: for an A1 command with command option 2 = 'T', the current time is still the same as the value of the field with SY=TIME in the database.

Action

Correct the command code or the command option or the previous OP command.

In addition, the following subcodes may also be returned:

Subcode	Description
1005	The command code is invalid.
1006	The ACBX is invalid (not first buffer).
1007	The ABD is invalid.
1008	The ABD type is invalid.
1009	More than one search buffer specified.
1010	More than one value buffer specified.
1011	More than one ISN buffer specified.
1012	The number of search and value buffers do not match.
1013	The number of format and record buffers do not match.
1015	A streaming logic error occurred.

The user action for all subcodes is to correct the Adabas call accordingly and to rerun the program.

RESPONSE 23

Explanation Invalid starting ISN specified for an L2/L5 command sequence:

- ISN not assigned to a record in the file;
- ISN was larger than the MAXISN in effect for the file.

Action Correct the ISN.

RESPONSE 24

Explanation An ISN = 0 or >= the first free ISN was found in the ISN buffer. The Additions 2 field contains the value of the invalid ISN in 4 byte binary format.

Action Correct the ISN buffer.

RESPONSE 25

Explanation The ISN specified in ISN LOWER LIMIT for a subsequent S1/S4 or S2/S9 command was not found.

Action Correct the ISN lower limit.

RESPONSE 26

Explanation Invalid ISN buffer length for an S9 command. The number of ISNs to be sorted as given in ISN quantity was equal to 0.

RESPONSE 28

Explanation The first two bytes of the Additions 1 field contained an invalid descriptor for an L3/L6/L9 or S2/S9 command. The value in the first and second bytes of the Additions 2 field indicates the reason (2 byte binary format):

- value=1: the field was not a descriptor;
- value=2: the use of the descriptor is not supported, e.g. phonetic descriptor;
- value=3: the descriptor was changed between successive calls.
- value=4: there is a mismatch of the descriptor names in the Additions 1 field and the search buffer;
- value=5: an initial L3 or L6 call contains no trailing blanks in the Additions 1 field.

Action Correct the Additions 1 field.

RESPONSE 29

Explanation L3/L6 command; a value repositioning was attempted (bytes 3-8 of the Additions 1 field contain spaces) and the Command Option 2 field did not contain the value A, D or V.

Action Correct the Additions 1 or Command Option 2 field.

RESPONSE 40

Explanation A syntax error was detected in the format buffer:

- The terminating period was missing;
- The first position contains a period, this only applies to N1 or N2 commands;
- Length and/or format specified with a range definition;
- An invalid element was detected;
- A field segment notation was not correct: it must be specified either as '(byte-number,length)' or as '(byte-number,length,length-2)', where byte-number must be either '*' or a decimal number, and length and length-2 are decimal numbers. These numbers must be less than 2,147,483,648;
- A field segment notation was specified for a range of MU fields or for a range of fields within a periodic group.

The following information will be returned in the Additions 2 field of the control block:

- The first two bytes will contain the number of the byte (in binary format) relative to the beginning of the format buffer where the error was detected;
- The third and fourth bytes will contain the name of the field being processed when the error was detected.

Action Correct the format buffer.

RESPONSE 41

Explanation An error was detected in the format buffer:

- The field name specified is reserved for edit mask usage;
- An index was equal to 0;
- A length specified or taken from the FDT standard length is greater than the maximum length of the required format;
- nnnX was specified with nnn greater than 253;
- A literal with more than 253 characters was specified;
- Only for Adabas versions < 5.1: a subdescriptor or superdescriptor with MU or PE parent field, phonetic descriptor, hyperdescriptor or a collation descriptor was specified;

- A phonetic descriptor, hyperdescriptor or collation descriptor was specified;
- A field specified was not present in the file;
- A periodic group name appears without an index;
- A length and/or format was used with a group notation;
- A field in a periodic group was specified without an index;
- A range notation with a group name or a multiple-value field as the first or last element was specified;
- A reference was made to the count of a multiple-value field contained in a periodic group, and no index was included to indicate the periodic group occurrence for which the count was to be returned;
- A collation descriptor with the option HE was specified for an L9 command.
- A count specification was made for a field which was neither a multiple-value field nor was contained within a periodic group;
- A count for a non-multiple value field within a periodic group was specified;
- A length and/or format specification was used with a periodic group notation;
- A (regular or periodic) group containing a multiple-value field was specified;
- Invalid index usage;
- A descending index range was specified;
- A double index was used for a non-periodic field;
- A multiple-value field with an index specification and a multiple-value field without an index specification were used;
- A value cannot be converted to the required format (READ command) or converted to the FDT standard format (UPDATE command);
- The S element was applied to a field that does not have the NC option;
- A field with the NC option was used more than once together with its S element;
- The add option is not compatible with the format/length;
- The specification of a character set was invalid;
- A field was specified with an edit mask not allowed for the field;
- A field segment notation '(byte-number,length)' or '(byte-number,length,length-2)' was not correct: byte-number + length must be less than or equal to the maximum value length + 1, and length-2 must be equal to length. The maximum value for LB fields is 2,147,483,643, for LA fields 16381, and for other values 253 bytes;
- Segment notation is only allowed for values with the format 'A'.

The following information is returned in the Additions 2 field of the control block:

- The first two bytes will contain the number of the byte (in binary format) relative to the beginning of the format buffer where the error was detected;
- The third and fourth bytes will contain the name of the field being processed when the error was detected.

Action Correct the format buffer.

RESPONSE 43

Explanation L9 command; the descriptor specified in the format buffer did not agree with the descriptor specified in the search buffer.

Action Correct the format buffer or the search buffer.

RESPONSE 44

Explanation One of the following situations occurred:

Subcode	Meaning
1	<ul style="list-style-type: none"> ■ The format buffer is invalid for use with an UPDATE command (A1), ADD command (N1/N2): <ul style="list-style-type: none"> ■ Format buffer contains overlapping fields, e.g., GL1-3, GL2-4.; ■ Format buffer contains an 1-N element, e.g., GL1-N.; ■ There is not a 1:1 relation between an L element and the subsequent corresponding element with '*' length; ■ A READ command uses a format buffer from the format pool, which was previously used by update or add command, and which contains an invalid conversion.
12	L option specified but the format has no LOB section with *-position.
13	The format buffer for an A1 commands with command option 2='T' did not contain a last-update-timestamp system generated field.

Note: Subcodes associated with response 44 are stored in the first two bytes of the Additions 2 field (ACB) and in the error subcode field (ACBX).

Action Correct the format buffer or use a different command ID for Read/Update commands.

RESPONSE 45

Explanation Multiple field or periodic group overflowed when using the N suffix in the format buffer for update.

The following information is returned in the Additions 2 field of the control block:

- The first two bytes will contain the number of the byte (in binary format) relative to the beginning of the record where the error was detected;
- The third and fourth bytes will contain the name of the field being processed when the error was detected.

Action Because the multiple field or periodic group reached its absolute limit, the application must be re-designed.

RESPONSE 46**Explanation**

Mismatch of format buffer usage for the supplied command ID.

- A command ID of global ID format buffer has been found in the format pool and has a different file number to the file supplied by the caller;
- The file number was changed in subsequent Adabas calls with the same normal or global command ID.

Action

Check the usage of the command IDs.

RESPONSE 47**Explanation**

The maximum value for the NISNHQ parameter has been exceeded.

Action

Increase the value of the NISNHQ parameter by:

- modifying its value in the nucleus startup file, or
- using ADAOPR

RESPONSE 48**Explanation**

The requested database operation is not allowed. The value in the third and fourth bytes of the Additions 2 field indicates the reason (2 byte binary format):

- value=2: the requested usage of the specified file conflicts with the current usage of the file by another user or Adabas utility;
- value=8: The user ID provided in the OP command is already assigned to another user;
- value=11: a non-privileged user issued an OP command to a nucleus that is in "Utilities only" status;
- value=17: the data of a specified file is not accessible. This can happen if a utility aborts or an autorestart fails;
- value=18: the index of the specified file is not accessible. This can happen if a utility aborts or if the index has been disabled by ADAREC REGENERATE or an autorestart.

The corresponding file number is returned in the first two bytes of the Additions 2 field in binary format except for value 8 in the third and fourth byte. The value 0 means the whole database.

Action

The following user actions are possible:

- Wait for the other user or utility to finish, then retry;
- Make the file available for all users (if value 16 occurred in bytes 3 and 4);
- Restore or unlock the file (if value 17 occurred in bytes 3 and 4);
- Rebuild the file's index (if value 18 occurred in bytes 3 and 4);

- If the value in bytes 3 and 4 of the Additions 2 field is 8, and the nucleus was started with the OPEN_REQUIRED option, the user can re-issue the OP command immediately. This will cause the other user with the same user ID to be stopped, unless that user is currently active.
- If a utility receives a response 48 because non-utility users are still active, you can lock the file with ADAOPR LOCK. This ADAOPR command stops all non-utility users from accessing the file and allows only utility users to access the file until it is unlocked again.

RESPONSE 49

Explanation

The compressed record was too long for the Data Storage disk device. The first two bytes of the Additions 2 field contain the length of the compressed record in binary format.

Action

Add a new DATA extent with sufficient block size (block size \geq compressed record size + 8). Alternatively you can start the nucleus with OPTIONS=AUTO_EXPAND; then the Adabas nucleus automatically creates a new DATA extent with sufficient block size.

RESPONSE 50

Explanation

A syntax error in the record buffer was detected during processing of an OP command, or an invalid character set has been specified, or an invalid time zone has been specified. The first two bytes of the Additions 2 field contain the number of bytes (in binary format) relative to the beginning of the record buffer where the error was detected.

If a time zone problem occurs, the two right-most bytes of the Additions 2 field in the ACB will contain a subcode; in an ACBX, the Error Subcode field will contain the subcode:

Subcode	Meaning
31	The specified time zone was not found in the ADATZDIR directory. Verify that the time zone was specified correctly. If it was, contact your Software AG technical support representative for further assistance.
32	The time zone pool is full. Contact your Software AG technical support representative for further assistance.

Action

Correct the record buffer and try again.

RESPONSE 51**Explanation**

An error was detected in the record buffer while processing an OP command. One of the keywords EXU, UPD, ACC or WCHARSET is duplicated.

The following information is returned in the Additions 2 field of the control block:

- the first two bytes contain the number of bytes (in binary format) relative to the beginning of the record buffer where the error was detected;
- the third and fourth bytes contain the open mode that failed (ACC =1, UPD = 2, EXU = 4, WCHARSET = 128)

Action

Correct the record buffer.

RESPONSE 52**Explanation**

An error occurred while processing the record or value buffer:

- The value of a G format field was not in floating point format;
- The value of a P format field was not in packed decimal format;
- The value of a U format field was not in unpacked decimal format;
- A variable-length field was specified without a length parameter;
- The SQL null value indicator (S element) has a value of less than -1;
- A field with the NN option is forced to take the SQL null value;
- The resulting value exceeds 4 bytes (longword) if the format is F, or exceeds the maximum (format dependant) length;
- No record with the specified ADAM key was found.

The following information is returned in the Additions 2 field of the control block:

- The first two bytes contain the number of the byte (in binary format) relative to the beginning of the record/value buffer where the error was detected. This value is -1 if a field with the NN option is forced to take the SQL null value.;
- The third and fourth bytes contain the name of the field being processed when the error was detected.

Action

Correct the format/record/value buffer.

RESPONSE 53

Explanation The record buffer was too small, or the ISN buffer was too small for a requested multifetch command. The following information is returned in the Additions 2 field of the control block:

- The first two bytes contain the expected buffer size in binary format. This value is -1 if the command would have exceeded the maximum record size.
- The third and fourth bytes contain the name of the buffer that was too small. ("RB" or "IB"). If the error occurred while using a hyperexit, the name of the hyperexit is stored here.

Action Increase the record buffer size, or (for multifetch) the ISN buffer size.

RESPONSE 54

Explanation The record buffer was too long (C5 or ET command).

Action Reduce the record buffer size, the maximum is 2000 bytes.

RESPONSE 55

Explanation Format, length conversion or truncation error occurred while processing field values in the record buffer or value buffer.

- The value for an FI field is too long;
- The resulting value exceeds the border of the FI field;
- Truncation error of numeric field;
- Truncation of alphanumeric fields or truncation of numeric fields which are converted to alphanumeric, except when OPTIONS=TRUNCATION is enabled in ADANUC;
- A value defined without LA or L4 option with variable length is larger than 253 bytes. This may happen for Unicode fields after conversion to another encoding.
- The length specified for a Unicode field for a character set with fixed character length is not a multiple of the character length: in particular, the length for UTF-16 based character sets must be a multiple of 2, and the length for UTF-32 based character sets must be a multiple of 4;
- The specified value is not a valid date/time value;
- The field does not contain a valid date/time value. This can happen if the value was stored without a date/time edit mask;
- A date/time field with option TZ was specified in the format or search buffer, but there was no time zone specified in an OP command for the current Adabas user session;
- The attempted format conversion was not possible due to incompatible data formats or other compatibility problems.

The following information is returned in the first 2 bytes of the Addition 2 field, and in the case of an ACBX, also in the field ACBXERRC:

Subcode	Meaning
0	Conversion error.
1	Truncation error.
2	Internal structure error.
5	Internal error.
20	Unsupported DATETIME conversion.
21	Date/time value outside valid range. The valid range depends on the date-time edit masks being used in the format or search buffer and the FDT.
22	Date/time value specified in gap when switching from standard time to daylight saving time.
24	Month not between 1 and 12.
25	Day not between 1 and n, where n is the number of days of the month specified.
26	Hours not between 0 and 24.
27	Minutes not between 0 and 59.
28	Seconds not between 0 and 59.
30	Internal error: missing time zone element for conversion with time zone.
31	Invalid daylight saving offset given (fldD) for date/time and time zone.

The field name is returned in the third and fourth byte of the Additions 2 field, and in the case of an ACBX in the field ACBXERRB.

In addition, the following information is returned in the case of an ACBX call:

- The offset in the record or value buffer in ACBXERRA;
- The type of buffer in ACBXERRD ('R' for error in record buffer, 'V' for error in value buffer).

Action

Depending on the reason:

- Correct the format, record, search or value buffer;
- If a record structure error is indicated, run ADAVFY FIELD against the corresponding file. If this produces errors, then the file must be unloaded, decompressed, re-compressed and re-loaded;
- If the time zone specification in the OP command is missing, execute an appropriate OP command;
- Subcodes 2 and 5 should never occur; you should, therefore, contact your nearest support centre if you receive one of these subcodes. A copy of the command log and an export copy or backup of the files accessed will help us to analyze the problem.

RESPONSE 56

Explanation The descriptor value is too large. Descriptor values are limited to 1144 bytes

Action Store a shorter value, or specify the TR option for the descriptor, which truncates larger descriptor values before they are stored in the index. Note that with the TR option, search results may be inaccurate: this is because values that are identical in the first 1144 bytes are considered to be equal to each other.

RESPONSE 57

Explanation L9 command; the descriptor specified in the search buffer was invalid:

- The field name specified is not the name of a descriptor;
- The descriptor specified is a phonetic descriptor;
- The descriptor specified is a collation descriptor with the option HE.

Action Correct the search buffer.

RESPONSE 60

Explanation A syntax error was detected in the search buffer.

The following information will be returned in the Additions 2 field of the control block:

- The first two bytes will contain the number of the byte (in binary format) relative to the beginning of the search buffer where the error was detected;
- The third and fourth bytes will contain the name of the field being processed when the error was detected.

Action Correct the search buffer.

RESPONSE 61

Explanation An error was detected in the search buffer or value buffer, or during an S8 command:

- Invalid command option 2 specified for ISN LIST processing (S8 command);
- Invalid element or element order;
- The specified field was neither a descriptor, subdescriptor, superdescriptor nor a phonetic descriptor;
- Invalid connection of partial criteria and/or different indices used for a descriptor contained within a periodic group;
- Invalid use of a phonetic descriptor;
- Invalid periodic group index;
- Invalid index usage;

- The length of a descriptor value was greater than 253 or greater than the permitted length for the required format;
- Invalid format type;
- Invalid file number specification;
- Invalid usage of the S operator - FROM value greater than TO value;
- Invalid usage of the N operator - BUT NOT value was outside the range of the preceding FROM-TO range;
- Invalid comparator;
- The value in the value buffer cannot be converted into the field's FDT format;
- The specified file name is not an ADAM key while using the V option with an A1 or E1 command;
- Invalid value given in the value buffer while using the V option with the A1 or E1 command;
- Invalid usage of the C option - only allowed for collation descriptors;
- A field was specified with an edit mask that is not allowed for the field.

The following information is returned in the Additions 2 field of the control block (not for the S8 command):

- The first two bytes will contain the number of the byte (in binary format) relative to the beginning of the search buffer where the error was detected;
- If the third byte is zero, the fourth byte contains more information about the error:
 - Fourth byte 1: invalid length.

Otherwise the third and fourth bytes will contain the name of the field being processed when the error was detected.

Action Correct the search/value buffer.

RESPONSE 62

Explanation The length of the search and/or value buffers as specified in the search and value buffer length fields, respectively, was not of sufficient length to accommodate the search criteria specified.

Action Correct the search/value buffer.

RESPONSE 63

Explanation An invalid command ID was used in the search buffer. The value in the first two bytes of the Additions 2 field indicates the reason (2 byte binary format):

- value=1: The command ID value specified in the search buffer was not found;
- value=2: The associated ISN list is not sorted in ISN sequence (it has been generated by an S2/S9 command);
- value=3: The command ID was not used in the previous FIND in which the SAVE ISN LIST option was used.

Action Check the command ID in the search buffer.

RESPONSE 72

Explanation An overflow occurred in the user queue.

Action The DBA may increase the value of the NU parameter.

RESPONSE 73

Explanation There is no space available in the temporary working space in which resulting ISN lists are stored. Please note that for read-only databases, temporary working space is only created if a location for it is explicitly specified (environment variable `TEMPLOCn` or entries for `TEMPORARY_LOCATION` in the file `DBmmm.INI`), otherwise only some of the space in the Adabas buffer pool is used for storing the ISN lists.

Action Provide enough temporary working space. For read-only databases, specify the location for the temporary working space explicitly or increase the size of the Adabas buffer pool (ADANUC parameter LBP).

RESPONSE 74

Explanation No space was available on the WORK data set for complex FIND commands.

Action Increase the size of the WORK data set.

RESPONSE 75

Explanation An additional Associator or Data Storage extent was required for a file and the maximum number of extents in the FCB had already been allocated. The last extent is allocated only for a command which is being backed out and for AUTORESTART and ADAREC REGENERATE. The first two bytes of the Additions 2 field contain the highest possible extent number (in binary format). The third and fourth bytes indicate where the overflow occurred. Possible values are: "DS" (Data Storage), "AC" (Address Converter), "NI" (Normal Index) and "UI" (Upper Index).

Action Unload the file and reload it with appropriate initial allocations.

RESPONSE 76

Explanation An overflow occurred in an inverted list index.
Action Unload/reload the file with an appropriate padding factor for the Associator.

RESPONSE 77

Explanation Sufficient space was not available for a required Associator or Data Storage extent. In this case, the third and fourth bytes of the Additions 2 field contain either "AS" (Associator) or "DS" (Data Storage). You can also get the response 77 if you specified an explicit RABN for an Associator or Data Storage extent, and the requested space is not available at the requested RABN.

Please note that Adabas distinguishes between small (< 16KB) and large (>= 16KB) index blocks. This means that a response 77 can be returned even though there are enough free Associator blocks, but the free Associator blocks have the wrong size.
Action Add a new ASSO/DATA extent to the database with ADADBM, or specify a RABN where the requested space is available.

Note: Response 77 can sometimes be prevented by enabling database auto expand to execute in the online mode (specify the nucleus parameter OPTIONS=AUTO_EXPAND).

RESPONSE 78

Explanation An overflow occurred in the free space table (FST) as a result of ASSO/DATA fragmentation, or the maximum number of DSST extents has already been allocated.
Action If it is an FST problem, reorder the database. If it is a DSST problem, which can only occur in the context of a utility, refer to the message DSSTALL for further information.

RESPONSE 79

Explanation Hyperexit could not be loaded by the nucleus.

The following information is returned in the Additions 2 field of the control block:

- The first two bytes contain the number of the hyperexit;
- The third and fourth bytes contain the name of the hyperdescriptor.

Action Create or recompile the hyperexit and restart the nucleus.

RESPONSE 83

Explanation A hyperexit routine returned an invalid ISN.

The following information will be returned in the Additions 2 field of the control block:

- The first two bytes contain the offset the invalid ISN in the specified ISN buffer in binary format;
- The third and fourth bytes contain the name of the hyperdescriptor.

Action Correct the hyperexit routine and restart the nucleus.

RESPONSE 85

Explanation An error occurred on an update command: either the required space for the descriptor value table could not be allocated or a descriptor with L4/LA option set exceeds 1144 bytes in length.

Action Reduce the resulting length of a descriptor with L4/LA option set or make use of the TR option.

If that does not apply contact your nearest support centre.

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.

The following information is returned in the Additions 2 field of the control block:

- The first two bytes contain a value. This value can be:
 - 1 the hyperdescriptor pool exceeds the nucleus buffer pool
 - 2 the hyperexit has returned an invalid pointer, length or count value
 - 3 an element in the user-defined format buffer is not a parent field of the hyperdescriptor
 - 4 - 255 Adabas response code
 - >255 user-defined error return for hyperexit routine
- The third and fourth bytes contain the name of the hyperdescriptor or the name of the parent field.

RESPONSE 87

Explanation An error occurred when creating a collation descriptor key value. This can have the following reasons:

- The value, for which you try to create the collation descriptor key value, is invalid.
- You have created a collation descriptor with a different Adabas version using an ICU version that is not supported by the current Adabas version.

For example, collation descriptors in Adabas version 6.5 are created using ICU version 5.4. If you convert the database back to Adabas version 6.4, and you perform an Adabas command where a value for such a collation descriptor is created, you get response 87, because Adabas version 6.4 supports only ICU version 3.2, but not ICU version 5.4.

Action

- Specify valid values for the creation of the collation descriptor key.
- To avoid errors caused by an ICU version not supported by the current Adabas version, the collation descriptors created with this ICU version must be reinverted after changing the Adabas version.

Note: On mainframe databases, response 87 has a different meaning.

RESPONSE 88

Explanation Sufficient work pool space was not available, or the sort work space was too small although only one user was active.

Action Parameter values relating to working storage allocation should be verified. Ask the DBA to increase the value of the LWP or LS parameter.

RESPONSE 98

Explanation Uniqueness violation of unique descriptor detected during store/update if subtransactions are not activated, or otherwise at end of subtransaction. The third and fourth bytes of the Additions 2 field contain the name of the descriptor which caused the uniqueness conflict.

Action Check the descriptor values.

RESPONSE 99

Explanation An I/O error occurred. The first 2 bytes of the Additions 2 field (in binary format) contain the extent number. The third and fourth bytes contain the container type ("AS" for ASSO, or "DS" for DATA or "WO" for WORK).

Action Check whether any disk devices have gone offline or check the error log for hardware errors.

RESPONSE 113

- Explanation** The specified ISN was invalid:
- HI command was issued with ISN equal to 0;
 - N2 command was issued with ISN equal to 0 or larger than the MAXISN in effect for the file;
 - N2 command was issued and the specified ISN was assigned to another record in the file;
 - L1/L4, E1, A1 or S1/S2/S4 (with FB) command was issued for a non-existent ISN;
 - L3/L6 command found an ISN in the index which did not exist in the Address Converter;
 - RI command was issued for a record that has been updated in the current transaction.
- Action** Correct the ISN.

RESPONSE 114

- Explanation** A refresh file function using the E1 command was issued (E1 with ISN=0), and one of the following situations has occurred:
- PGM_REFRESH is not specified for the file.
 - The user session is not at ET status.
- Action** If you forgot to specify the ISN for the E1 command, or the command was not issued at ET status, correct your program. If PGM_REFRESH was not specified for the file in question, specify PGM_REFRESH for the file with ADADBM.

RESPONSE 132

- Explanation** Because of concurrent updates, the LOB data processing may fail. If a reattempt to process the LOB data also fails, response 132 is returned.
- Action** If the subcode (field ACBXERRC in the ACBX) is not one of the subcodes mentioned below, and if the response code 132 is reproducible even though the accessed LOB fields are not being updated, contact your nearest support centre.
- If one of the following subcodes occurs, you must change the program that is making the Adabas calls: If this response is returned with subcode 297, the following applies - a planned feature for large object (LB) fields (for example, character code conversion of LB field values) is not yet supported.
- 297**
A planned feature for large object (LB) fields (for example, character code conversion of LB field values) is not yet supported.

300

The referential integrity and uniqueness checks done by subtransactions are currently not compatible with commands that modify LOB values.

RESPONSE 144**Explanation**

One of the following situations has occurred:

- The ISN specified with an A1 command was not in hold status for the user.
- An ISN in the ISN buffer for a multifetch ET was not in hold status. In this case, the first 2 bytes of the Additions 2 field (in binary format) contain the offset of that ISN in the ISN buffer.

Action

Put the ISN in 'hold' before using the A1 command or the multifetch ET command.

RESPONSE 145**Explanation**

One of the following situations has occurred:

- An attempt was made to insert a record using an N2 command with an ISN that is in hold status.
- An attempt was made to hold an ISN which was in hold status for another user and the R option is specified. In this case, the Additions 2 field contains the binary value 0;
- Hold queue overflow. In this case, the Additions 2 field contains a value not equal to 0.

Note: This hold queue overflow error can only occur with Adabas versions < 5.1.

RESPONSE 146**Explanation**

An invalid buffer length was detected by the Adabas interface routine, in an MC call, or one of the following errors occurred for a multifetch command:

- the buffer header was invalid (both offsets are set)
- at least one ISN buffer offset was not divisible by 4
- the start offset was outside the multical call buffer range
- the record buffer was not large enough to contain all subcommand control blocks.

The value in the Additions 2 field identifies the buffer: the first 2 bytes contain the buffer number in binary format, the last two bytes contain the buffer name, as shown in the following table:

Bytes 1-2	Bytes 3-4
1	FB (format buffer)
2	RB (record buffer)
3	SB (search buffer)
4	VB (value buffer)
5	IB (ISN buffer)

Action Correct the buffer length.

RESPONSE 147

Explanation User buffer not accessible by the Adabas interface routine.

Action Check whether the control block, format buffer, value buffer, record buffer and ISN buffer have valid addresses and lengths. Check whether the control block, ISN buffer and record buffer are write-protected.

RESPONSE 148

Explanation The Adabas nucleus was not active, or the call could not be sent to the Adabas nucleus, when the command was issued.

The value in the third and fourth bytes of the Additions 2 field indicates the reason (2 byte binary format); in the case of ACBX calls, the value is also stored in the ACBXERRC field.

- value=0: no active database server was found, either local or remote.
- value=3: the nucleus is performing shutdown processing and will not accept new users or new transactions.
- value=21: NET-WORK ACCESS communication has failed. The first two bytes of the Additions 2 field contain an error number.
- value=22: there is a problem with the Adabas IPC driver. The first two bytes of the Additions 2 field contain an error number.
- value=23: there was a problem attaching the Adabas IPC driver's shared memory (ADABAS V3.1 only).
- value=24: the ADALNK shared library cannot be loaded correctly.
- value=26: IPC problem during open processing, e.g. the shared memory could not be attached.
- value=27: IPC problem during read in message queue.
- value=28: IPC problem during write in message queue.
- value=29: IPC resources exist, but the database server was not active (UNIX platforms only).
- value=1038: the database is defined in the *dbmapping.txt* file but cannot be reached via TCP/IP (ADATCP).

- value=1039: ADATCP connect rejected due to maximum number of allowed connections already received.
- value=1040: ADATCP SSL configuration mismatch.

Action

The action depends on the value returned in bytes 3 and 4 of the Additions 2 field:

- value 0: start the nucleus and reissue the command.
- value 3: wait for the nucleus to shut down, restart it and re-issue the command.
- value 21: see the ENTIRE NET-WORK manual for further information.
- value 22, 23: shut down the nucleus if it is still active and restart it. If the error still occurs, try the command "showipc -kd <dbid>", then restart the nucleus and re-issue the command.
- value 24: check the location and permissions of the ADALNK shared library.
- value 26, 27, 28: one reason for this message may be that somebody has deleted an IPC resource: in this case, shut down the nucleus if it is still active and restart it. If the error still occurs, try the command "showipc -kd <dbid>", then restart the nucleus and re-issue the command. Another reason may be that the IPC resources are not sufficient: in this case, increase the IPC resources, or decrease the values of some nucleus parameters on which the required amount of IPC resources depends, or stop some other process that also consumes IPC resources (please refer to the section *Increasing System V IPC Resources* in the *Installation* document for further information about IPC resources).
- value 29: execute the command "showipc -kd <dbid>", then restart the nucleus and re-issue the command.
- value 1038: make sure that the database is ADATCP-enabled and active, and check the client configuration for correctness (host & port number), or remove the database entry from the *dbmapping.txt* file.
- value 1039: increase the number of allowed connections; see the Adabas nucleus parameters TCPCONNECTIONS and TCPRECEIVER.
- value 1040: check the configuration in the mapping file. SSL connect ('adatcps') should use the server SSL port number, and TCP connect ('adatcp') the corresponding TCP port number.

Note: For additional subcodes, refer to the Entire Net-Work documentation.

RESPONSE 149**Explanation**

A communication error was detected.

The value in the third and fourth bytes of the Additions 2 field indicates the reason (2 byte binary format); in the case of ACBX calls, the value is also stored in the ACBXERRC field.

- value=1038: DBID mismatch between database defined in the *dbmapping.txt* file and the connected database.

- value=1039: ADATCP connect rejected due to maximum number of allowed connections already received.
- value=1040: ADATCP SSL configuration mismatch.

Action

The action depends on the value returned in bytes 3 and 4 of the Additions 2 field:

- value 1038: correct the database entry in the client configuration file.
- value 1039: increase the number of allowed connections - see Adabas nucleus parameter TCPCONNECTIONS and TCPRECEIVER.
- value 1040: check the configuration in the mapping file. SSL connect ('adatcps') should use the server SSL port number, and TCP connect ('adatcp') the corresponding TCP port number.

Note: For additional subcodes, refer to the Entire Net-Work documentation.

RESPONSE 150

Explanation

Too many database nuclei have been used in parallel. The Additions 2 field contains the maximum number of nuclei allowed in parallel.

Action

Do not use more database IDs in a single program than the value given in the Additions 2 field.

RESPONSE 151

Explanation

A command queue overflow occurred.

Action

The DBA may increase the value of the NC parameter and/or the command may be issued when there is a lower level of command activity.

RESPONSE 152

Explanation

The internal user buffer was not large enough to contain the user buffer areas.

Action

Contact your nearest support centre.

RESPONSE 153

Explanation

A second 'CALL Adabas' has been issued while the first one is still being processed.

Action

Issue only one call at a time.

RESPONSE 154

Explanation The Adabas call has been cancelled by the user.

Action No action required

RESPONSE 162

Explanation No additional space was available for the Adabas buffer pool.

Action Increase the value of the LBP parameter. Because the buffer pool overflow is normally caused by too many blocks in the buffer pool waiting to be written to disk, specifying a low value for the WRITE_LIMIT parameter is recommended.

RESPONSE 165

Explanation A descriptor name was either invalid or did not exist in the descriptor value table. This error may occur during ADAREC regenerate

- if a file was loaded with an incorrect (wrong) FDT;
- if ADAINV was not re-executed following a stop at a SYNTP checkpoint.

Bytes 3 and 4 of the Additions 2 field contains the name of the descriptor that caused the error.

Action If the error is not a handling error, run the INDEX option of ADAVFY and contact your nearest support centre.

RESPONSE 166

Explanation An error was detected in an inverted list index; a descriptor value was not found during a delete operation.

Bytes 3 and 4 of the Additions 2 field contains the name of the descriptor that caused the error.

Action

- Locate the descriptor that caused the error in the Additions 2 field of the user control block;
- Run the VERIFY option of ADAINV for this descriptor and save the output;
- Reinvert the descriptor;
- If necessary, restart the database (if this is possible);
- Send the following information to your nearest support centre:
 - The output of the VERIFY option of ADAINV;
 - All available PLOGs;
 - The FDT of the file containing the error;
 - If the nucleus crashed, the crash directory.

RESPONSE 167

Explanation An error was detected in an inverted list index; a descriptor value was already present during an insert operation.

Bytes 3 and 4 of the Additions 2 field contains the name of the descriptor that caused the error.

Action Do the following steps:

- Locate the descriptor that caused the error in the Additions 2 field of the user control block;
- Run the VERIFY option of ADAINV for this descriptor and save the output;
- Reinvert the descriptor;
- If necessary, restart the database (if this is possible);
- Send the following information to your nearest support centre:
 - The output of the VERIFY option of ADAINV;
 - All available PLOGs;
 - The FDT of the file containing the error;
 - If the nucleus crashed, the crash directory.

RESPONSE 170

Explanation The Adabas RABN required for the command could not be located. The Additions 2 field contains the invalid RABN in 4 byte binary format.

Action Run the LOST, INDEX and DATA options of ADAVFY for the file in question and contact your nearest support centre.

RESPONSE 172

Explanation The maximum possible ISN of the file was reached and no more can be allocated.

Action If the file contains significantly less than 2^{32} records, you should unload the file with ADAULD and reload it with ADAMUP without USERISN, however, you must be aware that problems may arise if the ISNs have semantics for you - if, for example, you use the ISNs to reference records in this file, additional reorganization of these references will be necessary.

The alternative to unloading/reloading the data is to split up your data into more than one file, and to adapt your application accordingly.

RESPONSE 173

Explanation An invalid Data Storage RABN was detected. The Additions 2 field contains the invalid RABN in 4 byte binary format.

Action Run the DATA option of ADAVFY for the file in question and contact your nearest support centre.

RESPONSE 176

Explanation An inconsistency was detected in an inverted list. The Additions 2 field contains the inconsistent RABN in 4 byte binary format.

Action Check if an autorestart or an ADAREC REGENERATE have disabled the index. If not, run the INDEX option of ADAVFY for the file in question. If the INDEX option signalled errors, you should recreate the entire inverted list with ADAINV REINVERT ALL or contact your nearest support centre.

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.

Action Run the AC option of ADAVFY for the file in question and contact your nearest support centre.

RESPONSE 182

Explanation Necessary ET data was not found in the appropriate WORK block.

Action Save WORK1 and send it to your nearest support centre together with a description of what caused the pending autorestart and, if possible, the dump directory and the PLOG. Then restore and regenerate the database.

RESPONSE 196

Explanation Referential integrity has been violated.

Bytes 3 and 4 of the Additions 2 field contain the name of the violated constraint.

Bytes 1 and 2 of the Additions 2 field contain the reason as a two-byte binary number:

Value	Meaning
1	Required ISN in hold by another user
3	Maximum number of ISNs held by one user is reached
5	Check integrity mismatch, required value not found during check
7	Double update to a record within a cascade detected
8	Limit of stacked commands reached

Action Handle the referential integrity violation, for example, write an error message.

RESPONSE 200

Explanation Security violation detected, the two right-most bytes of the Additions 2 field will contain a subcode; in case of an ACBX call also the Error Subcode field will contain the sub-code:

Value	Meaning
0	Security violation detected.
31	Authentication check in external security system failed.
175	Authorization for Direct Call Interface check failed.

Action

Value	Meaning
0	Supply the correct password. Check the permission level associated with this password against the file's access or update protection level. Check the password for Security by Value criteria for the current file.
31	Supply valid credentials for authentication.
175	Contact your database security administrator.

RESPONSE 201

Explanation The password specified was not found.

Action Supply the correct password.

RESPONSE 202

Explanation An attempt was made to use a file for which the user is not authorized.

Action Supply the correct password.

RESPONSE 204

Explanation The password supplied is already in use.

Action A password name cannot be changed to an existing one.

RESPONSE 210

Explanation A receive buffer was lost in NETRDI.

Action The DBA may increase the value of the NAB or NC parameters in the NETRDI in the target node.

RESPONSE 211

Explanation A remote utility cannot be executed because `OPTIONS = LOCAL_UTILITIES` is set for the database.

Action Contact the DBA of the remote database.

RESPONSE 212

Explanation Function not implemented in the target architecture.

Action Execute the utility on the target node.

RESPONSE 215

Explanation The Adabas interface (adalnkx, adalnkc, adalnkcnc) used by the application program, or the Entire Net-Work version used is not supported by the Adabas nucleus. For example, the Adabas nucleus Version 6.1 does not support the Adabas interface of Version 5.1. If a 32-bit version and a 64-bit version of Adabas exists for an operating system, the 64-bit nucleus does not support the Adabas interface of the 32-bit version - 32-bit applications must use the 32-bit mode Adabas interface of the 64-bit version.

Note: The compatible Entire Net-Work versions for an Adabas version are documented in the Release Notes.

Action If you are using an incompatible version of Entire Net-Work, upgrade it to a compatible version. Check the definition of the environment variable `PATH` (Windows) or `LD_LIBRARY_PATH` (UNIX). If the application has been linked with the s-bit on UNIX, it is necessary that the correct Adabas interface has been installed with `$SAG = /opt/softwareag`.

RESPONSE 224

Explanation An Adabas command has been timed out by NET-WORK.

Action Check the node/remote database, or contact your database administrator.

RESPONSE 230

Explanation The protocol defined by the X/Open XA specification is violated. This happens, for example, if a user tries to issue an ET call for an XA transaction.

Action Follow the XA specification.

RESPONSE 241

Explanation The system cannot load the specified user exit shared library or dynamic load library, or the specified function does not exist in this shared library or dynamic load library. If the function does not exist in the shared library or dynamic load library, bytes 1 and 2 of the Additions 2 field contain the system's error number in binary format, otherwise these two bytes contain 0. Bytes 3 and 4 of the Additions 2 field contains the number of the ADALNK user exit which failed in binary format.

Action Make sure that you use the correct environment variable for the user exit.

RESPONSE 242

Explanation A double allocation has been detected between two or more files or a file and the free space table.

Action Run ADAVFY without any options to find out which parts of which files are affected. Contact your nearest support centre with the output from ADAVFY.

RESPONSE 243

Explanation An invalid FCB extent has been detected for a file.

Action Contact your nearest support centre.

RESPONSE 245

Explanation Pending utility entries in UCB.

Action Delete the entries with RESET = UCB before executing RECOVER, but ensure that the utilities which own the UCB entries are no longer running.

RESPONSE 246

Explanation Utility communication block (UCB) overflow.

Action Execute the RESET function of ADADBAM to remove unused entries from the utility communication block if the utilities that own them are no longer running.

RESPONSE 247

Explanation Correct ID not found in the utility communication block.

Action The utility cannot be restarted. Delete the utility communication block entry and rerun the utility.

RESPONSE 250**Explanation** Function not yet implemented.**Action** Wait for a later version of Adabas.**RESPONSE 251****Explanation** Invalid utility call - versions conflict.**Action** Check whether utilities and database nuclei are of the same version. Contact your nearest support centre.**RESPONSE 252****Explanation** Invalid subroutine call - coding error. This response may also be returned on setting the NET-WORK timeout via Adaset Timeout if NET-WORK is not correctly installed.**Action** Contact your nearest support centre.**RESPONSE 253****Explanation** System file not loaded or inconsistent.**Action** Check the system files by running ADAVFY.**RESPONSE 255****Explanation** The Adabas command could not be processed because not enough Adabas nucleus or operating system resources are available. The value in the first two bytes of the Additions 2 field indicates the reason (2 bytes binary format).**Action****Value = 1**

No space available for the attached buffers. Increase the LAB (length of attached buffers) parameter.

Value = 2

No space available in the client ID table. Increase the NCL (number of client threads) parameter.

Value = 3Message queue generation failed. Increase the corresponding operating system parameters (please refer to the *Installation Manual* for further information).**Value = 4 - 6**

Internal error: unexpected response code from system function. Contact your nearest support centre.

Value = 7 (only with ADALNKX)

The ADAMPLNK executable could not be loaded. Make this module available.

Value = 8

No space available for extended attached buffers. Increase the value of the LABX (length of extended attached buffers) parameter.

3 Utilities Error Messages

This document lists the error messages and warnings of the Adabas utilities. The messages have the general format:

%<utility name>-<severity>-<message ID>, text

The following severities can occur:

Severity Code	Explanation
I	Information only. These messages are not documented here.
W	Warning: The user should pay attention to the fact reported by this message. Normally, the requested function is executed without error.
E	Error. The requested function is not or not completely executed.
F	Fatal error. The utility cannot continue processing.

The messages in this chapter are sorted by message ID and are accompanied by explanations and suggested actions to recover these errors.

- 1NCE** **1-N element must be preceded by valid C element**
- Explanation** The 1-N element requires a valid C element. The C element defines the number of values to be processed by the 1-N element. Note that the C element must precede the 1-N element in the same line.
- Action** Define a C element before the 1-N element in the same line.

2MANYPARM	Too many parameters entered
Explanation	Too many parameters entered for the specified function.
Action	Correct the input line.
A2ALIC	Adabas - Adabas replication not allowed by licensing
Explanation	Adabas - Adabas replication is only possible if it is permitted by your Adabas license file.
Action	Upgrade your license.
A2AREX	Adabas - Adabas replication requires a replication exit
Explanation	Adabas-to-Adabas replication requires a replication exit (provided by the Adabas Event Replicator).
Action	If you intend to use A2A replication, install the Adabas Event Replicator before starting the nucleus again; in particular, the replication exit is required. If you have already used A2A replication but you no longer want to use it, perform ADADBM REMOVE_REPLICATION.
AARADARSP	Adabas response code during insert or update of a replication
Explanation	During the update of the replication meta data file an Adabas error occurred.
Action	Check the nucleus log for the specific response code.
AARDUPLICATE	Replication target file already used
Explanation	A certain database ID and file number combination was specified twice as replication target. Obviously this does not work. But a file can be replicated to two targets.
Action	Choose a different target.
AARERDBFI	File number or Database ID out of range
Explanation	Either the file number of the target file or the target database is out of range (beyond 255) or the source file number does not exist. The target database and target file do not have to exist.
Action	Choose valid target values. Make sure the source file exists.

AARIDEXIST	Replication ID already exists
Explanation	An existing replication ID was used for ADAOPR ADD_REPLICATION.
Action	Choose a different replication ID. If omitted, the next free ID is chosen.
AARNOBT	NOBT files cannot be replicated
Explanation	Since the replication is triggered at the end of a transaction NOBT files cannot be replicated.
AAROPTION	Option not allowed for current replication status
Explanation	Option is the keyword specified for ADAOPR CHANGE_REPLICATION. Only certain options are allowed for a status to avoid inconsistencies. The valid keywords are documented.
Action	Consult the table in ADAOPR CHANGE_REPLICATION.
AARRI	If a referential integrity constraint is defined, the same option must be specified also for the related file
Explanation	Cascading actions for a referential constraint could cause modifications which would not be replicated if the replication of the primary file is not active.
Action	Specify all connected files with ADAOPR CHANGE_REPLICATION.
ACACTINVT	Topic AUTHZ or the item ACTION missing in 'string'
Explanation	Either the topic AUTHZ or the item ACTION could not be located in the configuration file adaauth.ini.
Action	Contact your system administrator. Check the content of and correct the configuration file adaauth.ini.
ACACTINVV	Invalid value for item ACTION in 'string'
Explanation	The value of item ACTION in the configuration file adaauth.ini is not valid.
Action	Contact your system administrator. Check the content of and correct the configuration file adaauth.ini.

ACDDAT	Records differ between address converter 'number' and data storage 'number'
Explanation	Address converter is inconsistent with DS.
Action	Unload/export the file in physical sequence and load/import it again.
ACEXTOVL	Address Converter's extent overflowed
Explanation	The file's Address Converter is too fragmented.
Action	Unload/export the file, allocate larger extents, and load/import the file again.
ACFADINVI	Item AUDIT_FILE invalid or missing in 'string'
Explanation	The item AUDIT_FILE is invalid or missing in file adaauth.ini.
Action	Contact your system administrator. Check the content of and correct the configuration file adaauth.ini.
ACFADINVV	Value of AUDIT_FILE too long in 'string'
Explanation	The value of the item AUDIT_FILE in the configuration file adaauth.ini is invalid.
Action	Contact your system administrator. Check the content of and correct the configuration file adaauth.ini.
ACFADNFND	File AUDIT_FILE not found 'string'
Explanation	The file assigned via the item AUDIT_FILE in the configuration file adaauth.ini could not be located.
Action	Contact your system administrator. Check the content of and correct the configuration file adaauth.ini.
ACFADNRD	File AUDIT_FILE not readable 'string'
Explanation	An error has occurred while accessing the file assigned via the item AUDIT_FILE. The file was not accessible; a possible cause for this could be file access permissions.
Action	Contact your system administrator. Check the content of and correct the file assigned via the item AUDIT_FILE.

ACFAUNFND	File adaauth.ini not found 'string'
Explanation	The configuration file adaauth.ini could not be found in the given location.
Action	Contact your system administrator. Check the content of and correct the configuration file adaauth.ini.
ACFAUNRD	File adaauth.ini not readable 'string'
Explanation	An error has occurred while accessing the configuration file adaauth.ini. The file was not accessible; a possible cause for this could be file access permissions.
Action	Contact your system administrator. Check the content of and correct the configuration file adaauth.ini.
ACFMTINVI	Item FORMAT invalid or missing in 'string'
Explanation	The value of item FORMAT is either invalid or missing in the configuration file, which is assigned via the item AUDIT_FILE.
Action	Contact your system administrator. Check the content of and correct the file assigned via the item AUDIT_FILE in file adaaudit.ini.
ACFMTINVT	Topic AUDIT or item FORMAT invalid or missing in 'string'
Explanation	Either the topic AUDIT or the item FORMAT could not be located in the configuration file, which is assigned via the item AUDIT_FILE.
Action	Contact your system administrator. Check the content of and correct the file assigned via the item AUDIT_FILE in file adaaudit.ini.
ACFRBINVI	Item RBAC_FILE invalid or missing in 'string'
Explanation	The value of the item RBAC_FILE in the configuration file adaauth.ini is either invalid or missing.
Action	Contact your system administrator. Check the content of and correct the configuration file adaauth.ini.

ACFRBINVV	Value of RBAC_FILE too long in 'string'
Explanation	The value of the item RBAC_FILE in the configuration file adaauth.ini is not a valid file path.
Action	Contact your system administrator. Check the content of and correct the configuration file adaauth.ini.
ACFRBNFND	File RBAC_FILE not found 'string'
Explanation	The file assigned via the item RBAC_FILE in the configuration file adaauth.ini could not be located.
Action	Contact your system administrator. Check the content of and correct the configuration file adaauth.ini.
ACFRBNRD	File RBAC_FILE not readable 'string'
Explanation	An error has occurred while accessing the file assigned via the item RBAC_FILE. The file was not accessible; a possible cause for this could be file access permissions.
Action	Contact your system administrator. Check the content of and correct the file assigned via the item RBAC_FILE in file adaaudit.ini.
ACFRBSYN	Syntax error in file RBAC_FILE 'string'
Explanation	A syntax error has been encountered during the processing the security definitions in the file, which is assigned via the item RBAC_FILE .
Action	Contact your system administrator. Check and correct the security definitions in the file assigned via the item RBAC_FILE in file adaaudit.ini.
ACINVERR	An unexpected error has occurred: rc='number' in 'string'
Explanation	An internal error has occurred.
Action	Contact your nearest support center.
ACLEXST	'name' is already loaded in file 'number'
Explanation	The RBAC system file already exists in the database with the given file number. The database was not modified.
Action	None.

ACLOAD	'name' loaded in file 'number'
Explanation	The RBAC system file has been successfully loaded with the given file number.
Action	None.
ACLOGCL	File LOG_FILE cannot be closed
Explanation	The file assigned via the item LOG_FILE could not be closed. This configuration option is set in the file assigned via the item AUDIT_FILE in file adaaudit.ini.
Action	Check the content of and correct the file LOG_FILE.
ACLOGINVI	Item LOG_FILE invalid or missing in 'string'
Explanation	The value of item LOG_FILE is either invalid or missing in the configuration file, which is assigned via the item AUDIT_FILE.
Action	Contact your system administrator. Check the content of and correct the file assigned via the item AUDIT_FILE in file adaaudit.ini.
ACLOGINVV	Value of LOG_FILE too long in 'string'
Explanation	The file assigned via the item LOG_FILE could not be located. This configuration option is set in the file assigned via the item AUDIT_FILE in file adaaudit.ini.
Action	Contact your system administrator. Check the content of and correct the file assigned via the item AUDIT_FILE in file adaaudit.ini.
ACLOGOP	File 'string' cannot be opened
Explanation	The file assigned via the item LOG_FILE could not be opened. The file was not accessible; a possible cause for this could be file access permissions. This configuration option is set in the file assigned via the item AUDIT_FILE in file adaaudit.ini.
Action	Contact your system administrator. Check the value of LOG_FILE.

ACLOGPERM	The permissions of the LOG_FILE directory are insufficient.
Explanation	The permissions of the directory in which the LOG_FILE is located are insufficient. All users which are able to execute Adabas utilities require read and write permissions to the Audit Log file, which is located in this directory.
Action	Contact your system administrator. Check the content of and correct the file LOG_FILE.
ACLOGW	File LOG_FILE cannot be written
Explanation	The file assigned via the item LOG_FILE could not be written. Possible causes for this could be: <ul style="list-style-type: none">■ Insufficient amount of storage/disk space;■ Insufficient permissions to access the file. This configuration option is set in the file assigned via the item AUDIT_FILE in file adaaudit.ini.
Action	Contact your system administrator. Check the content of and correct the file LOG_FILE.
ACMODINVI	Item MODE invalid or missing in 'string'
Explanation	The value of the item MODE in the configuration file adaauth.ini is either invalid or missing.
Action	Contact your system administrator. Check the content of and correct the configuration file adaauth.ini.
ACNISN	Address-converter 'number', ISN 'number' not in data RABN 'number'
Explanation	Address converter is inconsistent with DS.
Action	Unload/export the file in physical sequence and load/import it again.
ACNOPERM	Security violation. Permission denied.
Explanation	The user is not permitted to execute the requested operation on the specified object. This can occur for one or more of the following reasons: <ul style="list-style-type: none">■ The user is not defined;■ The user does not have the required access privileges.
Action	Contact your system administrator.

Check the content of and correct the security definitions in the file assigned via the item RBAC_FILE in file adaaudit.ini.

ACNPE	AC conversion not permitted, highest DS RABN 'num', permitted 'num'
Explanation	The conversion to 3-byte address converter could not be done because there are already block numbers which cannot be stored in 3 bytes.
Action	Investigate if the DATA container(s) with the higher RABNs can be removed.
ACNSP	No space for new address converter, need 'number' blocks ('number'KB)
Explanation	There is no more ASSO space for building the new Address Converter. The message shows the total amount of space needed by the AC_CONVERT function.
Action	Calculate free ASSO space in database and see how much missing. Then add a new ASSO container with sufficient space with ADADBM ADD_CONTAINER or check if you can use ADADBM DEALLOCATE. Alternatively, you can increase the ASSO container by using ADADBM with the EXTEND_CONTAINER parameter.
ACRABN	Unable to get address converter RABN 'number'
Explanation	Physical problem with reading of address converter or FCB corrupted.
Action	Unload/export the file in physical sequence and load/import it again.
ACSEPINVI	Item SEPARATOR invalid or missing in 'string'
Explanation	Item SEPARATOR invalid or missing in 'string'
Action	Contact your system administrator.
	Check the contents of and correct the file assigned via the item AUDIT_FILE in file adaaudit.ini.
ADA_77	* ASSO/DATA storage exhausted ('string')
Explanation	See nucleus response code 77.
Action	See nucleus response code 77.
ADAAnn	'text'
Action	Refer to nucleus response codes, response nnn.

ADAASH	No shared-memory region available
Explanation	The shared memory required by Adabas cannot be created or attached due to resource problems.
Action	Check the UNIX kernel parameters that relate to the resources and increase them if necessary. Check the documentation of your operating system for <ul style="list-style-type: none">■ shmget error ENOSPC or■ shmat error EMFILE
ADAGSH	Cannot attach to shared-memory region
Explanation	The shared memory region cannot be attached. The reason for this may be missing user rights, for example a terminal server user does not have the "create global objects" user right.
Action	Assign the appropriate user rights to the user.
ADAMCI	ADAM key file not supported with ciphering
Explanation	The ADAM key option and the CIPHER option of ADAFDU are incompatible.
Action	Select either ADAM or CIPHER but not both.
ADAMIV	Invalid usage of the ADAM parameter, check semantics
Explanation	The specified ADAM parameter does not fit to the ADAM key.
Action	Check the format of the ADAM field name and see the documentation on how to use the ADAM parameter.
ADAMNF	ADAM key 'name' not found in FDT
Explanation	The ADAM key specified by the parameter ADAM_KEY was not present.
Action	Check the FDT specification.
ADAMNU	NU/NC option not permitted with ADAM
Explanation	An ADAM key must not have one of these options.
Action	Check the FDT specification.

ADAMPI	ADAM parameter mismatch with ISN option
Explanation	The given ADAM parameter cannot be used the ADAM ISN option.
Action	Correct ADAM_KEY or ADAM_PARAMETER.
ADAMPM	ADAM key must not be a MU field or within periodic group
Explanation	An ADAM key is not permitted for multiple-value fields or for fields within periodic groups.
Action	Check the FDT specification.
ADAMSU	ADAM key must not be a sub/super/phonetic/hyper descriptor
Explanation	An ADAM key must not be a special descriptor.
Action	Check the ADAM_KEY parameter of ADAFDU.
ADAMUQ	Unique descriptor option for ADAM key required
Explanation	An ADAM key does not have the unique option in the FDT.
Action	Check the FDT specification.
ADAREXE	Replication exit error: 'error'
Explanation	An error occurred in the replication exit provided, for example, by the Adabas Event Replicator. 'error' describes the error that occurred.
Action	Refer to the documentation of the product that provided the replication exit.
ADAREXF	Replication exit fatal: 'error'
Explanation	A fatal error occurred in the replication exit provided, for example, by the Adabas Event Replicator. 'error' describes the error that occurred.
Action	Refer to the documentation of the product that provided the replication exit.
ADATCPAPUREC	Parameter TCPRECEIVER changed from 'tcpreceiver_orig' to 'tcpreceiver_new' to meet the APU definition
Explanation	The APU definition gives the number of receivers. The total number is calculated as the number of APUs multiplied with the number of receivers. The number of defined tcpreceivers was less than the calculated number of receivers and changed to the number of calculated receivers. For an active APU definition, the number of tcpreceiver should be a multiple of the number of APUs.
Action	To avoid this message, set the value of the TCPRECEIVER parameter accordingly.

- ADATCPATBLIC** **Parameter TCPATB restricted by licensing, changed from 'tcbatb_orig' to 'tcbatb_new'**
- Explanation** There was a problem reading and validating the Adabas license file. Running without license restricts the ADATCP resources.
- Action** Activate a valid Adabas license file.
-
- ADATCPAIBTOOSMALL** **TCPATB too small**
- Explanation** Each receiver of ADATCP has its own attached memory. The available free memory was too small for the Adabas call.
- Action** Increase the value of the nucleus parameter TCPATB.
-
- ADATCPCONLIC** **Parameter TCPCONNECTIONS restricted by licensing, changed from 'tcpconnec-tions_orig' to 'tcpconnections_new'**
- Explanation** There was a problem reading and validating the Adabas license file. Running without license restricts the ADATCP resources.
- Action** Activate a valid Adabas license file.
-
- ADATCPCONREFUSED** **Refused incoming connection: maximum number of connections ('num_connection') per thread reached**
- Explanation** Each receiver thread has reached he maximum number of connections, and new connections are therefore not accepted. The number of connections was either defined by the nucleus parameter TCPCONNECTIONS or restricted by a missing license.
- Action** Increase the number of connections per thread, or install the appropriate license.
-
- ADATCPINIFAIL** **ADATCP initialization failed: 'error message'**
- Explanation** The initialization of ADATCP failed during database startup. It can be that the listen thread or a receiver thread could not be started. A detailed reason (error message) is given in the message.
- Action** Check the error message for the reason of the failure. A reason can be, for example, that the listen port is already in use by another application.
-
- ADATCPLICENSE** **'license_error'**
- Explanation** An Entire Net-Work license is needed to enable remote TCP/IP access. There was a problem reading and validating the license file. A detailed error message is provided.
- Action** Check the detailed error message and, for example, activate a valid Entire Net-Work (WCP) license file.

ADATCPNACT	Database is active and defined in the dbmapping file but not reachable via TCP/IP
Explanation	The database is active and defined in the dbmapping file of the Adabas Client, but is not reachable via TCP/IP. There is a configuration mismatch, either the database is not ADATCP-enabled, or the dbmapping file entry is not correct, e.g. a different port number in the mapping file and in the nucleus parameters.
Action	Check the configuration for correctness and make sure the database is online. If the database still cannot be reached, remove the database entry from the mapping file; then the IPC mechanism will be used.
ADATCPRECVLIC	Parameter TCPRECEIVER restricted by licensing, changed from 'tcpreceiver_orig' to 'tcpreceiver_new'
Explanation	There was a problem reading and validating the Adabas license file. Running without a license restricts the ADATCP resources.
Action	Activate a valid Adabas license file.
ADATCPSSLINIFAIL	ADATCP SSL initialization failed: 'error message'
Explanation	The initialization of ADATCP SSL failed during database startup. A detailed reason is provided in the the error message.
Action	Check the error message for the reason for the failure. This can be, for example, that the SSL listening port is already in use by another application, or that something went wrong while validating the certificates.
ADATCPSSLINIT	ADATCP SSL initialization: 'message'
Explanation	Informational messages issued during startup of the SSL subsystem.
Action	None.
ADCERR	can't configure asynchronous IO driver 'string'
Explanation	A system call used to configure the asynchronous I/O driver failed.
Action	Check that the driver is correctly installed (use errno number as help).
ADDDE	Adding descriptor 'name' not possible
Explanation	A field without the NC or NU option can only be added as a descriptor (with the DE option) if the file is empty.
Action	Add the field without the DE option and invert the field with ADAINV afterwards.

ADOERR	can't open asynchronous IO driver 'string'
Explanation	The open system call on the asynchronous I/O driver failed.
Action	Check that the driver is correctly installed (use errno number as help).
ADRERR	error during asynchronous IO driver request
Explanation	An error occurred while performing an asynchronous I/O. A following ERRNOM message gives you more details about the error. Note that the reason for an errno(5): I/O error may not only be a real I/O error, but also one of the following: <ul style="list-style-type: none"> ■ Not all required operating system patches are applied (see <i>Installation</i>). ■ The system parameters, in particular AIO_LISTIO_MAX are not set correctly (see <i>Installation</i>). <p>Instead of increasing AIO_LISTIO_MAX, you can also set the ADANUC parameter BFIO_PARALLEL_LIMIT (see <i>Utilities</i>).</p>
Action	Verify that the required operating system patches are applied, and that the system parameters are correct. If these points are OK, check your hardware.
ADTERR	error during retrieval of completed asynchronous IOs
Explanation	An error occurred when reading from the asynchronous I/O driver.
Action	Check that the driver is correctly installed. If it is correctly installed. call your nearest support center (tell them the errno number as a help).
ADTSIZ	request size 'number', returned size 'number'
Explanation	An error occurred when writing the asynchronous I/O driver.
Action	Check that the driver is correctly installed. If it is correctly installed. call your nearest support center (tell them both numbers as a help).
AEXCLWO	already exclusive opened for write
Explanation	A TEMP or SORT container file is already being used by another user.
Action	Create another TEMP or SORT, or wait until the other user terminates.
AIOERR	Unexpected AIO error: 'rc', counts: 'comp', 'free', 'active', 'retry', 'err_cnt'
Explanation	Asynchronous IO error.
Action	Send the output to your nearest support center.

ALLCRE	Space difference between allocation and creation
Explanation	The amount of space preallocated for a container file is different from the size specified with ADAFRM or ADADBM.
Action	Correct the preallocation, or correct the SIZE parameter for ADAFRM or ADADBM.
ALLERR	Error during space allocation in disk section 'string'
Explanation	A problem occurred during space allocation in a disk section (e.g. space bottleneck).
Action	Check second message for a detailed analysis of the problem.
ALLERROVFL	Overflow on raw section 'string'
Explanation	An overflow on a raw disk section occurred. Please note, that this error may occur, even though there is still enough free space on the disk section. The reason for this is that the space reserved for the directory describing the contents of the disk section is limited, and the error occurs if there are too many entries in the disk section.
Action	Move data from the disk section to the file system.
ALLOAD	file 'number' already loaded
Explanation	The specified file is already present in the database.
Action	Check the file number.
ALLOCISN	Cannot allocate user defined ISN 'number'
Explanation	There is not enough free ASSO space to increase the Address Converter of the file to store the user-defined ISN.
Action	Increase the size of the ASSO container.
ALLOPT	asterisk required
Explanation	Only a wildcard is permitted.
Action	Use an asterisk `*`.
ALLPH	field already phonetized
Explanation	The same parent field is already used within another phonetic descriptor.
Action	Check the file number or the parent-field name.

ALLUQ	descriptor already defined unique
Explanation	The descriptor to be set as unique is already defined as unique.
Action	Check the file number or the field name.
ALRACT	ADABAS already active
Explanation	A nucleus is already active for this database.
Action	Check if there is really an Adabas nucleus for this database. (UNIX only: if not, use showipc -k <dbid> to remove the shared memory resources and restart the nucleus.)
ALRLOCK	file already locked
Explanation	The required file is already locked.
Action	None.
ALRSET	Option already set
Explanation	The specified option is already set in the nucleus.
Action	None.
AMBKEY	ambiguous keyword
Explanation	The keyword's abbreviation is not unique.
Action	Make the keyword unique.
ARERR	AUTORESTART on database 'number' completed with errors
Explanation	During auto restart, some errors have occurred. Check preceding messages for detailed error information. The nucleus can operate normally on all files on which no errors have occurred.
Action	Repair the errors. See also the messages ARIXER and ERRFIL.
ARIWR	Invalid WORK P1 Block, BLSIZE not equal SUM_LEN of all records
Explanation	The consistency check failed during an autorestart.
Action	Make a copy of the WORK container file and send the copy to your nearest support center.

ARIXER	Auto restart has disabled index on file 'number'
Explanation	During auto restart, an error in the index of this file occurred. The index for this file is destroyed and must be rebuilt using ADAINV REINVERT.
Action	Rebuild the index using ADAINV REINVERT.
ARPARDEC	For auto restart, parameter 'name' must not be decreased - minimum required: 'value'
Explanation	If an auto restart is required after a nucleus crash, the nucleus may require the same resources as the previous session, in particular the number of users (NU) and the size of the buffer pool (LBP) should not be decreased. In order to avoid that the auto restart fails, the nucleus checks that these parameters are not decreased before starting the auto restart.
Action	Increase the parameter values accordingly for the next nucleus start.
ARSUPP	Database 'number', AUTORESTART suppressed
Explanation	The last session was not terminated properly, but the WORK used in the current session does not contain the information needed for auto restart. The database may be in an inconsistent state.
Action	Restore/regenerate the database using ADABCK and ADAREC.
ASSOTS	given ASSO-Size too small
Explanation	The size specified for the Associator is too small to contain the FCB and FDT blocks.
Action	Use a larger ASSO size.
ASYERR	Asynchronous IO error for id 'number'
Explanation	An asynchronous IO failed. The utility is aborted.
Action	Check for problems with the device. Is the device online and writeable? If a logical volume spans several physical devices, are they all accessible? Try to access the affected devices using operating system commands. Have a look at system log files for appropriate error messages.
BADMAG	bad magic number
Explanation	Access to a sequential file failed because of a structure mismatch. The file is not a sequential Adabas file, or it is a sequential file of an unexpected type, or it was generated on a wrong platform (most sequential Adabas files generated on a high-order-byte first platform cannot be processed on a low-order-byte first platform and vice versa).
Action	Check the assignment of the associated environment variable.

BCKBLKW	backup in progress which blocks nucleus, wait ...
Explanation	An ADABCK DUMP function is active and blocking the nucleus. The nucleus must wait until ADABCK has completed.
Action	Wait for the DUMP function to complete.
BCKMACT	nucleus cannot start, multiple adabcks active
Explanation	There is only one ADABCK DUMP function permitted if the nucleus is online or going to be online, but there is more than 1 DUMP function currently active.
Action	Wait until all ADABCK DUMP functions have completed (or only one backup still active).
BCKNHUP	adabck not responding, hangup 'date'
Explanation	The nucleus has disabled a ADABCK DUMP function because it did not respond within 10 minutes. The backup got back control later and found this situation, so it aborted.
Action	Check your adabck process.
BCKNOPARAL	Backup was created without option PARALLEL=MULTI_PROCESS
Explanation	A restore operation from a backup that was created without the option PARALLEL=MULTI_PROCESS cannot be performed using the PARALELL=MULTI_PROCESS option.
Action	Perform the restore operation without the PARALELL=MULTI_PROCESS option.
BCKPARAL	Backup created with option PARALLEL=MULTI_PROCESS cannot be processed.
Explanation	A backup that was created with the option PARALLEL=MULTI_PROCESS cannot be restored to a platform with a different endian mode.
Action	Create a backup without the option PARALELL=MULTI_PROCESS if data is to be restored on a platform with a different endian mode.
BCKRSTV	Restore from backup file created on a different platform with a different Adabas version is not supported
Explanation	ADABCK can restore a database from a backup file that was created on a different platform: all data that are dependent on the endian mode are converted into the target format (swapped). However, it is not possible to convert the data structures that were used by earlier releases at the same time.
Action	Use a more recent backup.

BCKWAIS	wait for adabck synchronisation ... 'date'
Explanation	An ADABCK DUMP function is active while the nucleus is starting up. The processes must synchronize with each other.
Action	If the nucleus cannot proceed then check the ADABCK process (via the ps command). If the ADABCK process does not respond within 10 minutes, the nucleus will disable the backup run and will start up.
BCRSP1	Database 'number' aborted, Response 'number' during Backout command, file 'number', orig rsp 'number'
Explanation	An Adabas command was returned with an error (the response code is displayed as 'orig rsp'). This resulted in the command being backed out in order to reverse any changes. However, the backout did not succeed due to the error displayed as 'response'. The nucleus cannot continue, because its data are inconsistent.
Action	Restart the database. This will result in consistent data.
BEGNLEND	beginning date/time not earlier than ending date/time
Explanation	The specified ending date/time is earlier than the specified beginning date/time or the current date/time.
Action	Correct the beginning or ending value.
BFNOTS	Blocking factor is not supported, check your tape device
Explanation	The specified tape device cannot be written by Adabas because the blocking factor is not supported.
Action	Change the blocking factor on the tape device. It must either be variable or a multiple of 1024.
BINVRR	invalid RABN range detected, file= 'number', type='string', from='number', to='number'
Explanation	An invalid range of RABNs was detected in the FCB for the specified file.
Action	The file in question cannot be used in this situation. To repair this, Unload/export the file, delete it, redefine it with ADAFDU, the load/import it again.
BKALFA	allocation failed with 'string'-RABNs 'number' - 'number'
Explanation	While restoring files, the requested range of RABNs of 'string' type is not available.
Action	Use ADAREP's LAYOUT function to check the required blocks.

BKALRAC1	Online backup already active
Explanation	Another ADABCK DUMP function is active. Only one online backup is possible at one time.
Action	Identify the running ADABCK process. Check the UCB with ADAOPR DIS=UCB and check with the ps command (ps -ef). Note that an ADABCK process can be active although there is no entry in the UCB.
BKBEMP	input file BCK00'number' is empty
Explanation	The specified backup file does not contain any data.
Action	Check the setting of the environment variable and the associated file.
BKBLIGN	RABN 'number' ignored, run ADAVFY's INDEX function for file 'number'
Explanation	During ADABCK a corrupted index block is found which will not be dumped to the backup file.
Action	To verify that the block is not a relevant block, ADAVFY's INDEX function should be performed. If ADAVFY succeeds then the backup file is ok, the block in question will be reformatted if using the RESTORE function by ADABCK. If ADAVFY signals errors the index is corrupted. The given backup file cannot be used; the file must be repaired first with the REINVERT function of ADAINV.
BKCSCH	invalid container size change 'container-file', expected rabn 'number'
Explanation	The container sizes are insufficient or have different block sizes when restoring a complete database. The specified container file must have at least as many blocks as given in the message.
Action	Check and compare the SUMMARY functions of ADAREP (database) and ADABCK (backup file).
BKINTY	invalid block type 'string' for rabn 'number'
Explanation	LOGGING=IO is switched on and an I/O from an unexpected container is going to be logged, so command logging has been deactivated.
Action	Because this is an unexpected error, contact your nearest support center; you can re-enable command logging with ADAOPR's LOGGING function.
BKIREC	invalid record detected, block (bck-block), rabn (rabn), session (session)
Explanation	The backup copy file has a structure error with printed information. This backup copy file cannot be used as input for a restore.
Action	Run ADABCK's DUMP function again.

BKIREC2	error occurred in I/O block 'number', last successful ravn 'number' ('type')
Explanation	This message provides additional information to the BKIREC message.
BKISBCF	invalid sequence of backup copy files
Explanation	When restoring a database with multiple backup tapes, a tape was inserted in the incorrect sequence.
Action	Insert the tapes in the correct sequence.
BKNDNCH	Dbid could not be changed
Explanation	During ADABCK's RESTORE function, the NEW_DBID request cannot be satisfied and is ignored because of mismatches in the disk section.
Action	Check the disk section of the current database and use ADADBM's NEW_DBID function.
BKNNDB	function only permitted if restore database
Explanation	The requested function can only be executed if a complete database is being restored.
Action	Check the selected parameters.
BKNOTER	terminator of backup copy not found
Explanation	The backup copy is not complete, the previous dump has not finished successfully.
Action	This backup copy cannot be used, try another one.
BKNPC	Not permitted to continue, nucleus abnormally terminated
Explanation	During an online backup the nucleus went down abnormally. This will be detected by ADABCK at the end of this session.
Action	Perform autorestart for the Adabas nucleus and restart the backup.
BKNRDB	restore database not permitted while nucleus running
Explanation	It is not possible to restore a database while the Adabas nucleus is active.
Action	Shut down the nucleus and start the restore again.

BKPRERR	backup process terminated with an unexpected error <number>
Explanation	A parallel backup failed due to an error of an associated subprocess. The error number is the exit status of this process.
Action	Look at the subsequent error message that is displayed together with this one.
BKSYNC	synchronisation with nucleus lost ('reason')
Explanation	The synchronisation between ADANUC and ADABCK during an online backup was lost due to the 'reason'.
Action	Restart the online backup with ADABCK. If it fails again, contact your nearest support centre.
BKWAIST	wait for the nucleus to finish starting... 'date'
Explanation	The nucleus is within its startup phase and has not yet finished. ADAOPR will wait for 10 seconds, ADAORD for 180 seconds, to finish the nucleus startup.
BKWODB	restore database NOT possible, files exist on a READONLY device
Explanation	One or more container files are located on a READONLY / WORM device which cannot be written to.
BLKINT	block device path name not allowed
Explanation	A block device path name was used where a raw device path name was required.
Action	Use raw device path name.
BLKREQ	block number required
Explanation	A checkpoint name has been supplied but no corresponding block number.
Action	Supply the block number where the checkpoint name is to be found.
BLKTOSMALL	block size on output file too small
Explanation	The block size on the output file is too small.
Action	Use an output device with a larger block size.

BLSCORR	'path' appears to be damaged at offset 'number'
Explanation	The block at the given offset 'number' of the sequential Adabas file identified by 'path' has an unexpected block size.
Action	The file is corrupted. You cannot work with it. If you cannot determine the reason for the data set corruption, contact your nearest support center.
BLSMAW	blocksize mismatch detected between ASSO and WORK
Explanation	The WORK block size must be larger than the largest ASSO block size, and the first ASSO extent must have a block size of at least 2KB.
Action	Change the block size of ASSO or WORK.
BLSMM	blocksize mismatch detected on dataset (extent)
Explanation	Within an ADABCK restore, the block sizes between the database and the backup file are incompatible.
Action	Check the block sizes of the database and the backup file.
BLUNUSED	'number' blocks unused at WORM device end
Explanation	When a container is being created on a WORM disk, this warning message gives the amount of unused space (in units of blocks of the specified block size).
Action	This is an informational message and just informs you about wasted disk space. You could repeat the function to make use of that space also.
BMISGX	'string' RABN 'number' not found in GCB extent(s)
Explanation	The specified RABN was allocated to a file but not contained in the GCB.
Action	Run ADAVFY to check the FCB.
BOPABO	aborted by operator
Explanation	The session has been explicitly aborted (ADAOPR ABORT).
Action	None.
BOVRLAP	database is inconsistent, overlapping FCB extents detected
Explanation	The database contains overlapping FCB extents.
Action	Run ADAVFY to check the FCB.

BPMERR	ADABPM internal error 'number'/'number'
Explanation	An internal error has occurred.
Action	Contact your nearest support center.
BS2SMALL	Record length is 'number', max available size of block: 'number'
Explanation	IMPORT encountered a record, which is smaller than the block size of the user-defined device.
Action	Choose a device (with the DSRABN parameter) with a greater block size and rerun IMPORT.
BSAD	wrong block size specified for ADAM-file 'number'
Explanation	A smaller block size than the original block size was specified for an ADAM file. The specification of the block size could also be given indirectly by specifying DSRABN.
Action	Correct the input line and rerun ADAORD.
BSADREQ	minimum block size of 'number' bytes required for ADAM-file 'number'
Explanation	A smaller block size than the original block size was specified for an ADAM file.
Action	Correct the input line and rerun ADAORD.
BSUBS	backup copy contains subset of files present in database
Explanation	This is a warning message to indicate that when you use the RESTORE=* function of ADABCK, some files will disappear because there are more files contained in the current database than on the dump file.
BTRSP	Database 'number' aborted, Response 'number' during BT, in file
Explanation	An invalid response has been detected during a BT.
Action	Restart the database. This will result in consistent data.
BUFEXC	Length of Record Buffer exceeds 64k. Cannot be used with acb interface.
Explanation	The ACB interface only supports records buffers less than 64 kilobytes.
Action	Use the ACBX interface for the Adabas call, or decrease the record buffer size for the Adabas call.

CANTOF	can't open file
Explanation	The CSA dump file cannot be opened.
Action	Check that the file name is correct and check the file's access privilege.
CHARMAX	only 'number' character(s) allowed
Explanation	The given string is too long.
Action	Enter a string that does not exceed the length given by the error message.
CHARMIN	at least 'number' character(s) required
Explanation	The given string is too short.
Action	Enter a string that is not shorter than the length given by the error message.
CHKREQ	checkpoint name required
Explanation	A block number has been supplied but no corresponding checkpoint name.
Action	Supply the checkpoint name to which the block number belongs.
CHPERR	Invalid checkpoint data
Explanation	The checkpoint file contains invalid data.
Action	Contact your nearest support center.
CLOGDIS	database 'number', command logging disabled
Explanation	An error has occurred while opening or writing the command log file. The command log feature is now disabled, the nucleus continues normally.
Action	Check the environment of NUCCLG. You can reactivate the command logging later on with ADAOPR FEOF=CLOG.
CLOGGER	Open error on CLOG file
Explanation	The new command log file could not be opened with an ADAOPR FEOF or LOGGING function.
Action	Look in the nucleus log file to find the detailed error message.

CMPREC	Number of compressed records: 'number'
Explanation	This message is issued in each run of ADACMP. If records are compressed, it is an informational message. It is issued as a warning message if zero records are compressed. This may be because the input file does not contain any records or because the structure of the records does not agree with the FDT.
Action	Check the ADACMP input file CMPIN and the FDT.
CONBLCOR	PLOG/WORK block 'block number' corrupted - database verification recommended
Explanation	The specified PLOG/WORK block is corrupted.
Action	Verify the consistency of the database.
CONFIG	Software configuration error
Explanation	If you apply a hotfix to a wrong Adabas version, unexpected errors can occur. In order to avoid such errors, Adabas checks whether a hotfix that is applied to an Adabas version really has this Adabas version as prerequisite. If this is not the case, this error message is returned.
Action	Remove the hotfix from the wrong Adabas version, and apply it to the correct Adabas version.
CONFILUSED	the container file to be removed is in use
Explanation	An Adabas file has allocated RABNs that are located in the last container file (REMOVE_CONTAINER function) or in that part of the last container file that is to be deallocated (REDUCE_CONTAINER function).
Action	All RABNs to be deallocated must be returned to the Free Space Table.
COMMNIERR	Failed to commit configuration changes to the DBnnn.INI file
Explanation	Cannot write changes to the INI file.
Action	Check subsequent messages for a detailed error reason.
CONVER	format conversion error
Explanation	A field's standard format cannot be converted to the required format.
Action	None.

CPBOVFL	Checkpoint block (CPB) overflow
Explanation	An overflow has occurred in the checkpoint block. The utility action has been carried out but will not be reflected in the checkpoints of the database.
Action	Start the nucleus to transfer the entries in the checkpoint block to the checkpoint file. The ADANUC option AUTORESTART_ONLY can be used.
CPFAIL	Checkpoint write failed with response 'number', session canceled
Explanation	An internal checkpoint I/O (e.g. during a utility action) failed with a response code. The nucleus will shut down in the same way as ADAOPR CANCEL.
Action	Analyze the response code given in the message and do the required action. Then restart the nucleus and the failed checkpoint will be recovered.
CPLPE	descriptor contained in or derived from periodic group
Explanation	A descriptor that is contained in or derived from a periodic group cannot be used to control the unload sequence.
Action	Use a different descriptor or unload in physical or ISN sequence.
CPNWRT	Checkpoint not written due to response 'number'
Explanation	The utility checkpoint could not be written because of response code 'number'.
Action	Refer to the response code description and perform its action. It is just a warning, the utility will continue.
CPULIC	Number of CPUs restricted by licensing, CPUs online 'number', CPUs licensed 'number'
Explanation	Adabas cannot be run on a machine with more CPUs than the license allows.
Action	Run Adabas on a machine with less CPUs or upgrade your license.
CPYERR	Copy (move) error during 'string' call on file 'string'
Explanation	A system call that was performed during the copy (move) process aborted.
Action	See the subsequent 'errno' message.
CRDBLIC	Database size (DATA) 'number' exceeds size 'number' allowed by license
Explanation	The database size is restricted by license, so that a bigger database cannot be used or created.
Action	Check your license for the currently-allowed database size, and either create a smaller database or upgared your license.

CREERR	dataset 'string', file 'string' could not be created
Explanation	The required data set could not be created. The reason is given in a subsequent error message.
Action	See the subsequent error message.
CSAERR	CSA dump file 'string' could not be 'operation', errno ('number'): 'error text'
Explanation	A CSA dump file could not be created or written due to an operating system error. See 'errno' and 'error text' for a detailed problem analysis.
CSZMM	container size mismatch between GCB and raw section
Explanation	The container file size registered in the database (GCB) and the size found in the raw section are not identical.
Action	Check the settings of the environment variables that point to the container files. Use ADADEV's LAYOUT function and ADAREP's SUMMARY function and compare the values given for the container file size.
CSZMMF	container size mismatch at 'container name', expected size 'number'
Explanation	The container file in a file system is smaller than the size registered in the database (GCB).
Action	Check the settings of the environment variables that point to the container files. Compare the file size with the size given by ADAREP's SUMMARY function.
CTOOBIG	Size of CONTAINER file too large
Explanation	The maximum size of Adabas container file has been exceeded.
Action	Reduce the file size.
CVDBS	database 'number' at unexpected structure level ('number')
Explanation	The current database is not a Version 6.1, Version 6.2 or Version 6.3 database.
Action	None: ADACVT cannot be used to convert unsupported database versions.
CVINVCV	only conversion to version 'vers' permitted
Explanation	Conversion to the destination version is not permitted. Please refer to the CONVERT parameter for information about the conversions that are supported.
Action	Use one of the valid keywords.

CVTFDTTL	Conversion not permitted. FDT too long in file 'fnr'.
Explanation	The size of the FDT is larger than the maximum FDT size allowed in the target version of the conversion. Specifically, the FDT may be too large because more than 926 fields have been defined, which was the maximum up to Adabas Version 6.1.
Action	Remove all files where the FDT is too large.
CVTINI	Structure level decreased. AUTOSTART option disabled
Explanation	AUTOSTART is disabled if ADACVT converts to a previous Adabas version.
Action	Use the destination Adabas version to register the database for AUTOSTART.
CVTOPTNO	Conversion not permitted. Not supported field definition in file 'fnr'.
Explanation	ADACVT conversion to an older version is not allowed because of new features used.
Action	Remove all files that use new Adabas features.
CVTSPNREC	Conversion not permitted. Spanned record flag is set.
Explanation	The spanned record flag was introduced in Version 670. When this flag is set, it is not possible to convert back to a previous version.
Action	Clear the spanned record flag.
CVTREFNO	Conversion not permitted. Referential integrity in file 'fnr'.
Explanation	ADACVT conversion to an older version is not allowed because referential integrity is not supported in that version.
Action	Drop all referential integrity constraints.
DALERR	double allocation error
Explanation	A double allocation has been detected between two or more files or a file and the free space table.
Action	Run ADAVFY without any options to determine which parts of which files are affected. Contact your nearest support center with the output of ADAVFY.
DATAOVL	DATA could not be created due to Address Converter overflow
Explanation	The maximum number of blocks allowed for DATA is 16777215.
Action	Correct the value for the parameter DATASIZE.

DATEMP	Data RABN 'number' empty.
Explanation	No data is loaded into DS RABN.
Action	Restore and regenerate file and contact your nearest support center.
DATFPP	Data RABN's first free byte pointer is invalid, RABN 'number'
Explanation	DS RABN is corrupted.
Action	Do one of the following: <ul style="list-style-type: none"> ■ Unload/export the file in physical sequence, decompress, compress and load/import it again (some data will be lost in the RABN), or ■ Restore and regenerate file and contact your nearest support center.
DATIOR	ISN 'number' not between LOWISN and FFISN , rp='hex-number' in data RABN 'number'
Explanation	Inconsistency between DS and FCB.
Action	Unload/export the file in physical sequence and load/import it again.
DATNOD	File 'number' has no data
Explanation	No data is loaded into DS of file.
Action	Restore and regenerate file and contact your nearest support center.
DATUGR	Unable to get data RABN 'number'
Explanation	If RABN 'number' does not exist in DS, the FCB is corrupted.
Action	Unload/export the file in physical sequence and load/import it again.
DATWRB	ISN 'number' points to wrong data RABN 'number', expected 'number'
Explanation	Inconsistency between DS and FCB.
Action	Unload/export the file in physical sequence and load/import it again.
DBABORT	Database 'number' aborted
Explanation	The nucleus aborted, a dump is automatically taken. Additional information concerning the reason is contained in the *.LOG file.
Action	Check the reason for the abort, contact your nearest support center if necessary.

DBERR	DB not available or assignment of ASSO1 is not correct!
Explanation	The specified database cannot be accessed for the reasons given in the message.
Action	Correct the input line or assignment.
DBERRS	File 'number', 'string' ,errors = 'number'
Explanation	Summary message of ADAVFY, checked file contains errors.
Action	Look at the displayed error messages and act accordingly.
DBIDMIS	DBID missing
Explanation	A function was executed without the mandatory DBID parameter being set.
Action	Set the DBID parameter.
DBIDMM	DBID mismatch: present 'number'
Explanation	A mismatch occurred between the DBID parameter and the database ID of the assigned ASSO data set.
Action	Enter the correct database ID or exit the utility and assign correct data sets.
DBNOACT	Database no longer active for this session
Explanation	The nucleus session is now not active.
Action	Reenter the DBID parameter in order to access the new session.
DBNOACT	Database no longer active for this session
Explanation	The nucleus session is now not active.
Action	Reenter the DBID parameter in order to access the new session.
DBSIZEXC	Enlarging the database has failed, because the licensed database size would have been exceeded
Explanation	One of the following situations has occurred: <ul style="list-style-type: none"> ■ You aren't using a license file - there are some restrictions if you use Adabas without a license file, in particular the size of the database is limited. ■ Your license file has expired, in which case Adabas behaves as if you were using it without a license file. ■ You are using a license file with a limitation in the size of the database.
Action	Use an appropriate license file. You can activate the license file via the DBA workbench.

DBSLMM	Structure level mismatch on database
Explanation	Either the database containers or an Adabas sequential file, for example a backup file created by ADABCK, belong to a different Adabas version. Please note that Adabas sequential files created with lower Adabas versions can usually be processed with a higher Adabas version, but not vice versa.
Action	Use an appropriate Adabas version to process the database containers or Adabas sequential files. If you have to load data stored in an Adabas sequential file with a newer Adabas version into a lower version database, you can first load the data to a newer version database, and then convert the database to the lower version with ADACVT, and then create an Adabas sequential file that belongs to the lower version. However, this is only possible if no features of the higher version were used which were not available in the lower version.
DBSTRAR	READONLY option not allowed if auto restart is pending
Explanation	The database which is to be started with OPTIONS=READONLY had been used for updates in the previous session. The previous session had not been terminated properly.
Action	Restart the nucleus with OPTIONS=AUTORESTART_ONLY. After the nucleus has terminated, start it with OPTIONS=READONLY.
DBSTRXA	Start DB with XA option because previous session has used XA
Explanation	The database which is to be started with OPTIONS=READONLY had been used with OPTIONS=XA in the previous session. There are still open global transactions.
Action	Start the nucleus with OPTIONS=XA, terminate all remaining global transactions, shut down the nucleus. Then start it with OPTIONS=READONLY.
DBSTRXAR	READONLY option not allowed if global transactions are pending
Explanation	The database which is to be started with OPTIONS=READONLY had been used with OPTIONS=XA in the previous session. There are still pending global transactions.
Action	Start the nucleus with OPTIONS=XA, terminate all remaining global transactions, shut down the nucleus. Then start it with OPTIONS=READONLY.
DBUUACTION	Database or update utility active
Explanation	The user tried to copy/move an Adabas container which is at the moment used by a nucleus or an update utility.

DCUCCB	PE/MU count converted
Explanation	A PE/MU count byte was converted (new length or format). This means that the FDT written to the ADADCU output file DCUFDT does not represent the standard PE/MU decompression output.
Action	Edit the DCUFDT/DCUOUT file.
DCUFCV	Format/Edit-mask conversion done
Explanation	The format/edit mask conversion has been performed for a field.
Action	None.
DCUICB	Count and actual number of occurrences may differ
Explanation	The count byte was written to the output file, but not all of the elements of the PE/MU group were included.
Action	Edit the DCUFDT/DCUOUT file.
DCULIT	Literal inserted, unknown field name
Explanation	The specified format buffer contained a literal for which a field name has to be set.
Action	Edit the DCUFDT file.
DCUMCB	Missing PE/MU count in format buffer
Explanation	No count byte was written to the DCUOUT file. The field is represented as a PE/MU group in DCUFDT, which means that the record structure does not match the FDT.
Action	Edit the DCUFDT/DCUOUT file.
DCUMFN	Field name already in use
Explanation	A field name occurred more than once in the format buffer. Field names must be unique, which means that a new field name has to be set.
Action	Edit the DCUFDT file.
DCUREC	number of decompressed records : 'number'
Explanation	This message is issued in each run of ADADCU. If records are decompressed, it is an informational message. It is issued as a warning message if zero records are decompressed. This may be because there are no records in the input file DCUDTA or because the records have the wrong structure.
Action	Check the input file DCUDTA.

DEALLSE	deallocation only permitted from start/end of an extent
Explanation	RABNs can only be deallocated from the start or end of an extent. Otherwise the database would be fragmented.
Action	Specify correct values for the RABN and SIZE parameters.
DEALLUS	no deallocation possible, extent is in use
Explanation	The extent to be deallocated is totally in use, no more unused space is present.
DEERRCNT	Errors found for 'numbers' descriptors
Explanation	The VERIFY function of ADAINV has found inconsistencies between index and data storage.
Action	Use the REINVERT function of ADAVFY to repair the index.
DEIU	descriptor name already in use
Explanation	The same descriptor name has already been specified.
Action	Correct the input line.
DELSYS	system file cannot be deleted
Explanation	An attempt was made to delete one or more Adabas system files.
Action	If you want to delete replication system files, use the function ADADBM REMOVE_REPLICATION. Deletion of other system files is not allowed as they are required by the Adabas nucleus.
DEMU	descriptor based on multiple value field
Explanation	A descriptor that is based on a multiple-value field may not be used to control the sequence in which a file's data records are exported.
Action	Check the field name.
DENC	descriptor based on field defined with SQL null-value representation
Explanation	A descriptor that is based on a field defined with SQL null-value representation (NC) may not be used to control the sequence in which a file's data records are exported because this will result in data records being lost.
Action	Check the field name.

DENOTDEF	descriptor 'string' not defined for file 'number'
Explanation	The specified descriptor is defined on the sequential input file for ADAMUP's ADD function, but is not present in the database file to be updated.
Action	Check the input file assignment(s) and the database file to be updated. ADAMUP's DE_MATCH=SUBSET can be used to continue.
DENOTUQ	descriptor is not defined unique
Explanation	Descriptor defined without unique status.
Action	Check the file number or field name.
DENU	descriptor based on field defined with null value suppression
Explanation	A descriptor that is based on a field defined with null value suppression (NU) may not be used to control the sequence in which a file's data records are exported because this will result in data records being lost.
Action	Check the field name.
DESNO	file(s) in use, 'text' function currently not available
Explanation	If using ADAFIN, the given function cannot be used because the file is active (i.e. opened by another user).
Action	Check the file usage by displaying the user queue with ADAOPR.
DEVFULL	Database 'number', PLOG device full
Explanation	The file system on which the current PLOG file is located is full. The nucleus is abnormally terminated.
Action	Either make space available in the file system, or assign the PLOG to another file system that has enough free space. Then restart the nucleus.
DEVNOTAVL	device not available
Explanation	A non-existent device was specified.
Action	Correct the input line and rerun ADAORD.
DFW	DCUFDT output file must be edited for further use
Explanation	The FDT file generated by ADADCU must be modified to be used as input file for an Adabas utility.
Action	Check the FDT file and perform the necessary changes.

DMPONL	dump online block detected
Explanation	When processing an Adabas backup copy, the NOONLINE switch was used to allow unloading in one pass. However, this is only possible if there are no online data storage blocks for the file to be unloaded.
Action	Rerun ADAULD without setting the NOONLINE switch.
DMPPRO	dump start address 'hex-number' in protected area
Explanation	An invalid CSA dump address was specified.
Action	Correct the area parameter value.
DPFACAD	parameter DATAPFAC for ADAM-file 'number' not allowed
Explanation	The DATA padding factor must not be changed for ADAM files.
Action	Rerun ADAORD without changing the DATA padding factor.
DROFFAIL	Referential constraint 'refname' could not be dropped
Explanation	The referential constraint 'refname' does not exist.
Action	Specify the correct name of the referential constraint.
DSETEMP	dataset 'string' empty
Explanation	The data set assigned contains no data.
Action	Assign the correct data set.
DSEXTOVL	Data Storage's extent overflowed
Explanation	The file's Data Storage is too fragmented.
Action	Export and reimport the file; the KEEP_LAYOUT option must not be specified. Alternatively, unload the file and then delete it. Redefine the file using larger extents and then mass-add the unloaded file.
DSRECOFF	dataset 'string', record 'number', offset 'number'
Explanation	An error has been detected in data set 'string', record 'number', at offset 'number'. The type of error is specified by a subsequent message.
Action	Provide the correct input.

DSSIZEAD	wrong DSSIZE specified for ADAM-file 'number'
Explanation	The DATA block size must not be decreased for ADAM files.
Action	Correct the DSSIZE parameter and rerun ADAORD.
DSSTALL	allocation error DSST
Explanation	The ASSO space required to store the DSST blocks is not available, or the maximum number of DSST extents (15) has already been allocated.
Action	If the error occurs during ADAFRM or when executing ADADBM's ADD_CONTAINER function with the NOCONTIGUOUS_DSST switch set, check whether the maximum number of DSST extents has been exceeded. If this is the case, reduce the number of DATA extents with different block sizes (ADAFRM), or make sure that the block size matches the block size of the previous DATA extent (ADADBM). If the error occurs when executing ADADBM's ADD_CONTAINER function with the CONTIGUOUS_DSST switch set, use a larger ASSO size, reduce the DATA extent size or free some space adjacent to the DSST allocation so the allocation can be made contiguously.
DSTNLS	DST not allowed if NEWLINE_SEPARATOR keyword specified
Explanation	The DST parameter is not compatible with the RECORDS_STRUCTURE = NEWLINE_SEPARATOR parameter.
Action	Instead of using the DST parameter, use the FIELDS parameter and specify the daylight saving time indicator(s) explicitly.
DUPISN	duplicate ISN 'number' detected in DATA - please run ADAVFY
Explanation	Multiple occurrences of ISN 'number' were detected in the DATA.
Action	Run the verify utility ADAVFY and contact your nearest support center.
EALCFGERR	Loading Configuration of Adabas Analytics failed
Explanation	Adabas Analytics detected an unrecoverable error and initiated the termination of the Adabas nucleus process.
Action	Restart the ealconfig configuration tool.
EALCONNABORT	Thread {id} lost the connection to the Analytics Server. Configured Action: ABORT
Explanation	Worker thread number <i>id</i> lost his connection to the Adabas Analytics Server and it was configured (ON_ERROR) to abort the nucleus.
Action	Start the Adabas Analytics Server and restart the database or change the configuration of this database.

EALCONNLOST	Thread {id} lost the connection to the Analytics Server
Explanation	Worker thread number <i>id</i> lost his connection to the Adabas Analytics Server and it was configured (ON_ERROR) to ignore this error.
Action	Restart the Adabas Analytics Server.
EAELEGERR	Creation of Adabas Analytics NUCELG file failed
Explanation	The NUCELG file could be created during startup.
Action	Check whether the file can be created, or if the NUCELG file location is valid.
EAEVENT	Problem sending Adabas Analytics event, returned code {error}
Explanation	Adabas Analytics detected an unexpected situation and generated a warning message in the nucleus log file. An error code is returned.
Action	Contact your nearest support center.
EALFILTER	Problem calling Adabas Analytics filter, returned code {error}
Explanation	Adabas Analytics detected an unexpected situation with the filtering of events and generated a warning message in the nucleus log file. An error code is returned.
Action	Contact your nearest support center.
EALFNR	File number 'fnr' out of range from Json element index 'no' of eventtypes.json
Explanation	The file number provided is out of range for the Json element index in the eventtype.json file.
Action	Enter a correct range specification (1-32000).
EALINIERR	Initialization of the Adabas Analytics failed, returned code {error}
Explanation	Adabas Analytics detected an unrecoverable error during initialization and initiated the termination of the Adabas nucleus process. An error code is returned.
Action	Contact your nearest support center.
EALINVCND	Invalid condition Json object for trigger area: 'triggerarea' from Json element index 'no' of eventtypes.json
Explanation	The provided trigger found in "condition" for the eventtypes.json file is invalid for the mentioned Json element index.
Action	Enter a valid trigger value.

EALINVEVTAREA Invalid event type area found in line 'number'

Explanation The event type area for the event type defined in the event types file at line 'number' is not valid.

Action Check the spelling of the event type definition.

EALINVEVTFIELD Invalid event type fieldlist found in line 'number'

Explanation One of the event type fields for the event type defined in the event types file at line 'number' is not valid.

Action Check the spelling of the event type definition.

EALINVEVTNAME Invalid event type name found in line 'number'

Explanation The event type field name for the event type defined in the event types file at line 'number' is not valid.

Action Check the spelling of the event type definition.

EALINVFIELD 'field' field is invalid for file 'fnr' from Json element index 'no' of eventtypes.json

Explanation The event type field provided in the output_fields is invalid for Json element index of the eventtypes.json file.

Action Enter a valid value.

EALINVFNR File number 'fnr' is invalid from Json element index 'no' of eventtypes.json

Explanation The file number provided in the Json element index in the eventtype.json file is invalid.

Action Enter a valid file number.

EALINVTRIGAREA Invalid trigger area 'triggerarea' from Json element index 'no' of eventtypes.json

Explanation The provided trigger found in the eventtypes.json file is invalid for the mentioned Json element index.

Action Enter a valid trigger value.

EALIOERR Adabas Analytics file operation failed

Explanation An event could not be stored in the NUCELG file. A file write operation error occurred.

Action Check the permissions and whether the file can be written.

EALMAXRETRY	Max retry count = {number} reached, disable Adabas Analytics
Explanation	The Adabas Analytics Server cannot be reached and the configured <i>number</i> of retries (parameter MAX_RETRIES) to connect again has been reached.
Action	Start the Adabas Analytics Server and restart Adabas.
EALSOCKFAIL	Thread {id} failed to create socket to Analytics Server
Explanation	During Adabas startup, the worker thread <i>id</i> could not create a socket connection to the Analytics Server. Depending on the configured 'ON_ERROR' action the nucleus terminates or tries to reconnect.
Action	Start the Analytics Server.
EFCERR	Empty field count of zero, RABN 'number', rp='hex-number'
Explanation	Internal record structure corrupted in DS RABN.
Action	Do one of the following: <ol style="list-style-type: none"> 1. Unload/export the file in physical sequence, decompress, compress and load/import it again (this will lose some data), or 2. Restore and regenerate file and contact your nearest support center.
ELEM	elementary field required
Explanation	A required elementary field has not been supplied.
Action	Correct the input line.
ELGDBIDMM	DBID mismatch, NUCELG file was created by a different dbid
Explanation	A mismatch occurred between the DBID parameter and the database ID of the assigned NUCELG file.
Action	Enter the correct database ID or exit the utility and assign correct NUCELG file.
ELNP	element not permitted
Explanation	This element type is not permitted in this context.
Action	Correct the input line.

ENAOBS	keyword ENABLED for parameter LOGGING has become obsolete
Explanation	The keywords allowed for the LOGGING parameter have changed. The parameter is set to "OFF" by Adabas. This yields the behaviour expected by the user when specifying ENABLED.
Action	Change your input scripts to avoid this warning.
ERASERR	deletion error
Explanation	An error occurred while deleting files during the reorder phase.
Action	Contact your nearest support center.
ERR1	Descriptor value too large
Explanation	You tried to define a descriptor value larger than the maximum supported descriptor value size, although the descriptor is defined without the TR option.
Action	Either redefine the descriptor with the TR option or change the descriptor value.
ERR2	invalid content for specified format
Explanation	The input file contains invalid data for the required format.
Action	Correct the input file or check the FDT.
ERR3	input record too short
Explanation	The input record is too short for the defined FDT.
Action	Correct the FDT or the input file.
ERR4	PE-count invalid
Explanation	For ADACMP: a user-supplied PE count (which was specified in the input record) is invalid. For ADADCU: a PE count is too big.
Action	For ADACMP: correct the input file. For ADADCU: increase the setting of the ADADCU parameter MUPE_C_L.
ERR5	MU-count invalid
Explanation	For ADACMP: a user-supplied MU count (which was specified in the input record) is invalid. For ADADCU: an MU count is too big.
Action	For ADACMP: correct the input file. For ADADCU: increase the setting of the ADADCU parameter MUPE_C_L.

ERR6	invalid ISN
Explanation	A user-supplied ISN is invalid.
Action	Correct the input file.
ERR8	internal buffer overflow
Explanation	An unexpected overflow of an internal buffer occurred.
Action	Contact your nearest support center.
ERR9	record larger than RABN size
Explanation	A compressed record is larger than the DATA block size for the specified file.
Action	Allocate a DATA extent with a larger block size.
ERR10	conversion/truncation error - source length 'number', destination
Explanation	A field has been truncated and this record has been omitted from the DCUOUT file.
Action	If a format buffer is being used, provide a length parameter for the field. If the standard FDT is being used, change the standard length, using ADADBM, and unload the file.
ERR11	Resulting record too large
Explanation	The decompressed record created by ADADCU is larger than the ADADCU parameter MAX_DECOMPRESSED_SIZE. The reason for the large record size may be: <ul style="list-style-type: none"> ■ Multiple fields or periodic groups with large MU or PE counts. ■ LOB values
Action	Increase the value of MAX_DECOMPRESSED_SIZE.
ERR13	compressed record's structure in error
Explanation	A record in the DATA file has an erroneous structure.
Action	Run the RECORD option of ADAVFY and send the output together with the unloaded file and an export copy of the file to your nearest support center.
ERR14	empty NC field detected and S-element missing in FB
Explanation	An NC-option field being decompressed by ADADCU was null, which is not permitted without the S-element of that field. This can happen if the NULL_VALUE option of ADAFDU is not used.
Action	Use the FIELD option of ADADCU and specify all NC-option fields together with their S-elements (for example: AAS,AA,BBS,BB, ...) or use the NULL_VALUE option of ADADCU.

ERR20	unique conflict with ISN 'number'
Explanation	Descriptor value found for more than one record.
Action	Check the conflicting ISNs.
ERR30	ISN outside file's boundaries
Explanation	An ISN provided with the input data exceeds the limit (MAXISN) in effect for the file.
Action	Use a different ISN or extend the file's Address Converter.
ERR31	ISN not in use
Explanation	The ISN to be deleted was not in use in the file's Address Converter.
Action	Check the ISNs supplied.
ERRASYNC	Asynchronuos 'action' operation on dataset 'dsname', RABN 'rabn' returned error 'err'
Explanation	An error occurred during an asynchronous I/O operation. <i>action</i> is the type of I/O operation; either 'read' or 'write'. <i>dsname</i> and <i>rabn</i> identify the container and RABN where the error occurred. <i>err</i> contains the error number and the textual description of the error (as returned by the operating system).
Action	Depending on the error type, check your I/O devices including the network (in case of remote access), the file system, the contents and/or permissions of the datasets.
ERRFIL	error response 'number'
Explanation	During auto restart, an error occurred in the file indicated in the subsequent message. The file's contents are destroyed.
Action	Rebuild the file using ADABCK RESTORE=file and ADAREC REGENERATE=file.
ERRIUP	Error response 'number' during index update
Explanation	While updating the index, an error resulted in a nucleus response code.
Action	Ensure that the correct BACKUP was restored; that the PLOGs were regenerated in the correct order; that the correct file was reloaded when reloading a file; that the nucleus was started with OPTIONS=UTILITIES_ONLY and that the correct utilities have been rerun.

ERRNOM	errno ('errno-number'): 'text'
Explanation	A system call aborted.
Action	See the subsequent 'errno' text and contact your nearest support center if necessary.
ERROR	Field = 'string', ISN = 'number', Offset = 'number'
Explanation	This message specifies field, ISN, and offset where the error occurred. A subsequent error description is displayed in a second line.
ERRRES	error response 'number' from record 'number' in block 'number' in
Explanation	While processing the protection log, an executed command resulted in a nucleus response code.
Action	Examine the block at the record number associated with the error response, e.g. a file may not have been restored, with ADABCK, with the correct dump. This results in the file being in a state different to that when the original command was executed.
ERRSYNC	System error ('errno-number'): 'text' occurred during semaphore operation
Explanation	An error occurred during semaphore operations. The reason is usually that IPC resources were not removed following the crash of another nucleus or utility process.
Action	Delete IPC resources with showipc -k and try again.
ERRUNX	Unexpected error 'number'
Explanation	Error in the Adabas code - an unexpected internal error number occurred.
Action	Report the error to your nearest support center, so that the Adabas development team can fix the error.
ETYPREMNOIFOUND	Event type to remove 'name' not found in the event types file
Explanation	Cannot remove event type because it was not found.
Action	Correct the name of the event type to be removed.
EXTBAL	external backup already prepared
Explanation	The external backup feature is already active, and the nucleus is in synchronization mode.
Action	Use the EXT_BACKUP=CONTINUE function if you want to continue processing.

EXTBNF	function not permitted during external backup
Explanation	The selected function conflicts with the initiated external backup mode, which can lead to the execution of some functions being denied.
Action	Wait until the external backup mode has terminated.
EXTBNO	external backup not prepared
Explanation	The external backup feature has not been started.
Action	Use the EXT_BACKUP=PREPARE function first.
EXTBNP	external backup not permitted
Explanation	The external backup cannot be initiated because it conflicts with an Adabas utility that has exclusively locked some resources.
Action	Ensure that no Adabas utility that performs updates is active when you want to initiate an external backup.
EXTENT	file 'number' ('name') has a 'number'th 'type'-extent
Explanation	This is a warning message that the given file is near the end of the maximum number of FCB extents permitted. Program execution continues normally.
Action	This file is a candidate for reorganizing later on (e.g. with ADAORD). In this case, allocate enough space for 'type' to avoid extending.
EXTERR	invalid RABN extent
Explanation	An invalid RABN extend has been found for a file.
Action	Search for lost RABNs with the LOST option of ADAVFY and recover them using the ADADBM utility.
EXTLOCK	Change not allowed, extent still locked
Explanation	It is not possible to change a sequential file which has the status "during creation" or a TEMP or SORT container which is locked.
Action	None.
FCAL	1st. character of field name must be alphabetic
Explanation	The first character of field name is not alphabetic.
Action	Correct the field name.

FCBDSLCK	file 'number's' data storage incomplete
Explanation	A utility has terminated while updating the Address Converter or the Data Storage, leaving the file in an inconsistent state.
Action	Use ADAULD to unload the file in physical sequence, then reload it using ADAMUP. It is, however, not generally possible to determine which records have already been added/deleted. Therefore, if a backup copy is available, the file should be restored and then regenerated if necessary.
FCBERR	Shutdown and retry to repair the FCB errors for file 'fnr'
Explanation	ADAVFY was executed while the nucleus was active. Some of the inconsistencies detected for file 'fnr' can be repaired.
Action	Shutdown nucleus and rerun ADAVFY.
FCBERRFX	FCB errors for file 'fnr' have been fixed
Explanation	All errors detected by ADAVFY could be repaired.
Action	None.
FCBEXE	File <number> has invalid <type> extent
Explanation	ADAVFY has detected that the file has invalid extent entries.
Action	Either restore the file from a backup, or, if the invalid extent is not a DS, you can unload the file in physical sequence and load it again as a new file.
FCBFDTL	File 'number' has invalid FDT length in file control block
Explanation	The file control block of the file is partially corrupted.
Action	Contact your nearest support center.
FCBFGT	unable to get file control block for file 'number'
Explanation	The file control block (FCB) for the specified file cannot be accessed.
Action	Contact your nearest support center.
FCBFLE	File 'number' has invalid file number in file control block
Explanation	FCB of file is partially corrupted.
Action	Unload/export the file in physical sequence and load/import it again.

FCBIFF	File 'number' has invalid FFISN
Explanation	FCB of file is partially corrupted.
Action	Unload/export the file in physical sequence and load/import it again.
FCBILI	File 'number' has invalid last used UI/NI offset
Explanation	FCB of file is partially corrupted.
Action	Unload/export the file in physical sequence and load/import it again.
FCBILU	File 'number' has invalid lu_ds ragn/offset
Explanation	FCB of file is partially corrupted.
Action	Unload/export the file in physical sequence and load/import it again.
FCBIMA	File 'number' has invalid MAXISN
Explanation	FCB of file is partially corrupted.
Action	Unload/export the file in physical sequence and load/import it again.
FCBIRC	Invalid DS reusage RABN count in file 'number'
Explanation	A RABN count in the FCB that is used for DS reusage, is invalid.
Action	With adadbm remove and re-add the space reusage flag for this file: adadbm db=xx reuse=nods, file=yy adadbm db=xx reuse=ds, file=yy
FCBIRO	File 'number' has invalid rotating isn/count
Explanation	A count in the FCB that is used for ISN reusage, is invalid.
Action	Use adadbm to remove and re-add the ISN reusage flag for this file: adadbm db=xx reuse=noisn, file=yy adadbm db=xx reuse=isn, file=yy
FCBNAC	file 'number's' index not accessible
Explanation	A utility has terminated abnormally while rebuilding the index, leaving the index in an inconsistent state. When using ADAREC, the index has been marked as not accessible due to an index response during regenerate.
Action	Use ADAINV to reinvert all descriptors or use ADAULD to unload the file in physical sequence and reload it using ADAMUP.

FCBRAN	File 'number' has index level out of range in file control block
Explanation	FCB of file is partially corrupted.
Action	Run adainv with option reinvert descriptor or all fields if message contained no descriptor and contact your nearest support center.
FCBRBF	File 'number' has invalid highest RABN in file control block
Explanation	FCB of file is partially corrupted.
Action	Run adainv with option reinvert descriptor or all fields if message contained no descriptor and contact your nearest support center.
FCTNFND	function 'name' not found
Explanation	While loading a user exit the requested function was not found in the accessed shared library.
Action	Check your environment variable pointing to the shared library and check the entry points within the shared library.
FDFILITL	FDT file line too long
Explanation	The FDT file contains a line that is more than 132 characters long.
Action	Correct the FDT file.
FDT...	(error text)
Explanation	(This explanation applies to all error messages beginning with the letters "FDT", except for those listed below). The FDT of the file to be verified is corrupted.
Action	Restore and regenerate file and contact your nearest support center.
FDTCHN	Field 'change' not allowed in field: 'field', option: 'option'
Explanation	Field change not allowed.
Action	Use only allowed field change options.
FDTDIF	number of fields present in both FDT differs
Explanation	A structural mismatch has been detected between the FDT contained on the sequential input file and the associated FDT in the database file to be updated.
Action	Check the assignments. The FDT keyword can be used to display both FDTs.

FDTL	FDT overflow, too many entries defined
Explanation	There are too many entries defined in the FDT.
Action	Decrease the number of entries in the FDT, or use a larger block size for ASSO1.
FDTMM	FDT mismatch at database field 'string'
Explanation	A mismatch at field `string' has been detected between the FDT contained on the sequential input file and the associated FDT in the database.
Action	Check the format, default length and options of the conflicting field. The FDT keyword can be used to display both FDTs.
FDTNOP	FDT mismatch and option NEW_FDT not set
Explanation	ADAMUP can add data to an empty file with a different FDT, but only if NEW_FDT has been specified.
Action	Run ADAMUP with the option NEW_FDT.
FDUSYN	Syntax error in FDT
Explanation	There is a syntax error in the FDUFDT file.
Action	Correct the FDUFDT file.
FECACR	file extent 'source' cannot be created (reason 'reason', error 'err')
Explanation	A new extent for an Adabas sequential file, e.g. PLOG, could not be created. The most probable reason is that there is not sufficient space available.
Action	If there is sufficient space available and it is not clear why the error occurred, contact your nearest support centre. Please note that the reason displayed in the error message can often only be understood with sufficient knowledge of Adabas internals.
FILEMP	High index RABN of file 'number', 'string' empty
Explanation	Index of file is not accessible.
Action	Run adainv with option reinvert descriptor or all fields if message contained no descriptor and contact your nearest support center.
FILN	FI only allowed if standard-length is given
Explanation	The FI option is only allowed if a non-zero standard length is given.
Action	Correct the input line.

FINU	FI and NU or NB are mutually exclusive
Explanation	The FI and NU or NB options are mutually exclusive.
Action	Correct the input line.
FIXOCC	specification of occurrences not allowed at this position
Explanation	A fixed occurrence count was specified for an MU field within a periodic group, but the periodic group does not have a fixed occurrence count.
Action	Correct the FDT by either removing the occurrence count from the MU field or setting an occurrence count for the periodic group element.
FKDRPCNST	Descriptor 's' is a foreign key, drop referential constraint first
Explanation	A descriptor must not be released as long as it is used in a referential constraint.
Action	Drop the referential constraint(s) first.
FLDERR	Field 'string' contains invalid data, RABN 'number', rp='hex-number',
Explanation	Specified field is corrupted.
Action	Unload/export the file in physical sequence, decompress, compress and load/import it again.
FLDFIL	FIELDS already specified, FILE not allowed any more
Explanation	The keyword FILE was specified after a format buffer had been entered. Because the format buffer refers to the file entered, it is not possible to change the file number.
Action	Leave ADACMP and then start it again in order to change the file number.
FLK	file 'file name' locked for another user
Explanation	The file could not be opened because another process, e.g. the Adabas nucleus, has locked the file.
Action	Try again after the other process has been terminated.
FMOVEPRL	'blocktype' block 'rabn' not contained in FCB of file 'number'
Explanation	The RABN found in the block type is not within the range of the FCB extent.
Action	<ol style="list-style-type: none"> 1. Unload/export the file in physical sequence. Then decompress, compress and load/import it again (note that some data might be lost because of an already-corrupted input file). Or 2. Restore and regenerate the file, and contact your nearest support center.

FMterr	Format invalid in FDT, run FCB option on file
Explanation	The FDT of the file to be verified is corrupted.
Action	Restore and regenerate file and contact your nearest support center.
FNIU	field name already in use
Explanation	The specified field name was already used.
Action	Correct the input line.
FNLOAD	file 'number' not loaded
Explanation	The file with the specified file number is not loaded in the database.
Action	Select another file or check the database.
FNNOTFND	field not found
Explanation	The field specified cannot be found in the FDT for this file.
Action	Check the field name or file number.
FNPGTP	function not permitted - global transactions pending
Explanation	The requested function cannot be performed because global transactions are still flagged on the WORK file.
Action	None.
FNRERR	Misuse of 'field'. 'field' cannot be used in combination with 'area' keyword
Explanation	The provided 'field' cannot be used with the value provided in 'area'.
Action	Either remove the 'field' or use correct 'area'.
FNRMDT	'field' is a mandatory parameter for 'area'
Explanation	'field' must be provided with the value mentioned in 'area'.
Action	Provide the 'field' parameter.
FNRNOT	File 'number' could not be created
Explanation	The file creation failed. There are other messages that explain the reason for this.
Action	This depends on the other messages that explain the reason for the error.

FONLYRAW	Function only supported with raw device
Explanation	The selected function is only possible if the database/file is located on a raw device.
Action	Do not use the selected function unless the database/file is on a raw device.
FREADTYPE	Failed to read event types from 'filename'
Explanation	An error occurred reading the event types file.
Action	Check the contents of the event types file for illegal characters and syntax.
FROMNOT	FROM checkpoint name not found in block 'number'
Explanation	The FROM checkpoint name was not found in the given block.
Action	Use the LIST=FULL function to print the checkpoint names with their associated block numbers and then rerun ADAREC.
FSSSEC	No more space in first sector for management entries
Explanation	The maximum number of allocatable files (container file extents or database sequential files) for the disk section has been reached, so no more such files can be created in the disk section.
Action	Either: 1) use an additional disk section, or 2) try to remove unused files in the current section. Use the ADADEV LAYOUT function to get a list of the files in the section. Use ADADEV DEALLOCATE to remove unused files from the section.
FSTMAX	invalid FST count 'number' - FST entries ignored
Explanation	The free space table contains an unexpected high number of entries. These entries cannot be displayed by the layout function.
Action	Call ADAREP FREE_SPACE and validate the result.
FTOOBIG	File too big
Explanation	Because the record buffer size is limited to 2 gigabytes, it is not possible to read a file with a size of 2 gigabytes or more into a record buffer.
Action	Specify a smaller file.
FUN	function not permitted on system file
Explanation	Because system files are used internally by the nucleus and other utilities, certain characteristics must not be changed.
Action	None.

FUNONL	function not permitted on system file while nucleus is active
Explanation	Some functions on system files are not allowed while nucleus is active.
Action	Shutdown the nucleus and try again.
GCBAFL	files loaded = 'number', GCB's actual number of files value = 'number'
Explanation	The actual number of files loaded differs from the file count stored in the general control block (GCB).
Action	Run the LOST, FILES=*, INDEX and DATA options of ADAVFY. Contact your nearest support center, giving an exact description of the utilities and functions that caused this error.
GCBFCB	General control block's first file control block RABN is invalid, expected 'number', actual 'number'
Explanation	The GCB of database is corrupted.
Action	Restore and regenerate the database.
GCBFDT	General control block's first file definition table RABN is invalid, expected 'number', actual 'number'
Explanation	The GCB of database is corrupted.
Action	Restore and regenerate the database.
GCBINUSE	GCB is in use
Explanation	The shared memory for the general control block of the current database is in use, although this is not expected.
Action	If the shared memory for the GCB is still in use by another utility or the nucleus, try again after that utility or the nucleus has finished processing. If the GCB was not deallocated because of an abnormal termination of a utility or the nucleus, deallocate all IPC resources that are no longer in use with SHOWIPC.
GCBMAX	Maximum files in entire database cannot be zero
Explanation	The GCB of the database is corrupted.
Action	Restore and regenerate the database.

GCBOVFL	extent overflow in GCB
Explanation	Too many container files are defined.
Action	Try to reduce the number of container files by creating larger new ones.
GCBSYS	Duplicated system file number in GCB
Explanation	The GCB of database is corrupted.
Action	Restore and regenerate the database.
GCBWERR	Error when writing GCB
Explanation	An I/O error has occurred if writing the GCB block.
Action	Check the ASSO1 device for permissions and accessibility.
GRNDES	group or PE group may not be a descriptor
Explanation	A group or PE group cannot be used to create a descriptor.
Action	Enter the name of an elementary or multiple-value field.
GRPINX	index missing for periodic group
Explanation	A periodic group element requires an index between 1 - 99.
Action	Correct the input line.
GRPLN	length not permitted with periodic group or group
Explanation	A length element may not be supplied after a group or periodic group.
Action	Correct the input line.
GRPVM	group contains variable length or MU field
Explanation	A group containing a variable length or MU field may not be decompressed.
Action	Use the name of an elementary field.
HEURB	database 'number' heuristically rolled back a global transaction time 'string'
Explanation	A global transaction, which has been in the state 'pending' for a long time, has been rolled back by Adabas without interaction with the transaction monitor (a so-called heuristic termination). This may be caused by: <ul style="list-style-type: none"> ■ a utility call that forces the users to synchronize at ET status, or ■ not enough space in the 2PC part of the WORK. In this case, the message PLOVFL is also displayed.

Action	<p>During a running nucleus: Increase the size of the WORK container for the next nucleus session if this warning message is received several times.</p> <p>During an Autostart: Restore the database with ADABCK, and execute the ADAREC regenerate function to reapply all the updates.</p> <p>During a regenerate function: Increase the size of the WORK container and rerun the regenerate.</p>
HEURC	database 'number' heuristically committed a global transaction time 'string'
Explanation	<p>A global transaction, which has been in the state 'pending' for a long time, has been committed by Adabas without interaction with the transaction monitor (a so-called heuristic termination). This may be caused by:</p> <ul style="list-style-type: none"> ■ a utility call that forces the users to synchronize at ET status, or ■ not enough space in the 2PC part of the WORK. In this case, the message PLOVFL is also displayed.
Action	<p>During a running nucleus: Increase the size of the WORK container for the next nucleus session if this warning message is received several times.</p> <p>During an Autostart: Restore the database with ADABCK, and execute the ADAREC regenerate function to reapply all the updates.</p> <p>During a regenerate function: Increase the size of the WORK container and rerun the regenerate.</p>
HFNFD	help file not found
Explanation	If online help feature is requested, Adabas cannot find the help file.
Action	Check for the existence of 'adahlp.eng' in \$ADAPROGDIR (%ADAPROGDIR% if you are running on a PC).
HFNOP	open error on help file
Explanation	The online help file could not be opened.
Action	Check to see whether the help file adahlp.eng exists. If it exists, check its permission levels.

HILIMRE	High limit of 'string' extents reached, max = 'number'
Explanation	The maximum number of supported container files is already reached for container type 'string'. No more containers can be added.
Action	Try to reorganize the database to get free space. Check if you can combine more small containers to one larger.
HILIMTO	High limit of total extents reached
Explanation	The total amount of physical extents in the database has reached its maximum.
Action	Try to reorganize the database to get free space. Check if you can combine several small containers into one larger.
HYERR	HYPER EXIT 'number', descriptor 'name', file 'number', reason='number'
Explanation	The following reason was reported during the initialization of a hyperexit. A reason in the range 1-255 is an Adabas response code. A reason greater than 255 is a user-defined value.
Action	Correct the hyperexit.
HYNA	HYPER-descriptor not allowed
Explanation	A hyperdescriptor may not be used to control the sequence in which a file's data records are exported.
Action	Check the field name.
HYUEXERR	error response 'number' returned by HYPER-descriptor generation
Explanation	The specified error response was returned by the hyperexit or the hyperexit returned invalid data for the requested format, e.g. invalid packed/unpacked.
Action	Correct the hyperexit.
IBPERR	Internal buffer pool error func: 'string' rc: 'string'
Explanation	An internal error occurred in the buffer pool management.
Action	Contact your nearest support center.
ICKW	invalid combination of keywords
Explanation	An invalid combination of keywords was detected.
Action	Correct the input line.

IDOP	unknown option
Explanation	The option specified is unknown.
Action	Correct the input line.
IFSD	illegal format in SUB/SUPER-descriptor
Explanation	The specified format is not allowed for a sub/superdescriptor.
Action	Correct the input line.
ILLLOG	Illegal log number detected, present 'number', expected 'number'
Explanation	A PLOG with an invalid number was specified when reading several PLOG files.
Action	Specify the correct PLOG number.
ILLSUB	Illegal subsequent 'medium' detected, present 'number', expected 'number'
Explanation	An invalid sequential file was specified. The message displays the sequence number detected together with the required one. This message can occur if using multiple tapes.
Action	Supply a file with a correct sequence number.
INBLN	invalid blank element
Explanation	The blank element supplied is invalid.
Action	Correct the input line.
INCL	incomplete line
Explanation	This line is incomplete.
Action	Correct the input line.
INEDM	invalid edit mask
Explanation	The edit mask supplied is invalid.
Action	Correct the input line.
INFM	unknown format
Explanation	The specified format is unknown.
Action	Correct the format.

INFN	field name incorrect
Explanation	The specified field name is invalid.
Action	Correct the field name.
INICF	user exit init call failed with 'response code'
Explanation	The init call of the user exit displayed in the previous message did not return ADA_NORMAL.
Action	Check your user exit for the init part. Check if it returns with a response code.
INISEC	first sector corrupted or not initialized
Explanation	This message is normal if the first disk section is not initialized.
Action	Contact your nearest support center if you do not have an explanation for this behavior.
INITERR	database 'number', error during session initialization
Explanation	An internal error occurred during session initialization.
Action	See the subsequent error message.
INLE	invalid field length
Explanation	The length of the specified field is invalid.
Action	Correct the field length.
INLIT	invalid literal element
Explanation	The literal element supplied is invalid.
Action	Correct the input line.
INPERR	system error on reading input
Explanation	The utility cannot read from the input.
Action	Check the input file if input redirection is being used.
INTERR	internal error 'number' occurred
Explanation	An internal error occurred.
Action	Contact your nearest support center.

INUSE	file in use
Explanation	The required file cannot be locked because it is currently in use.
Action	Wait until this file is available or stop the users currently using this file.
INVBP	function BREAKPOINT invalid for given DATASET
Explanation	ADAPLP's BREAKPOINT function is only valid for DATASET=WORK.
Action	None.
INVBS	Invalid ADABAS block size 'number'
Explanation	Only the block sizes 1 kilobyte, 2 kilobytes, ..., 32 kilobytes are permitted. For LOB files there are the following restrictions: <ul style="list-style-type: none">■ For Data Storage, only the block size 32 kilobytes is allowed.■ For NI and UI, only block sizes < 16 kilobytes are allowed.
Action	Correct the block size.
INVCHARS	invalid character set
Explanation	An invalid character set was specified.
Action	Correct the character set name.
INVCHN	Invalid container change for current disk section
Explanation	One of the specified container extents was not in the current disk section.
Action	Use ADAREP's LAYOUT function to obtain more detailed information.
INVCLOGLAYOUT	Invalid command log layout type used
Explanation	An invalid command log layout has been used.
Action	Please refer to how to use the <i>prilogc</i> utility.
INVENV	invalid environment variable
Explanation	A required environment variable has an invalid content.
Action	Check the environment variable.

INVEXT	Extent number 'number' exceeds maximum (255) of structure level
Explanation	The extent number you specified exceeds the maximum number of extents available for this structure level of the disk section. The maximum available for structure level 1 and 2 is 255 extents.
Action	To have more than 255 extents you have to use a structure level 3 disk section, which is created using the INITIALIZE function of the Version 3.1 ADADEV. This message can appear if you created your database with a pre-Version 3.1 version of Adabas and you now want to take advantage of the increased maximum extents offered by Version 3.1. Before you can use this Version 3.1 feature, the disk section has to be re-initialized. This involves also moving all existing container files and database sequential files from the disk section to a temporary location (using Version 3.1 ADADEV MOVE), then resetting the disk section (with Version 3.1 ADADEV RESET), then initializing (with Version 3.1 ADADEV INITIALIZE). Then you can move the container files and database sequential files back into the disk section.
INVFDT	invalid FDT for system file
Explanation	While loading an Adabas system file, an FDT is supplied that is unexpected by Adabas.
Action	Use the FDT that is supported by Adabas.
INVFILE	invalid file-structure for ADABAS
Explanation	An invalid structure of a PLOG block was detected.
Action	Call your nearest support center.
INVKEY	invalid keyword
Explanation	The specified keyword is invalid.
Action	Correct the input line.
INVPE	Invalid PE-descriptor index
Explanation	The index following a PE descriptor name is invalid.
Action	Specify a number between 1 and 99.
INVPLN	block 'number' contains invalid PLOG number 'number'
Explanation	There is a mismatch between the user-supplied protection log number and the protection-log number found in the block `number'.
Action	Supply the correct protection log or correct the protection-log number.

INVPV	invalid parameter-value
Explanation	The specified parameter value is invalid.
Action	Correct the input.
INVSEC	Invalid disk section name
Explanation	An invalid disk-section name was specified.
Action	Correct the disk-section name.
INX...	(error text)
Explanation	The index of the file to be verified is corrupted.
Action	Run <code>adainv</code> with option <code>reinvert</code> descriptor or all fields if message contained no descriptor and contact your nearest support center.
IOCFTB	Container file too big
Explanation	The specified size for a container file is too large.
Action	Correct the value of the <code>SIZE</code> parameter.
IODERR	Data error on external file 'file-name' detected
Explanation	When reading an external file (e.g. <code>CMPIN</code> with <code>ADACMP</code>), an unexpected file structure was detected.
Action	Check the settings of the <code>RECORD_STRUCTURE</code> and <code>MAX_DECOMPRESSED_SIZE</code> parameters and check the file's contents.
IOERROR	IO-error on dataset 'string', RABN 'number'
Explanation	An I/O error occurred (probably due to a bad block).
Action	Check the system error log file to determine whether a hardware problem has occurred.
IOSUBERR	IO subsystem error ('number'/'number'): 'text'
Explanation	An error occurred in the IO subsystem of Adabas. The numbers contain an internal error identification, and the text contains a short description of the error.
Action	The action depends on the short description of the error. For example, the error "Buffer too small for read" may be caused by using a <code>CMPIN</code> file that contains data incompatible with the <code>FDT</code> or with the <code>ADACMP FIELDS</code> , <code>RECORD_STRUCTURE</code> or <code>SOURCE_ARCHITECTURE</code> parameters specified. Then, some user data can be interpreted as record length, and a value larger than the length of the IO buffer used in <code>ADACMP</code> may occur. In this case, using the correct <code>FDT</code> or <code>ADACMP FIELDS</code> , <code>RECORD_STRUCTURE</code> or <code>SOURCE_ARCHITECTURE</code> parameters solves the problem.

If the short description doesn't help you to solve the problem, contact your nearest support center with details about the running utility, the environment, the disk configuration and the numbers given in the message.

IOT	I/O time measuring enabled / disabled
Explanation	I/O time measuring has been enabled/disabled.
Action	None.
IOTRES	I/O time measuring information reset
Explanation	I/O time measuring information has been reset.
Action	None.
IRABN	Dataset = 'string', RABN 'number' invalid or non-existing
Explanation	The specified RABN does not exist and cannot be printed.
Action	Check the RABN.
IRABNVAL	two index RABN values must specify both small and large blocks
Explanation	Specifying two index RABN values is only allowed if one of them has a block size <16 K and the other >=16 K.
Action	Specify both small and large blocks.
IRANGE	invalid range specified
Explanation	The values in the range specification are not in ascending order.
Action	Enter a correct range specification.
IREC	invalid record detected
Explanation	An invalid record was detected when processing a backup/export copy. This can result from a bad input tape or a backup/export copy which was not created successfully.
Action	Try to process the previous backup copy. If the error was caused by an unreliable tape drive, run the ADABCK READ_CHECK option after each dump to check whether the backup copy created can be read by the RESTORE function.

IRECL	invalid record length
Explanation	The record length must be a multiple of four for DATA_FORMAT=BINARY.
Action	Check the input file.
IRECSZ	Invalid record length 'number' found, RABN 'number', rp='hex-number'
Explanation	Data in RABN/ISN is corrupted.
Action	Do one of the following: <ul style="list-style-type: none">■ Unload/export the file in physical sequence, decompress, compress and load/import it again (some data might be lost), or■ Restore and regenerate the file and contact your nearest support center.
IREMUQ	SET_UQ abort, resetting UQ on all repeated descriptors
Explanation	The ADAINV SET_UQ function was aborted because duplicate values were detected, therefore the unique status was not set on all of the requested descriptors.
Action	The unique status can only be set after the uniqueness conflicts have been removed. If you run the ADAINV SET_UQ function with option UQ_CONFLICT=RESET, you will get the INVERR file describing all uniqueness conflicts.
ISAINI	Disk section 'string' has already been initialized
Explanation	A disk section can only be initialized once.
Action	Reset the disk section before re-initializing it.
ISDESC	field has already descriptor status
Explanation	The field to be inverted already has descriptor status.
Action	Check the file number or field name.
ISNINUSE	ISN 'number' in use in file 'number'
Explanation	The specified ISN is in use in the specified file.
Action	Ensure that the correct BACKUP was restored; that the PLOGs were regenerated in the correct order; that the correct file was reloaded when reloading a file; that the nucleus was started with OPTIONS = UTILITIES_ONLY and that the correct utilities have been rerun.

ISNNLS	USER_ISN not allowed if NEWLINE_SEPARATOR keyword selected
Explanation	If NEWLINE_SEPARATOR is specified, ADACMP only expects data of type alpha or unpacked because binary data like USER_ISN could contain the newline byte.
Action	None.
ISNUSED	ISN already in use
Explanation	When adding records to a file by USERISN, a duplicated ISN was detected. Duplicated ISNs may occur if the input file was created by ADAULD using a descriptor defined with the MU option to control the unloading sequence or when adding records to a non-empty file.
Action	Investigate the use of the USERISN option.
KCONAL	keyword combination not allowed
Explanation	The supplied keyword combination is invalid.
Action	Correct the input parameters.
KEYPOS	keyword not allowed in this position
Explanation	This keyword is not allowed in this context.
Action	Enter a correct keyword.
KEYREQ	keyword 'string' required
Explanation	The keyword displayed in the error message is required.
Action	Enter the required keyword or exit the utility.
LABLINV	Last raw section block invalid
Explanation	With previous Adabas releases, it was possible for one more block to be allocated in a raw section than was actually available. This message indicates that this has happened.
Action	If the error is displayed for a database container, create a database backup. As long as the last block has not yet been used, the backup can be created without errors. Then deallocate the database containers, recreate the database, and restore the backup. If creating the backup failed because the last block was already in use, delete the database, recreate the database, restore the database from the last successfully created backup, and recover all updates made since the time when the backup was created. If the error is displayed for a sequential file, the last block of the sequential file is usually no longer readable. Take care to ensure that the sequential file is no longer required, for example, if it is a PLOG, create a new backup. Then deallocate the sequential file.

LBPLIC	Parameter LBP restricted by licensing, original LBP='number', now LBP='number'
Explanation	The requested buffer pool size is greater than allowed by the license. The database is started with the maximum allowed LBP.
Action	To avoid this message, reduce the LBP parameter to the given value or upgrade your license.
LBPINCW	LBP too small for incore WORK, required: 'number'
Explanation	Using a readonly database without a WORK container, all the required space will be used in the buffer pool, but the size is not sufficient.
Action	Increase LBP by the number displayed in the message and restart the nucleus. Refer to the Administration Manual for more information.
LBPRED	parameter LBP reduced to 'size'M
Explanation	The size of the LBP parameter was reduced during nucleus startup because not enough memory is available.
Action	Increase the amount of system memory.
LCCINV	The checksum in the license file ('filename') is invalid
Explanation	The license file was modified.
Action	Use an original license file.
LCEINT	Internal error in licensing
Explanation	An internal error occurred during license file processing.
Action	Contact your nearest support center.
LCLEXP	The license in the license file ('filename') has expired
Explanation	Adabas cannot be used any more with the given license file.
Action	Get a new license.
LCMISM	The product version ('string') and the license file version ('string') don't match
Explanation	You specified a license file for another version.
Action	Use the correct license file for the given version.

LCMFIL	The license file ('filename') is missing
Explanation	The license file should be located in Install directory/common/LKey.
Action	Copy the license file to its correct location.
LCSAGE	Error determining '\$string', loading of license file failed
Explanation	The license file could not be located.
Action	Check if the given environment variable is set to its correct value, or copy the license file to Install directory/common/LKey.
LDERR	image 'string', file 'string' could not be loaded
Explanation	The image file could not be loaded into memory.
Action	See the subsequent error message.
LELE	FDT's last field must be an elementary field
Explanation	FDT's last field must be an elementary field or an MU field.
Action	Correct the input parameters.
LESSHW	less than corresponding high water mark
Explanation	The current highwater value of the modified nucleus parameter is greater than the new parameter value. This means that the highwater percentage of the highwater display becomes more than 100%, so it is possible that not all past applications can be re-run.
LOBDESC	LOB field 'string' cannot be used as descriptor
Explanation	The storage of descriptor values in a LOB file is not supported. For this reason, an ADAINV INVERT is rejected if the field to be inverted or a parent field of a derived descriptor to be created has the LA or LB option, and values are stored in the LOB file. Note that LA or LB fields can be descriptors or parent fields of derived descriptors, but then all values are stored in the base file, the field length is restricted to 16KB -3, and each record must fit into one DATA container block.
Action	Do not use this field as descriptor or parent of a derived descriptor.
LOBFNEMP	LOB file 'LOB file number' of base file 'base file number' not empty
Explanation	Drop LOB file for a base file is not permitted if the LOB file is not empty.
Action	Remove all LOB values in the file first.

LOBFNP	Function not permitted on LOB file
Explanation	Some utility functions, in particular those that modify the FDT, are not permitted on LOB files.
Action	None.
LOBFNTCR	LOB file for file <nr> could not be created
Explanation	The LOB file for a base file could not be created, for example because not enough ASSO or DATA space was available (see preceding error message). Note that the base file is OK, but that you cannot store LOB data in the file.
Action	Remove the reason why creating the LOB file failed, for example increase the size of the database, then create the LOB file with ADAFDU ADD_LOBFILE or with the DBA workbench.
LOBLENER	ISN 'isn' with LOB ID 'lob_id' detected wrong LOB length
Explanation	Same ISN and LOB ID, but different length.
Action	Contact your system administrator.
LOBREFER	ISN 'isn' with LOB ID 'lob_id' missing in 'fnr' file
Explanation	LOB references found do not match between the base file and the LOB file.
Action	Contact your system administrator.
LOCNAME	Invalid collation locale 'string'
Explanation	The specified locale is not valid.
	Note: To ensure compatibility with earlier versions, Adabas still uses ICU 3.2 on Unix and Windows. Therefore, locales introduced in newer versions of ICU will be rejected.
Action	Use a valid locale.
LOCNUC	Server required on local node
Explanation	ADABCK's DUMP online or ADAOPR functions can only be performed on the node where the nucleus is running.
Action	ADABCK: run ADABCK and the nucleus on the same node or take down ADANUC. ADAOPR: run ADAOPR and the nucleus on the same node.

LOSERR	lost RABNs verification errors, 'number' found
Explanation	Some lost blocks are in the database.
Action	Use ADADBAM RECOVER to add these blocks to the free space table.
LOSTNI	'number' NI blocks lost
Explanation	If ADAINV terminates abnormally, it can happen that a file's index tree is consistent, but the reuse queue containing all NI blocks that can be reused by the nucleus is not up to date, and there are NI blocks that are neither in the index structure nor in the reuse chain.
Action	If you want to reuse the lost blocks, you must run ADAINV REINVERT ALL_FIELDS. It will also help if you export and import the file with ADAORD or ADAULD/ADAMUP.
LOSTUI	'number' UI/MI blocks lost
Explanation	If ADAINV terminates abnormally, it can happen that a file's index tree is consistent, but the reuse queue containing all UI/MI blocks that can be reused by the nucleus is not up to date, and there are UI/MI blocks that are neither in the index structure nor in the reuse chain.
Action	If you want to reuse the lost blocks, you must run ADAINV REINVERT ALL_FIELDS. It will also help if you export and import the file with ADAORD or ADAULD/ADAMUP.
LTOOL	input line too long
Explanation	The utility input-line contains too many characters.
Action	Shorten the input or open a subsequent line with a backslash at the end of the line.
LVOR	level number out of range
Explanation	The given level number is not in the range from 1 to 7.
Action	Correct the input line.
LWPLIC	Parameter LWP restricted by licensing, original LWP='number', now LWP='number'
Explanation	The requested Work Pool size is greater than allowed by the license. The database is started with the maximum allowed LWP.
Action	To avoid this message, reduce the LWP parameter to the given value or upgrade your license.

LWPTSM	nucleus LWP must be at least 'number' actual files 'af'
Explanation	During ADADBMs recover function, the LWP parameter of the nucleus was not sufficient.
Action	To get this function working, the nucleus must be restarted with LWP greater/equal 'number'.
M1MU	SUPER-descriptor may only contain 1 MU-field
Explanation	No more than one MU field may be specified in a superdescriptor definition.
Action	Correct the input line.
MANPARAM	Mandatory parameter 'name' missing for command 'command'
Explanation	A mandatory parameter is missing.
Action	Specify all parameters for the command.
MAXDOVL	overflow on maximum descriptors permitted
Explanation	The maximum number of descriptors permitted for a file has been exceeded.
Action	Reduce the number of descriptors.
MAXISN	the file's top ISN 'number' is greater than the specified MAXISN
Explanation	A new maximum ISN which is less than the file's top ISN has been specified. This will cause ADAORD to abort if an ISN greater than the new maximum ISN is found.
Action	Check the specified maximum ISN.
MDBID	DBID may be specified only once
Explanation	User tried to re-enter DBID.
Action	None.
MDEFU	database already given, DBID / BACKUP_COPY may be specified only once
Explanation	DBID and BACKUP_COPY are mutually exclusive, therefore only one can be selected.
Action	Correct the input parameters.

MDVTREC	missing descriptor value table records
Explanation	The input file supplied containing the descriptor value tables (DVTs) is incomplete.
Action	Supply the correct input file.
MEMMAP	memory mapping failed ('string')
Explanation	An error occurred while building up the connection to the Adabas IPC driver.
Action	Check the error text given. It comes from the operating system. Try to fix the operating system problem. If this does not work, contact your nearest support center.
MFLD	FIELDS may be specified only once
Explanation	The parameter FIELDS may be specified only once.
Action	Continue with other parameter settings.
MISDATA	no corresponding data records
Explanation	An entry (descriptor value + ISN) is found in the index, but no record with such an ISN exists in the data storage or the corresponding data record does not contain this value.
Action	Dump the file with ADABCK and send it to your nearest support center together with a description of the actions that caused the error. Then reinvert the corrupted descriptor using ADAINV or unload and refresh the file and add the data with ADAMUP.
MISINDEX	no corresponding index entries
Explanation	No entry (descriptor value + ISN) is found in the index for a data record.
Action	Dump the file with ADABCK and send it to your nearest support center together with a description of the actions that caused the error. Then reinvert the corrupted descriptor using ADAINV or unload and refresh the file and add the data with ADAMUP.
MISLIC	License file not found - Restrictions for Community Edition apply.
Explanation	Started without a valid license file.
Action	If you want to use Adabas commercially, please use a valid Adabas license file.
MISSPAR	missing mandatory parameter 'string'
Explanation	The parameter displayed in the error message is required to execute the function. If the message is displayed for more than one parameter, one of the parameters displayed is required.
Action	Enter the missing parameter.

MNPF	too many parent-fields defined
Explanation	A superdescriptor cannot contain more than 20 elements.
Action	Correct the input line.
MNTAB	Error during processing mount table
Explanation	An unexpected error occurred while processing the mount table.
Action	Contact your nearest support center. You can continue by switching off the mount-table check with NOMOUNTCHECK, but make sure that the disk section does not overlap the file system.
MOUNT	Disk section 'string' overlaps with a mounted one
Explanation	Disk sections which overlap with mounted file system must not be initialized.
Action	None.
MPGDTAE	GDT access error by adanuc/adadmn, reason: 'string'
Explanation	The ENTIRE NET-WORK Global Database Table could not be accessed.
Action	Check the error text given. It comes from the operating system. Try to fix the operating system problem. If this does not work, contact your nearest support center.
MPGDTPE	GDT refuses startup permission of database 'number'
Explanation	The ENTIRE NET-WORK Global Database Table could not be accessed.
Action	Check if the GDT contains data. If not, remove it via showipc -k 0 and retry. If this does not help, contact your nearest support center.
MSGGET	Message queue could not be created
Explanation	Adabas could not create a semaphore. The reason for this may be that not enough IPC resources are provided by the operating system. In particular, the operating system parameter MSGMNI or other parameters beginning with "SEM" may be too small. Refer to the <i>Installation</i> document for more information.
Action	Adapt the operating system parameters.
MSGNF	Message queue with ID 'id' no longer available
Explanation	This error can occur if somebody, by mistake, removes a message queue created by the Adabas nucleus. When this message occurs, an Adabas client program may get an unexpected Adabas response code 148, and response code 153 for subsequent calls.
Action	Refer to the description of the response code 148 for further information.

MULTDEF	database already specified, CSA may be specified only once
Explanation	DBID and CSA are mutually exclusive. Multiple CSAs are also not supported.
Action	Ensure that DBID and CSA are not both specified, or that only one CSA is specified.
MUPG	MU field within periodic group required
Explanation	Field name supplied is not that of an MU field or within a periodic group.
Action	Correct the input line.
NABOBS	parameter NAB has become obsolete - please use LAB instead
Explanation	The parameter NAB has been replaced by parameter LAB.
Action	Remove NAB from the parameter list. Add LAB=value, where value is the NAB value multiplied by 4096.
NCLIC	Parameter NC restricted by licensing, original NC='number', now NC='number'
Explanation	The requested Command Queue size is greater than allowed by the license. The database is started with the maximum allowed NC.
Action	To avoid this message, reduce the NC parameter to the given value or upgrade your license.
NCLSERR	PLOG close error, return code 'number'
Explanation	The protection log file could not be closed.
Action	Close the protection log file via ADAREC CLOSE. Check the file using ADAREC LIST=FULL. If this reports errors, do a database backup (ADABCK DUMP=*).
NCMUT	NC and 'string' are mutually exclusive
Explanation	The NC option cannot be specified with the option 'string'.
Action	Correct the options.
NCPE	NC option not permitted in PE group
Explanation	Fields within a periodic group must not have the NC option.
Action	Check FDT specification.

NCRQ	NC option required
Explanation	The NN option is only permitted with the NC option.
Action	Specify the NC option.
NEMAFP	not enough memory available for process
Explanation	The utility cannot start because the memory it requires was not supplied by the operating system. Either too many processes are currently active on the system, or the swap space was configured too small.
Action	Check the swap space or number of active processes.
NETREPLY	NET-WORK cannot be reached for posting of reply
Explanation	The error probably occurred because the environment variables required for NET-WORK are not set or are incorrect.
Action	Set the NET-WORK environment variables correctly.
NETWORKB	The network is busy.
Explanation	Access to a file stored on a network device is currently not available because of network problems. If the problem persists for more than one minute, the utility or nucleus stops with the the error message STP054.
Action	Check your network if the problem occurs frequently.
NEWCERR	Error when adding a new 'string' container
Explanation	An unexpected error occurred if adding a container.
Action	Check the device and the environment variable the new container has to be located.
NEWFDTNE	NEW_FDT only allowed for empty files
Explanation	The keyword NEW_FDT for ADAMUP is only allowed for empty files.
Action	Run ADADBAM REFRESH for the file to remove all data from that file before you rerun ADAMUP with the keyword NEW_FDT.
NEWPAT	Auto restart is pending, start with new patch level not allowed
Explanation	New patch level nucleus could only be started without auto restart.
Action	Start the nucleus with the old version. Shut down the nucleus and then use the new patch level.

NFSTSPACE	Allocation failed for 'type' of file 'number'
Explanation	No more space in Free Space Table.
Action	Enlarge the space for 'type' or restart the utility with appropriate parameters.
NIEXTOVL	normal index's extent overflowed
Explanation	The file's normal index extent is too fragmented, the index remains inaccessible.
Action	Unload and refresh the file, allocate larger extents and add the unloaded data with ADAMUP.
NO2BYTEISN	two byte ISN no longer supported
Explanation	The export copy from Adabas Version 3 contains a file defined with ISNSIZE=2. This cannot be imported into an Adabas Version 5 database.
Action	Copy the file from Adabas Version 3 to Adabas Version 5 with the utilities ADABCK or ADAULD and ADAMUP.
NOABB	no abbreviation allowed for this keyword
Explanation	This keyword must not be abbreviated.
Action	Enter the non-abbreviated keyword.
NOBLKGE	not enough 'type' blocks greater-equal 'number' bytes found for file 'number'
Explanation	If the RABNs have not been specified, ADAORD only allocates from devices with a block size that is greater than or equal to the smallest block size used in the original file. Not enough blocks of this block size are available.
Action	Add a new ASSO/DATA container with the appropriate block size or place the file with the xxRABN parameters on a device with a smaller block size.
NOBLKLT	not enough ASSO blocks less than 16384 bytes found for file 'number'
Explanation	Adabas makes a distinction between small and large ASSO blocks. This message indicates that not enough small ASSO blocks with a block size of less than 16 KB are available.
Action	Add a new ASSO container with the appropriate block size, or extend the last ASSO container if it has a block size of less than 16 KB.

NOBLKPOS	Not enough blocks or wrong block size at specified position
Explanation	There is not enough space or a wrong block size at the specified RABN position.
Action	Correct or omit the positioning parameter and rerun ADAORD.
NOCONTALL	contiguous allocation not possible
Explanation	The DSST is too fragmented, all available extents are exhausted.
Action	Check the layout of the database.
NOCPDB	checkpoint file 'number' not loaded
Explanation	The database contains no checkpoint file and is only accessible in offline mode.
Action	None.
NOCPF	no checkpoint-file loaded
Explanation	An attempt was made to run the nucleus without a checkpoint file having been loaded.
Action	Load the checkpoint file.
NODB	No Database given, DBID or CSA required
Explanation	An attempt was made to execute a function without the database being specified.
Action	Specify the DBID.
NODBBCK	no Database given, DBID or BACKUP_COPY required
Explanation	An attempt was made to execute a function without having specified a database.
Action	Specify the DBID or BACKUP_COPY or EXPORT_COPY.
NODCUFDT	could not write DCUFDT field definitions file
Explanation	An I/O error occurred while writing the DCUFDT output file.
Action	None.
NODESC	no descriptors present
Explanation	The file specified with the RELEASE or VERIFY function has no descriptors defined.
Action	Check the file number.

NODEVSP	No space left on device 'string' for 'string'
Explanation	The current file cannot be written because the file system became full.
Action	Check the space on the given file system.
NODS	no DATASET specified
Explanation	A RABN was entered before specifying a data set.
Action	Specify a data set.
NODSS	missing descriptor space summary
Explanation	The input file supplied containing the compressed data records is incomplete.
Action	Supply the correct data set.
NOEND	no terminator found during AUTORESTART
Explanation	The Autorestart cannot be executed properly due to an error in the protection log area in the WORK data set.
Action	Save WORK1 and send it to your nearest support center together with a description of what caused the pending autorestart and, if possible, the dump directory and the PLOG. Then restore and regenerate the database.
NOETD	no USER data file loaded
Explanation	The required USER data file was not available at nucleus startup.
Action	Load the USER data file with ADAFDU with the proper file number (see ADAREP SUMMARY). If you do not have the FDT, then generate a small database with ADAFRM and extract the FDT from that USER data file.
NOFD	no Field-Definitions given
Explanation	No field definitions have been entered.
Action	Provide the field definitions.
NOFIAV	No files available
Explanation	No files are present in the database or the SAM file with the specified range/list specification. Please note that LOB files which are specified are often ignored. This means that you will also get this error message if there are files with the specified file numbers, but all of these files are LOB files.
Action	Check your loaded files in the database.

NOFIELDS	no fields supplied
Explanation	The FIELDS parameter has been specified but no valid field names have been supplied.
Action	Supply valid field names.
NOFSEL	No files selected
Explanation	No valid file number has been specified.
	Note: In some cases, only base file numbers are processed, and then you can receive this message after specifying LOB file numbers.
Action	Specify the correct file numbers.
NOFUNC	Function not permitted - AUTORESTART pending
Explanation	The selected ADADB function is not permitted when there is an autorestart pending.
Action	None.
NOGCB	GCB missing on first input file
Explanation	The first input file does not contain the general control block (GCB).
Action	Check your input file assignments.
NOINDALL	index not permitted on non-PE field
Explanation	An index can only be specified on fields contained within a periodic group.
Action	Check the field name.
NOISNRU	no ISN reuse allowed for checkpoint file
Explanation	ISNs cannot be reused in the checkpoint file.
Action	None.
NOLOG	logging not enabled during Nucleus startup
Explanation	An attempt was made to start command logging, to force end of file for protection or command logging and this logging was not enabled during startup.
Action	None.

NOMUL	no multiple file specification allowed
Explanation	A file number has been specified twice.
Action	Check the specification and make the list of file numbers unique.
NOOFFLF	no offline-functions possible, Nucleus is running
Explanation	No offline functions are possible while a nucleus is running.
Action	Shut down the nucleus.
NOONLF	no online-functions possible, Nucleus not running
Explanation	The nucleus is required to execute the specified function.
Action	Start the nucleus.
NOPARMOD	No parameter modification possible. Try DBID to re-enable
Explanation	The ADAOPR utility could not start a utility session, therefore only ABORT, CANCEL and display functions are permitted.
Action	Try "DBID=<dbid>" again to re-enable nucleus parameter modification.
NORDONL	starting nucleus in read-only mode not permitted
Explanation	The start of a read-only nucleus failed because a utility updating the data base was active. A read-only nucleus expects that no modifications to the data base can occur during the nucleus run. As this was not possible (because utilities were updating the data base) the start of the nucleus was aborted. A nucleus run is considered to be read-only if either the access permissions to at least ASSO1 are read-only or if the session parameter OPTIONS=READONLY is set.
Action	Retry to start the read-only nucleus when the utility causing the conflict has terminated.
NORES	restore database NOT possible, only file information dumped
Explanation	The Adabas backup copy has been created by dumping selected files only. A restore database cannot be performed, since only parts of the database have been dumped.
Action	Start a restore file(s) operation or use ADABCK's list functions for more information on your backup copy.

NOSHM	no shared memory available of size 'number' available ('string')
Explanation	The creation of a shared memory failed. The operating system gave the reason quoted in the text string.
Action	UNIX users - check your memory usage. Remove unused shared memories (showipc -k). Check the shm_max parameter (showipc -s). PC users - check the configuration of the virtual memory on your system.
NOSPACE	no virtual memory space available
Explanation	There is not enough space reserved for the utility.
Action	Contact your nearest support center.
NOSPST	Not enough free space at chosen start sector
Explanation	There is not enough contiguous free space in the disk section, starting at the specified start sector.
Action	Use ADADEV's FREE_SPACE or LAYOUT functions to obtain more detailed information.
NOSYSF	System file: 'filename' not found
Explanation	This file does not exist or is missing in the current database.
Action	Contact your system administrator.
NOTALB	not able to allocate 'number' block(s)
Explanation	ADADBMs ALLOCATE function cannot allocate the specified space. In particular, you get this error in the following cases: <ul style="list-style-type: none">■ There is not enough space available with the required block size. For example, the block size for a new DATA storage extent for a file must not be less than the maximum block size that is already in use for the file's DATA storage.■ You specified a RABN and this RABN is already in use, or the free space at this RABN is less than the size required.■ You specified a RABN and the block size of this RABN cannot be used, for example, because it is less than the maximum block size already in use for the file when you allocate DATA storage.
Action	Check the free space table for available space.

NOTALLAD	DATA storage exhausted - not all records added
Explanation	Not all records could be added to the file by ADAMUP because there is no more space available in the DATA container.
Action	Either provide additional DATA space (ADADBAM EXTEND_CONTAINER or ADADBAM ADD_CONTAINER), or delete one or more existing files (ADADBAM DELETE) or deallocate some DATA space for one or more existing files (ADADBAM DEALLOCATE). Afterwards you can add the missing data with ADAMUP. In order to prevent data from being added twice, you must specify SKIPREC as the number of records already added (see the message ADDREC displayed before the message NOTALLAD), plus the previous value of SKIPREC. If you specified a value for NUMREC, you must reduce the value of the NUMREC parameter by the number of records already added.
NOTALM	not able to allocate 'number' megabyte(s)
Explanation	ADADBAM's ALLOCATE function cannot allocate the specified space.
Action	Check the free space table for available space.
NOTAUTH	No authorization to execute 'utility' on database 'dbid'.
Explanation	If a user tries to execute a utility but is not authorized to perform this action, this message will occur.
Action	Terminate the utility.
NOTAVL	file 'number' not available
Explanation	The specified file is not available for utility usage.
Action	Wait until this file is available or stop the user currently using this file.
NOTDESC	field not a descriptor
Explanation	The field to be released from descriptor status or to be displayed is not a descriptor.
Action	Check the field name and file number.
NOTEXST	Entry does not exist, content: 'topic' / 'entry'
Explanation	The entry 'entry' was not found in the Adabas configuration file (ADABAS.INI or DBnnn.INI) under topic (or subtopic) 'topic'.
Action	Update the Adabas configuration file.

NOTLOAD	file not loaded
Explanation	The specified file is not loaded.
Action	Check the file number.
NOTLOCK	file not locked
Explanation	The required file cannot be unlocked.
Action	None.
NOTNUM	given value not numeric
Explanation	The value required must be numeric.
Action	Enter a numeric value.
	Note: Only valid unsigned integer values are accepted as numeric, i.e. values $<2^{**32}$ on 32-bit platforms and values $<2^{**64}$ on 64-bit platforms. There may be further restrictions for values not explicitly mentioned in the documentation, for example, sufficient memory must be available.
NOTPOSS	database 'number' not converted to version 'number'
Explanation	The conversion failed. The reason for this has been explained in a previous message.
Action	This depends on the reason why the conversion failed. See the corresponding message.
NOTPRES	ISN(s) to be deleted not present
Explanation	The ISN(s) to be deleted are either outside the specified file's limits (MAXISN) or are not in use. See the subsequent message given.
Action	Supply correct ISN(s) or use the ADAMUP option ISN_NOT_PRESENT=IGNORE.
NOTR	No TR option for field 'string'
Explanation	The specified descriptor has the TR option in the sequential input file for ADAMUP's ADD function, but not in the database.
Action	Define the TR option for the descriptor in the database as well. Always consider the special handling of descriptors defined with the TR option when such descriptors are accessed.

NOTRSPA	No trailing space, container could not be extended
Explanation	If a container extent is defined on raw device, it can only be extended if there is enough free space directly behind the container extent.
Action	Perform ADD_CONTAINER instead of EXTEND_CONTAINER.
NOTSET	Option was not set previously
Explanation	The option to be deleted was not set previously.
Action	None.
NOTSUP	device type not supported by Adabas
Explanation	Open error on file displayed in the previous message, because the device cannot be used. This is for example when a PLOG is assigned to a tape for more than 1 thread.
Action	Assign the file in question to a proper device (raw disk, file system).
NOTUQ	unique conflict detected
Explanation	Duplicate values detected when inverting or verifying a descriptor defined with the unique option.
Action	If the error is reported by the VERIFY option of ADAINV for an existing descriptor, dump the file with ADABCK and send it to your nearest support center together with a description of the actions that caused the error. Remove the error using the REINVERT function with the UQ_CONFLICT=RESET option.
NOTZ	No timezone database found
Explanation	Depending on the platform, Adabas expects that the time zone database is either provided by the operating system or that the time zone database is created during the Adabas installation.
Action	Contact your system administrator. It is possible that the time zone database is not available because a newer version of the time zone database is being installed.
NOUQDESCS	no unique descriptors present
Explanation	There are no unique descriptors defined for the file.
Action	Check the file number.

NOWOEX	WORK extend online not possible
Explanation	When the nucleus is active it is not possible to extend the WORK container.
Action	Shutdown the nucleus and retry.
NSPALL	No space allocated for this container
Explanation	Space can only be deallocated or reallocated if it has already been allocated.
Action	None.
NSPSEC	Not enough free space
Explanation	There is not enough contiguous free space in the disk section.
Action	Use ADAREP's FREE_SPACE or LAYOUT functions to obtain more detailed information.
NTLIC	Parameter NT restricted by licensing, original NT='number', now NT='number'
Explanation	The requested number of threads is greater than allowed by the license. The database is started with the maximum allowed NT.
Action	To avoid this message, reduce the NT parameter to the given value or upgrade your license.
NUCLOST	synchronization with nucleus lost
Explanation	Synchronization with nucleus lost by a utility due to: <ul style="list-style-type: none">■ utility's user-queue entry removed■ nucleus termination.
Action	ADAREC: restore database or file and rerun utility. Others: rerun utility.
NUCNOA2A	Adabas nucleus currently not able to perform A2A replication.
Explanation	The Adabas nucleus can only perform Adabas-to-Adabas replication if a replication exit is active. The replication exit is a part of the Adabas Event Replicator.
Action	Restart the Adabas nucleus with the replication exit. Refer to the Adabas Event Replicator documentation for further information.

NUCVTE	Unexpected response code 'number' from system file conversion
Explanation	An error occurred after the database was converted from an old version by ADACVT and the nucleus wants to process the system files at startup.
Action	At the next nucleus shutdown, reload / reorder the system files and pay attention to the next nucleus startup.
NULIC	Parameter NU restricted by licensing, original NU='number', now NU='number'
Explanation	The requested User Queue size is greater than allowed by the license. The database is started with the maximum allowed NU.
Action	To avoid this message, reduce the NU parameter to the given value or upgrade your license.
NUMADEXH	Number of additional 'ASSO/DATA' extents currently exhausted
Explanation	The maximum number of created containers within one utility run is reached. Due to internal structures it is only possible to create a specific number of containers with one active utility.
Action	If the nucleus is active, shut it down and restart it. Otherwise terminate ADADBM and restart it.
OBCKTIR	Online backup not responding, hang up 'date'
Explanation	During an online backup synchronization between ADANUC and ADABCK, the ADABCK process did not signal to the nucleus. This can happen if, for example, ADABCK was killed with signal 9 at a specific point. The online backup will be disabled and the nucleus will continue normally.
Action	Check if the ADABCK process still exists and restart the dump.
OFFCAP	CANCEL or ABORT possible
Explanation	The nucleus online connection to ADAOPR is aborted but CANCEL or ABORT is still possible via CSA access.
Action	CANCEL or ABORT or none.
ONLALL	'string' not created in disk section 'string'
Explanation	The displayed container or SAM file can only be accessed if it is created in the disk section.
Action	Check the environment variable and disk-section content.

ONLDBA	'string' of database 'number' not created in disk section 'string'
Explanation	The displayed container or SAM file of the displayed database can only be accessed if it is created in the disk section.
Action	Check the environment variable and disk-section content.
OP1P	option only permits one parent field
Explanation	The HY option only permits one parent field to be used by a hyperexit.
Action	Check the hyper-definition.
OPNERR	dataset 'string', file 'string' could not be opened
Explanation	The required data set could not be opened. The reason is given in a subsequent error message.
Action	See subsequent error message.
OPNFAIL	Opening file 'name' failed: 'reason'
Explanation	Failed to open the file.
Action	Check the error and fix the problem.
OPNP	option not permitted
Explanation	The supplied option is not permitted for this function.
Action	Correct the input parameters.
OPRDONL	dataset 'string', file 'string' opened for readonly access
Explanation	While opening the container files, the specified container can only be opened in read-only mode, but there is not a readonly database (ASSO1 is writeable). Beware that errors might occur later on if write requests to that container are issued.
Action	Make sure that this is what you want. If not change the file protection of the readonly container that the write operations will use.
ORDEXPERR	ORDEXP corrupted
Explanation	The sequential dataset ORDEXP is corrupted.
Action	Rerun ADAORD EXPORT.

ORDINTERN	ADAORD internal error rc: 'number'
Explanation	Internal error in ADAORD.
Action	Report 'number' to your nearest support center.
OVLSYSF	Overlay of system file 'number' not allowed
Explanation	It is not allowed to overlay system files.
Action	Specify another file number.
PAGFILE	Paging file too small
Explanation	The current utility or the Adabas nucleus has to abort because the system paging file is too small.
Action	Increase the size of the paging file.
PARMVAL	missing parameter value(s)
Explanation	The utility has been terminated due to missing parameters.
Action	Rerun the utility with a complete set of parameters.
PAROBS	parameter 'string' has become obsolete
Explanation	The specified parameter is no longer supported in Adabas, and is therefore ignored.
Action	Remove this parameter from your scripts.
PARTLOAD	file only partially loaded
Explanation	Due to exhausted DS or extent overflow, the file was only partially loaded.
Action	Enlarge the database, or (in case of an extent overflow) reorder the file and rerun ADAMUP with the option SKIPREC = number of records already loaded.
PCREATE	Failure on accessing image 'string': 'string'
Explanation	The specified image is not present or cannot be accessed.
Action	Check the associated environment variable and the image file.
PEMU	periodic group or MU field required
Explanation	The element name supplied is not the name of a periodic group or MU field.
Action	Correct the input line.

PEMUNOT	periodic group or MU field not permitted in name-name element
Explanation	Within a name-name element, the first name and last name must be an elementary field. A periodic group or MU field is not permitted between the names.
Action	Correct the input line.
PENDRES	pending AUTORESTART
Explanation	An attempt was made to start a utility and the last nucleus session was terminated improperly. Alternatively, a utility was started after an ADAOPR SHUTDOWN, but before the Adabas nucleus actually terminated.
Action	Start the nucleus and perform the Autorestart. In the second case, wait until the message `shutdown completed' appears in the nucleus log file (NUC.LOG). When the utility is started again, the message `Pending Autorestart' should no longer be displayed.
PFAL	parent-field must have alpha format
Explanation	The corresponding field must have alphanumeric format.
Action	Correct the input line.
PFGR	parent field may not be group or PE-group
Explanation	A parent field used by a sub-, super- or phonetic descriptor may not be a group or a periodic group.
Action	Check the field name.
PFND	parent field not defined
Explanation	The sub- or superdescriptor definition contains an undefined field.
Action	Correct the input line.
PGL1	periodic group may only be defined at level 1
Explanation	A periodic group can only be defined at level 1.
Action	Correct the input line.
PGOVL	periodic group must have less/equal 255 elements
Explanation	An attempt was made to exceed the maximum number of elements allowed in a periodic group, namely 255.
Action	Redesign your FDT. Consider splitting the periodic group.

PHNA	PHON-descriptor not allowed
Explanation	No phonetic descriptors can be specified in this context.
Action	Correct the input line.
PKDRPCNST	Descriptor 's' is a primary key, drop referential constraint(s) first
Explanation	A descriptor must not be released as long as it is used in a referential constraint.
Action	Drop the referential constraint(s) first.
PLACT	can't close active 'string' of database 'number' in disk section 'string'
Explanation	The current PLOG file of a running database must not be closed.
Action	Correct the input values.
PLEMPTY	protection log empty
Explanation	Empty PLOG block found.
Action	Contact your nearest support center.
PLEXTOVFL	PLOG extent overflow avoided, session cancelled
Explanation	The number of PLOF file extents reached 65535. The nucleus shut down in order to prevent the extent counter from overflowing.
Action	Start the database nucleus again.
PLNOTO	there is no opened 'string' of database 'number' in disk section 'string'
Explanation	There is no unclosed PLOG file with specified PLOG number in the disk section pointed to by RECPLG.
Action	Correct the logical name RECPLG or the PLOG or DBID number.
PLOGLIC	Parameter PLOG restricted by licensing, original PLOG=set, now PLOG=disabled
Explanation	The license does not let you run the database with a protection log, so logging is disabled.
Action	To avoid this message, start the database with NOPLOG or upgrade your license.

PLOGSW	PLOG switch failed.
Explanation	A PLOG switch failed because not all blocks could be written to the old PLOG file. In particular, this may happen if the PLOG is stored on a remote file system. For performance reasons, the write error is not noticed during the write operation of the first block that cannot be written to the file, but rather for a subsequent I/O command.
Action	Do not specify either of the nucleus parameters UNBUFFERED=(...,NOPLOG) and UNBUFFERED=CLEAR - in this case, file synchronisation is performed after writing each PLOG block, and it is no longer possible to loose blocks that are written to the old PLOG. However, if you prefer to use UNBUFFERED=(...,PLOG), you must prevent the the file system that contains the PLOG from becoming full, for example by initiating a PLOG switch after a given amount of time.
PLOGWRER	PLOG write error
Explanation	The write to the PLOG failed. Together with this message, some other messages are printed describing the kind of error that occurred.
Action	Assign the PLOG to a file system or raw device with enough free space and without I/O problems, and restart the nucleus.
	Note: In particular, if this error occurs because of an I/O error, it may also happen that parts of the PLOG, which are located in front of the PLOG block that could not be written, are corrupted. Therefore, it is recommended to create a new backup as soon as possible, in order to guarantee that no data are lost if a restore/regenerate is required.
PLOVFL	Database 'number' overflow of WORK, time 'string'
Explanation	An overflow occurred in the protection log area in the WORK data set during <ul style="list-style-type: none"> ■ a running nucleus ■ an Autorestart ■ a regenerate function
Action	This message informs the user that an implicit BT has been performed for a user, or that XA transactions have been heuristically terminated. Increase the size of the WORK data set (ADADBМ EXTEND_CONTAINER function), or replace the existing WORK data set with a larger one (ADADBМ NEWWORK function).

PLPLINV	PLOG must be specified before DATASET
Explanation	The PLOG parameter of ADAPLP is only processed if it is specified before the DATASET parameter.
Action	Rerun ADAPLP and specify the PLOG parameter before the DATASET parameter.
PLRFILE	FILE required if ISN is specified
Explanation	The ADAPLP parameter ISN is allowed only if a file is specified via the FILE parameter.
Action	Correct the input line.
PREDCONT	not all requested blocks removed
Explanation	ADADBMS REDUCE_CONTAINER could not remove all blocks
Action	Reduce only free blocks on the last container.
PREPEMAR	Preparing emergency auto restart
Explanation	Due to a WORK overflow, the nucleus must be aborted, because otherwise it cannot be guaranteed that all open transactions can be rolled back, since a backout transaction may require additional space on WORK.
Action	Restart the nucleus.
PWNF	password 'string' not found
Explanation	The specified password was not found in the security file.
Action	Enter the correct password.
PWUSE	password 'string' already in use
Explanation	The specified password is already present in the security file.
Action	Enter a new password.
RAWCORRUP	Raw section 'string' is corrupt or not initialized
Explanation	Either the raw disk section was not initialized, or a corruption was detected on the disk section. Reason for a corruption may be that another program has written to the disk section.
Action	If the raw section was not initialized, initialize it with ADADEV INITIALIZE. If the disk section is corrupt, you must recreate the disk section. Depending on the corruption, it may still be possible to access databases stored on the disk section. Then you should shutdown the databases and create a backup before you recreate the disk section. After recreation of the disk section you can recreate databases stored on the disk section, and restore/recover the database contents from the latest backup and protection logs.

RCNOFL	REGENERATE = file list is no longer supported
Explanation	ADAREC no longer supports regeneration without ET logic (see also the Release Notes).
Action	Use ADAREC REGENERATE = *. Using the EXCLUDE_FILES parameter allows you to regenerate only selected files.
RDBFDT	DBID or FDT required as first input
Explanation	The first input parameter for the started utility must be either DBID or FDT.
Action	Correct the input line.
RDERR	dataset 'string', RABN 'number' read error
Explanation	A read on the specified data set failed. The reason is given in a subsequent error message.
Action	See the subsequent error message.
RDEVPN	Disk section device file path name required as first input
Explanation	The user has to specify the SECTION=<section name> parameter before any other input.
RDONLRQ	Nucleus can only be started in read-only mode.
Explanation	The start of an update nucleus failed because a read-only utility was active. A read-only utility cannot write a UCB entry used to synchronize data base activity and utility updates. As synchronization between utilities and the nucleus is not possible an update nucleus cannot start.
	Retry to start the nucleus when the utility causing the conflict has terminated or start the nucleus with OPTIONS=READONLY.
Action	Correct the environment variable WORK1 or restart the nucleus with the option READONLY.
RDONP	Dataset WORK1, READONLY is not permitted
Explanation	WORK1=READONLY is defined, but the corresponding database is not located on a readonly device, or the current session is not running with the READONLY option.
Action	Correct the environment variable WORK1 or restart the nucleus with the option READONLY.

READDBINIERR	Error reading DBnnn.INI file
Explanation	An error occurred when reading the DBnnn.INI file
Action	Check that the file exists and is readable.
READERR	Error when reading container file
Explanation	An unrecoverable error occurred while attempting to read the container file.
READERR	Error when reading SAM file
Explanation	An unrecoverable error occurred while attempting to read the SAM file.
READINIERR	Error reading ADABAS.INI file
Explanation	ADABAS.INI file could not be read.
Action	Check the permissions of ADABAS.INI and try to read it again.
RECACT	ADAREC REGENERATE currently active
Explanation	During regeneration, the database is exclusively locked by ADAREC.
Action	None.
RECCMD	'number' 'string' command(s)
Explanation	The displayed commands were processed by Adabas between nucleus startup and ADAREC REGENERATE startup.
Action	Check whether this violates the consistency of your database.
RECCORRUP	Corrupted record has been found, ISN = 'isn'
Explanation	Data in RABN/ISN is corrupted.
Action	Do one of the following: <ol style="list-style-type: none"> 1. Unload/export the file in physical sequence, decompress, compress and load/import it again (this will lose some data), or 2. Restore and regenerate file and contact your nearest support center.

RECEEC	MU Field has an embedded empty field count in RABN 'number' , rp='hex-number', ISN='number'
Explanation	Data in RABN/ISN is corrupted.
RECEEN	Empty field count, rp='hex-number' found for NN option field 'string', ISN='number'
Explanation	Data in RABN/ISN is corrupted.
Action	Do one of the following: <ul style="list-style-type: none">■ Unload/export the file in physical sequence, decompress, compress and load/import it again (some data might be lost), or■ Restore and regenerate the file and contact your nearest support center.
RECENU	Empty field count, rp='hex-number' found for non-NU option field 'string', ISN='number'
Explanation	Data in RABN/ISN is corrupted.
Action	Do one of the following: <ul style="list-style-type: none">■ Unload/export the file in physical sequence, decompress, compress and load/import it again (some data might be lost), or■ Restore and regenerate the file and contact your nearest support center.
RECEPE	Field found in empty periodic group 'string', rp='hex-number', ISN='number'
Explanation	Data in RABN/ISN is corrupted.
Action	Do one of the following: <ul style="list-style-type: none">■ Unload/export the file in physical sequence, decompress, compress and load/import it again (some data might be lost), or■ Restore and regenerate the file and contact your nearest support center.
RECERR	Record structure error in RABN 'number' , rp='hex-number', expected end address not the same as actual end address
Explanation	Data in RABN/ISN is corrupted.
Action	Do one of the following: <ul style="list-style-type: none">■ Unload/export the file in physical sequence, decompress, compress and load/import it again (some data might be lost), or■ Restore and regenerate the file and contact your nearest support center.

RECFL2 **Field 'string' invalid 2 byte length of 'number', RABN 'number', rp='hex-number', ISN='number'**

Explanation Data in RABN/ISN is corrupted.

Action Do one of the following:

- Unload/export the file in physical sequence, decompress, compress and load/import it again (some data might be lost), or
- Restore and regenerate the file and contact your nearest support center.

RECFLN **Field 'string' invalid length of 'number', RABN 'number', rp='hex-number' ISN='number'**

Explanation Data in RABN/ISN is corrupted.

Action Do one of the following:

- Unload/export the file in physical sequence, decompress, compress and load/import it again (some data might be lost), or
- Restore and regenerate the file and contact your nearest support center.

RECISB **Invalid starting block 'number' found in first block**

Explanation An invalid block number was found in the first block of a PLOG.

Action Use ADABCK to back up the database, as the PLOG cannot be used by ADAREC to regenerate the database. Send the PLOG in question to your nearest support center.

RECMIS **Before image mismatch for ISN 'number' in file 'number'**

Explanation While processing the protection log, an executed command resulted in a nucleus response code.

Action Inspect the block at the record number associated with the error response, e.g. a file may not have been restored, with ADABCK, with the correct dump. This results in the file being in a state different to that when the original command was executed.

RECMLN **MU Field length of 'number' in RABN 'number' , rp='hex-number', ISN='number'**

Explanation Data in RABN/ISN is corrupted.

Action Do one of the following:

- Unload/export the file in physical sequence, decompress, compress and load/import it again (some data might be lost), or
- Restore and regenerate the file and contact your nearest support center.

RECNOTE	record NOT found for ISN 'number' in file 'number'
Explanation	The record for the specified ISN cannot be found in the specified file.
Action	Ensure that the correct BACKUP was restored; that the PLOGs were regenerated in the correct order; that the correct file was used when the file was reloaded; that the nucleus was started with OPTIONS = UTILITIES_ONLY and that the correct utilities have been rerun.
RECNUPI	Empty field, rp='hex-number' found for NU option field 'string', ISN='number'
Explanation	Data in RABN/ISN is corrupted.
Action	Do one of the following: <ul style="list-style-type: none">■ Unload/export the file in physical sequence, decompress, compress and load/import it again (some data might be lost), or■ Restore and regenerate the file and contact your nearest support center.
RECPEI	Periodic group 'string' has invalid index 'number', rp='hex-number', ISN='number'
Explanation	Data in RABN/ISN is corrupted.
Action	Do one of the following: <ul style="list-style-type: none">■ Unload/export the file in physical sequence, decompress, compress and load/import it again (some data might be lost), or■ Restore and regenerate the file and contact your nearest support center.
RECTOOBIG	record too big for data-storage device
Explanation	The compressed record is too big for the used device.
Action	Decrease the size of the records or use a device with larger block size, or decrease the padding factor.
RECUPD	Updates performed between Nucleus and Regenerate's startup
Explanation	Updates have been performed between starting the nucleus and the regenerate startup. This may result in errors being reported by ADAREC's REGENERATE function.
Action	If errors are reported, the database must be restored and the regenerate rerun. The nucleus must be started with OPTIONS=UTILITIES_ONLY.

REEXEC	Re-execute all SYNPF Utility functions starting from block 'number'
Explanation	ADARC could not re-execute one or more utility functions. This must be done manually by the user.
Action	Re-execute the functions manually. If a RESTARTP message follows, you must restart the ADAREC utility to continue the regenerate; if a PROCESSED message follows, the regeneration of the Adabas protection log is completed after re-executing the utility functions.
REGDAT	Regenerating ONLY data-storage for file 'number'
Explanation	An index error occurred during the regenerate. The data will, however, still be regenerated.
Action	When the regenerate has finished, run the ADAINV utility with REINVERT=file_number, ALL_FIELDS.
REGENPL	protection log was generated by REGENERATE function
Explanation	The protection log assigned contains entries originating from ADAREC when regenerating a previous protection log.
Action	Make sure the correct protection log has been assigned.
REMSHM	Unable to remove shared memory ('hex number')
Explanation	Within the detach shared memory procedure, the shared memory could not be removed.
Action	UNIX users - use the ipcs command or the showipc tool to look for the shared memory key 'hex number'. You can remove it with ipcrm or showipc -k. PC users - none.
REMUQ	unique status removed on descriptor
Explanation	The unique status of a descriptor was removed due to a user-specified action.
Action	None.
RENUMERR	Renumber error
Explanation	The specification of the RENUMBER parameter is not correct; refer to the description of this parameter in the <i>Utilities manual</i> for details.
Action	Specify the RENUMBER parameter correctly.

REPUI	Invalid start flag in UI detected, now repaired
Explanation	The Adabas index processing detected an inconsistency and repaired itself.
Action	Continue with normal operation but contact your nearest support center if it happens often.
RESKWD	Reserved keyword 'string' used
Explanation	The event type name is either a predefined or reserved keyword.
Action	Use a different event type name.
REQDBID	DBID required as first input
Explanation	An attempt was made to execute a function without the database being specified.
Action	Specify the DBID.
REQFIL	FILE required as next input
Explanation	The keyword FILE is required as the next entry.
Action	Enter the keyword FILE.
REQLEV	database 'number' already at structure level for version 'vers'
Explanation	The database is already at the requested level.
Action	None.
RESDEN	UCB reset denied, process with pid 'number' alive
Explanation	You cannot reset a UCB entry of a utility which is still active.
Action	UNIX users - correct the IDENT given in the RESET=UCB function or find out the utility with the 'ps' command. PC users - correct the IDENT given in the RESET=UCB function or find out the utility using the Windows NT task manager or any comparable tool.
REUCUT	error detected in reusage chain at rabn <rabn>, cut chain
Explanation	The index reusage chain has an incorrect block, the chain is completely cut. This does not affect the database consistency, but does result in lost index blocks.
Action	Reinvert the index of the file which contains the RABN indicated in order to return the lost index blocks. You can use ADAVFY's INDEX function to display the number of lost blocks.

REULOST **Reusage rahn 'number' of file 'number' out of range, not inserted**
Explanation An error occurred while inserting an index block into a reusage chain.
Action Check the block number given if present within the allocated index blocks of the given file. Use ADAVFY INDEX if there are many lost index blocks.

REXABORT **Adabas nucleus terminated by replication exit with dump**
Explanation A replication exit provided, for example, by the Adabas Event Replicator, detected an unrecoverable error and initiated the termination of the Adabas nucleus process with a dump.
Action Refer to the documentation of the product that provided the replication exit for further information.

REXCANCEL **Adabas nucleus terminated by replication exit**
Explanation A replication exit provided, for example, by the Adabas Event Replicator, detected an unrecoverable error and initiated the termination of the Adabas nucleus process.
Action Refer to the documentation of the product that provided the replication exit for further information.

RIDEF **Definition of referential constraint 'name' failed, reason 'reason'**
Explanation The definition of the referential constraint 'name' failed. The reason is given by a number:

Number	Explanation
1	Primary/foreign file not loaded
2	RI not with system file
3	Primary/foreign key not found
4	Primary not unique
5	Length/format mismatch
6	Error in constraint name or not unique
7	Constraint action invalid/not permitted
8	SET_NULL and NC/NN options mismatch
9	Primary/foreign field name is not a descriptor or the descriptor options are not allowed
10	Error in self-referencing specification
11	Primary/foreign field is already referenced or RI constraint already exists
12	Data integrity violation
13	Invalid superdescriptor reference
14	RI not with NOBT files

Action	The action depends on the reason number returned.
RIIDFL	invalid specification for a default (reason='rsp')
Explanation	The default value specified was invalid. The reason value is the Adabas response code that is signalled by the nucleus.
Action	Correct the default value.
RIINOR	ISN 'isn' of file 'file' has no reference in file 'rfile'
Explanation	Referential integrity error when loading data.
Action	Provide the missing data in the file 'rfile' which are required for referential integrity.
RIMISF	Reference to missing file 'file' detected
Explanation	A referential integrity constraint was found referencing a file that was not specified to be processed by the utility.
Action	Remove the referential integrity constraint first, or specify the referenced file as well..
RIRFSH	Primary file of referential constraint
Explanation	Setting PGM_REFRESH is not allowed for a file that is the primary file of a referential integrity constraint.
Action	Do not use an E1 command with ISN 0 to delete all the records on the file. Instead, you can, for example, specify the primary and secondary file of the referential constraint in ADADBM REFRESH.
RKEYERR	Cannot read 'key' key from DBnnn.INI file
Explanation	Reading the key from the DBnnn.INI file failed.
Action	Ensure that the DBnnn.INI file is accessible and the key is in the file.
RLLE	resulting length has to be less-equal 'number'
Explanation	The resulting superdescriptor length must be less than or equal to the displayed value.
Action	Correct the input line.

RNOTAV	RABNs not available
Explanation	In case of ALLOCATE, the RABNs are not contained in the database or are already in use. In case of DEALLOCATE, the RABNs do not belong to the specified file, or RABNs to be deallocated are in use, or the Address Converter RABNs are not in the last extent.
Action	Check which RABNs are available using the ADAREP printout.
RNOTFREE	RABN 'number' not available
Explanation	RABN 'number' as specified in the parameter ACRABN, DSRABN, UIRABN or NIRABN is already used.
Action	Specify a valid RABN.
RODBONA	Operation not allowed on read-only database
Explanation	The modification of security definitions is not allowed on a read-only database.
Action	If the changes are required for a read-only database, change the database to a normal database and try again. If you have missing permissions, contact your database security administrator.
RONLYDB	Readonly database, some functions disabled
Explanation	There are two possible reasons for this message: <ol style="list-style-type: none"> 1. You are running a utility against a readonly database, so only those functions are available which do not make any modifications in the database. 2. You don't have update permissions for the database containers. This can happen if you don't belong to the administrator group (typically "sag").
Action	If the changes are required for a read-only database, change the database to a normal database and try again. If you have missing permissions, somebody with sufficient permissions must perform the utility operation. Note: Because of the missing write permissions, utilities do not write checkpoints.
RPCPERR	Structure error in checkpoint record (ISN 'number')
Explanation	The checkpoint record with ISN 'number' has an internal structure error.
Action	Unload the Adabas checkpoint file and send it to your nearest support center. Decompress the checkpoint file then compress and load again.

RPLFID	Replication system files already defined
Explanation	If the replication system files already exist, ADADBM REPLICATION_FILES must not be executed again.
Action	If you want to ignore all existing Adabas - Adabas replications and define new replication definitions, you must first perform ADADBM REMOVE_REPLICATION.
RPOFFB	Offline database access failed
Explanation	You used ADAREP which works with an online database but the nucleus went down meanwhile and the physical container assignments are not set.
Action	Set the container assignments and restart ADAREP which now will access offline.
RQINVF	INV, REINV, REL, SET_UQ, SUM, RESET_UQ or VER. required next
Explanation	The next keyword must be one of: INVERT, REINVERT, RELEASE, SET_UQ, SUMMARY, RESET_UQ or VERIFY.
Action	Correct the input line.
RSERR	dataset 'string', read error
Explanation	A read on the specified data set failed. The reason is given in a subsequent error message.
Action	See the subsequent error message.
RSFN	reserved field name
Explanation	The specified field name is reserved.
Action	Correct the field name.
RTOOBIG	format buffer generates a record buffer larger than 'number'
Explanation	The given format buffer causes a record overflow.
Action	Contact your nearest support center.
RUIERR	invalid index level 'number' in reusable RABN 'number'
Explanation	The index reuse chain is corrupted.
Action	Run adainv with option reinvert descriptor or all fields if message contained no descriptor and contact your nearest support center.

RULERR	invalid length of 'number' in reusable RABN 'number'
Explanation	The index reuseage chain is corrupted.
Action	Run adainv with option reinvert descriptor or all fields if message contained no descriptor and contact your nearest support center.
RUNILoop	Loop in NI reuseage chain
Explanation	The index reuseage chain is corrupted.
Action	Run adainv with option reinvert descriptor or all fields if message contained no descriptor and contact your nearest support center.
RURERR	invalid RABN 'number' in reusable RABN 'number'
Explanation	The index reuseage chain is corrupted.
Action	Run adainv with option reinvert descriptor or all fields if message contained no descriptor and contact your nearest support center.
RUUILoop	Loop in UI/MI Reusage chain
Explanation	The index reuseage chain is corrupted.
Action	Run adainv with option reinvert descriptor or all fields if message contained no descriptor and contact your nearest support center.
SACERR	Access error to the disk section string
Explanation	A system call performed on a disk-section device-file aborted.
Action	See the subsequent 'errno' message.
SAMDIR	Directory must not be specified for SAM file 'string'
Explanation	It is not allowed to specify a directory for the Adabas sequential file.
Action	Set the environment variable for the Adabas sequential file to the file in the directory that is to be processed.
SAMEFIL	same input file assigned twice
Explanation	When unloading from a multi-file Adabas backup copy, the same input file has been assigned twice.
Action	Check the input file assignments and rerun the utility.

SAMOERR	Error when opening SAM file
Explanation	There is a problem opening a sequential file.
Action	Check the reason for the open failure (e.g. wrong filename, insufficient permissions). The reason is displayed in previous message.
SAMPLATF	SAM file created on different platform
Explanation	The utility can only process SAM files created on a platform with the same endianness.
Action	Process the SAM file on a platform with the correct endianness.
SBVNOTEXP	Security by value definition not exported
Explanation	One or more security-by-definition values could not be exported. The reason for this is that the export was made with a mainframe as the target platform and a search buffer contains W formatted fields. This error is the result of WMFEXP warnings which occur before while exporting the security-by-value definitions.
Action	See the action for WMFEXP .
SCACRE	'string' already created in disk section 'string'
Explanation	The displayed container or SAM file already exists in the disk section.
Action	Deallocate the space or change the environment variable.
SCADBC	'string' of database 'number' already created in disk section 'string'
Explanation	The displayed container or SAM file of the displayed database already exists in the disk section.
Action	Deallocate the space or change the environment variable.
SECNOE	Disk section not empty
Explanation	The user tried to do a RESET on the disk section, but the section still contains container or sequential files.
Action	Deallocate all containers and sequential files in the disk section before the RESET.
SECINUSE	'filename' in raw section 'sectionname' is in use and must not be deallocated
Explanation	As long as an Adabas database container or sequential file is in use by the nucleus or a utility, it is not possible to deallocate it.
Action	Wait until the nucleus or utility has terminated. In the case of a CLOG or PLOG in use by the nucleus, you can perform the ADAOPR FEOF function to close the CLOG or PLOG.

SECINVNAME Invalid raw section name 'string' (returned type 'number')

Explanation The specified raw section name is invalid. The returned type number indicates the file type of the name:

Type Number	Meaning
-2	Unexpected file type
-1	System error (invalid file name, access permission etc.)
0	Regular file
1	Tape device
2	Block device
3	Raw device
5	Named pipe
6	Directory

Action **Action**
Specify a valid raw section name.

SEINVPW password must not contain any special characters

Explanation Invalid password given.

Action Correct password specification.

SEMGET Semaphore could not be created

Explanation Adabas could not create a semaphore. The reason for this may be that not enough IPC resources are provided by the operating system. In particular, the operating system parameter SEMMNI or other parameters beginning with "SEM" may be too small. Refer to the *Installation* document for more information.

Action Adapt the operating system parameters.

SEMLOST Synchronization semaphore lost, recreated

Explanation The semaphore used by Adabas was not available upon reaching a synchronization point. This could happen if someone removes the semaphore entry with the UNIX command "ipcrm". Adabas will recreate the semaphore and continue.

Action Check if somebody used ipcrm.

SEMNCR	Semaphore could not be created, system limit reached
Explanation	The requested semaphore could not be created by the utility.
Action	Check the UNIX semaphore table for a clean-up, or rebuild the UNIX kernel with a sufficient number of semaphores.
SEMUCNT	number of files in list may not exceed 'number'
Explanation	Too many files given in the file list.
Action	Specify only 'number' files in one file list.
SEPINV	FB not in FDT sequence for separator option (field 'name')
Explanation	If you use the SEPARATOR option of ADACMP, the fields you specify must be in the same sequence as defined in the FDT.
Action	Correct the field order.
SEPWOVF	Too many passwords to display
Explanation	Password overflow for the display function.
Action	Contact your nearest support center.
SEQNA	Export with SORTSEQ for ADAM file not allowed
Explanation	An ADAM file may only be exported in physical sequence.
Action	Correct the input line.
SEV1FL	Exactly one file must be specified
Explanation	Within a security by value specification there must only be one file number.
Action	Correct file number expression.
SEVFNL	Unable to specify value criteria, file 'number' not loaded
Explanation	The file specified with a security by value specification is not loaded in the database.
Action	Correct file number expression or load file first.
SEVRBOVF	Value criterion too long, max record buffer length exceeded
Explanation	The value criterion in total exceeds the buffer to be transferred to the nucleus.
Action	Decrease the size of the value criterion and contact your nearest support center.

SEVSB	Syntax error in 'string' search buffer
Explanation	The search buffer specified for the ACCESS/UPDATE criterion was incorrect.
Action	Refer to the Command Reference Manual for the valid search buffer syntax.
SEVSBF	Format error in 'string' search buffer at field 'string'
Explanation	The field name given in ACCESS/UPDATE search buffer was invalid
Action	Refer to the Command Reference Manual for the valid search buffer syntax.
SEVVB	Syntax error in 'string' value buffer
Explanation	The value buffer specified for the ACCESS/UPDATE criterion contains invalid data for a field.
Action	Check the values against the fields in the search buffer.
SEVVBL	Field in 'string' value buffer inconsistent with search buffer
Explanation	The value buffer and search buffer of the ACCESS/UPDATE criterion have inconsistencies in their length. The search buffer expects more values at the field given.
Action	Check the value lengths against the fields in the search buffer.
SFNOTPO	subsequent file extents not possible with input redirection
Explanation	Adabas attempts to prompt for a subsequent file, but input redirection is being used.
Action	Start the program interactively.
SFSLMM	structure level mismatch on sequential file: 'filename'
Explanation	The utility attempted to access a sequential file that was created by a different version of Adabas. This was not possible as a result of structural changes. In general, input files that are created by previous versions can be supported, but input files that are created by later versions will be rejected.
	The error can also occur in ADACLP if a command log is processed that was created by a nucleus session which was started with CLOGLAYOUT=6.
Action	Check the input file assigned.
	In the case of ADACLP for a command log created by a nucleus session that was started with CLOGLAYOUT=6, use prilgc instead of ADACLP. Please refer to <i>Utilities, Appendix B - prilgc</i> for further information.

SHMNOA	Adabas shared memory service not available
Explanation	Starting with Windows Vista and Windows Server 2008, Adabas requires a shared memory service on newer Windows operating systems. This service is not available.
Action	Start the service. Refer to <i>Adabas Services on Windows, Adabas Shared Memory Service</i> for more information.
SHORTOPT	DVT required not present, file created using the SHORT option
Explanation	A mass add is to be made to a database file which has descriptors defined, but the input for the mass add does not contain the descriptor value table entries (DVT) required.
Action	Supply an input file containing DVT entries or release all descriptors currently present in the database file targeted for the mass add.
SIGNAL	signal 'number' occurred
Explanation	An unexpected signal was generated by the system.
Action	Contact your nearest support center and tell them the signal number.
SLOR	standard length out of range
Explanation	The specified length value is too large. A length value >253 is only allowed for fields with the LA or L4 option.
Action	Correct the length specification, or specify the LA or L4 option.
SMMSEC	Structure level mismatch, first sector corrupted or not initialized
Explanation	This message is normal if the disk section is not initialized. It is possible that the disk section was initialized by a different version of Adabas: structural changes mean that it is not possible to access the disk section with this version.
Action	Contact your nearest support center if you do not have an explanation for this behavior.
SMPIERR	SMP initialization failed with ('number'): 'string'
Explanation	An error occurred in the process initialization.
Action	Check the error text given. It originates from the operating system. Try to fix the operating system problem. If this does not work, contact your nearest support center.

SMPNULL	Null pointer from SMP resource allocation in line <number>
Explanation	The allocation of a resource for the internal Adabas component SMP failed; in particular, this may happen if there is not enough memory available for the process.
Action	Check the swap space or number of active processes.
SPAALL	Space already allocated for 'string' in disk section 'string'
Explanation	Space is already allocated in the disk section for the displayed container or sequential file.
Action	None.
SPADBA	Space already allocated for 'string' of database 'number' in disk section 'string'
Explanation	Space is already allocated in the disk section for the displayed container or SAM file of the displayed database.
Action	None.
SRterr	Sorting: internal error 'number' (in hex)/ 'number' (in hex)
Explanation	An internal error occurred in the sort process.
Action	Contact your nearest support center.
SRTFIL	sort file too small
Explanation	The SORT file provided is too small.
Action	Provide a larger SORT file or assign a second one.
SRTWRK	Sort file too small or work pool too large
Explanation	The SORT file provided is too small or the specified work pool is too large for the given SORT file.
Action	Modify the size of the SORT file and/or work pool accordingly.
SSAP	same sub-/super-descriptor already present
Explanation	A sub-/superdescriptor with the same structure already exists.
Action	Correct the input line.

STAOVF	counter overflow ('string') occurred, info will be reset
Explanation	All information related to the given counter is reset.
Action	None. Counter overflows can only be avoided by stopping and starting the database more frequently.
STARTERR	Starting 'utility name' failed
Explanation	The given utility could not be started.
Action	This is an informational message. The reason why the utility could not be started is given in subsequent error messages.
STDLNG	standard length may not be changed
Explanation	The length of a field defined with the FI option must not be changed.
Action	None.
STNOTPO	Subsequent tapes not possible with input redirection
Explanation	An Adabas utility is using output to a tape device. The utility was called with input redirection and the tape device becomes full.
Action	Restart the utility but without input redirection.
STOP	STOP in location 'string'
Explanation	A severe internal error occurred.
Action	Report the complete message text to your nearest support center.
STPnnn	'text'
Explanation	A severe internal error occurred.
Action	You should report the complete message code and text to your nearest support center if the message is not explained explicitly below.
STP054	Network busy for more than one minute.
Explanation	If access to a file that is stored on a network device is not possible for more than one minute because of network problems, the nucleus or utility stops with this error message.
Action	Check your network.

STRMDI	structure modified during display
Explanation	The data structure referred to by the running ADAOPR display function has been modified during display.
Action	Try the display function again.
SVAMIS	Exactly two parameters are needed
Explanation	The specified parameter requires exactly two values.
Action	Correct the input.
SYNOMU	System generated fields must not be multiple and CR or within periodic group
Explanation	Only fields that are not defined within a periodic group can be defined with the option SY. Multiple-value fields must not be defined with the option CR.
Action	Change the field definition accordingly.
SYNTAX	syntax error
Explanation	Syntax error.
Action	Correct the input.
SYOPUSER	System generated OPUSER field must have alpha format and length 8
Explanation	The option SY=OPUSER field requires format A and length 8.
Action	Change the field definition accordingly.
SYSESSIONID	System generated SESSIONID field must have alpha format and option NV set
Explanation	The option SY=SESSIONID requires format alpha and option NV.
Action	Change the field definition accordingly.
SYSFMM	File 'fnr', 'filename', FDT mismatch detected
Explanation	FDT field has been modified.
Action	Contact your system administrator.
SYSFLOCK	system-file locked by utility
Explanation	A system file is locked by a utility and the nucleus is not permitted to start.
Action	Wait for the utility to terminate and then restart the nucleus.

SYSNOMATCH	system file 'number' does not match to system file in DB
Explanation	An attempt was made to import a non-system file with a file number of a system file in the target database.
Action	Renumber the system file of the target database with ADADBM and rerun ADAORD.
SYTIME	System generated TIME-Field must be defined with DT-option
Explanation	The option SY=TIME is only allowed for fields with DT option.
Action	Change the field definition accordingly.
TADEREQ	Tape device required
Explanation	An Adabas utility is using output to a tape device. After prompting for another device, an invalid file name was entered.
Action	Enter a valid tape-device name.
TEMPTS	given TEMP size too small
Explanation	Size of TEMP not sufficient.
Action	Provide larger TEMP.
TIMOT	incompatible time environment or structure level mismatch
Explanation	a) The system times between the utility and nucleus were different. A nucleus and utilities which run online must have the same system time environment. b) The utility opened a database with a different Adabas version.
Action	a) Check the TZ variable of the nucleus and the utility session. b) Check the version of the requested database.
TMOVBREQ	Too many ADAM overflow blocks requested, limit = 'number'
Explanation	The ADAM_OVERFLOW parameter was greater/equal the DSSIZE parameter in ADAFDU.
Action	Re-specify the ADAM_OVERFLOW parameter, using a value less than 'number'.
TMPFMT	TEMP dataset formatted improperly
Explanation	The TEMP container file cannot be used by utility, the first RABN is in use.
Action	Check if another utility is using the current TEMP or use another TEMP file.

TONOT	TO checkpoint name not found in block 'number'
Explanation	The TO checkpoint name was not found in the given block.
Action	Use the LIST = FULL function to print the checkpoint names with their associated block numbers and rerun ADAREC.
TOOSMALL	New raw section is not big enough to contain all data
Explanation	The ADADEV RESIZE function tried to decrease the size of the disk section but there is not enough free space in the smaller section, since this would cause existing data to be outside the section boundaries.
Action	To successfully resize the section, the data at the end of the section has to be removed or moved nearer to the start of the section.
TPCO	XA part of WORK could not be opened
Explanation	This error occurs if ADAPLP tries to display the XA part of WORK and <ul style="list-style-type: none"> ■ the session is run with OPTIONS=NOXA ■ the WORK is corrupted.
Action	If the current session is run with OPTIONS=XA, contact your nearest support center.
TTLV	transition to this level not allowed
Explanation	The specified level number is not allowed in this context.
Action	Correct the input line.
TRTABE	translation table access error (error 'number'), ignoring
Explanation	The translation table user exit (ADATRT) could not be opened. The session will run without using that user exit.
Action	Check the shared library pointed to by the environment variable ADATRT and the error number which indicates why the shared library cannot be used.
TZERR	Invalid timezone specification
Explanation	The time zone specified was invalid. Refer to the documentation of the ADACMP/ADADCU TZ parameter for further information.
Action	Correct the TZ parameter.

UBFERR	Database 'number' previous session aborted during buffer flush
Explanation	<p>The Autorestart has detected that the previous nucleus session aborted during a buffer flush.</p> <p>If the nucleus had been started with AR_CONFLICT=ABORT, the autorestart will abort, otherwise it will continue. If the nucleus abort occurred due to a power failure or an I/O error, it is possible that the database is in an inconsistent state. We recommend you to verify the database using ADAVFY and ADAINV VERIFY in this case.</p>
Action	<p>If the autorestart aborts due to AR_CONFLICT=ABORT, you can either:</p> <ul style="list-style-type: none">■ redo the autorestart by setting AR_CONFLICT=CONTINUE (see the explanation above), or■ restore and regenerate the database. This should only be done if the nucleus abort occurred during a power failure or an I/O error, and ADAINV or ADAVFY reports errors.
UCBGERR	UCB not available
Explanation	<p>The UCB is not available.</p>
Action	<p>Contact your nearest support center.</p>
UCBNREM	unable to remove UCB entry and/or write offline checkpoint
Explanation	<p>The utility was not able in its final phase to write the necessary checkpoint and/or to clean up its UCB entry. Nevertheless the utility will terminate successfully.</p> <p>However, the following risks exist:</p> <ul style="list-style-type: none">■ One reason why the UCB entry could not be removed may be the the UCB entry had already been removed by ADADBM RESET UCB. In this case, the file was no longer protected against usage by other utilities or the nucleus. If another utility or the nucleus modified the file before the utility writing the UCBNREM message was finished, the file may be corrupted.■ If the checkpoint could not be written, and you do a restore/regenerate later, you may forget to re-execute the utility because you don't see the checkpoint - this can result in a corrupted database.
Action	<p>Verify with ADAVFY and ADAINV VERIFY that the file is still consistent if a parallel update of the file may have happened. Take care to ensure that the re-execution of the utility is not forgotten if a restore/regenerate is required later.</p>

UEXABO	aborted in userexit, input record: 'number'
Explanation	ADACMP aborted while a user-written user exit was active.
Action	Check the user-written routine.
UEXERR	USEREXIT 'number' disabled, response returned: ^X 'number'
Explanation	An error response was returned by an Adabas nucleus user exit. The user exit is disabled but database operation continues.
Action	Check the response returned by the user exit. In order to enable the user exit again, shut down the nucleus and restart it with the USEREXIT option.
UEXMUE	User exits 1 and 11 mutually exclusive
Explanation	It is not allowed to activate user exit 1 and user exit 11 for the same nucleus session.
Action	Start the nucleus session again with only one of user exit 1 and user exit 11 activated.
UEXSTA	invalid user exit output status returned
Explanation	An invalid output status has been returned by the user exit.
Action	Return valid output status.
UIEXTOVL	upper index's extent overflowed
Explanation	The file's upper index extent is too fragmented, the index remains inaccessible.
Action	Unload and refresh the file, allocate larger extents and add the unloaded data with ADAMUP.
ULDCORE	Skipping corrupted record, block 'number', isn 'number'
Explanation	The DATA record with that ISN contains corrupted fields. This record will not be written to the unload output file.
Action	If the corrupted file is in the database it should be deleted and reloaded with ADAMUP. The missing data can be investigated by dumping the DATA RABN with the corrupted record. Or run ADAULD with the SHORT option and then decompress with ADADCU. The corrupted record will be filtered out to the DCUERR file.
ULDCORR	Skipping DATA block 'number' with corrupted record
Explanation	During the unload a corrupted DATA block with RABN 'number' is deleted. The unload will skip those blocks and continue.
Action	Because there were corruptions the unloaded file should be decompressed to find more inconsistencies. If the corrupted file is in the database it should be deleted and reloaded with ADAMUP. The missing data can be investigated by dumping the corrupted DATA RABN.

ULDLOB	ADABAS nucleus not active - file with LOBS cannot be unloaded
Explanation	Unloading a file with LOB data requires an active Adabas nucleus.
Action	Start the nucleus and try again.
ULDSEQ	ADABAS nucleus not active - only physical sequence supported
Explanation	Processing a file in descriptor or ISN sequence requires the Adabas nucleus to be active.
Action	Start the Adabas nucleus.
UNEFILD	Unexpected file 'file-name' detected
Explanation	When opening an Adabas file, an unexpected type was detected (e.g. a DTA file was expected, but a DVT file was detected). If the file name displayed begins with 'UTI', you must replace 'UTI' with the last 3 characters of the utility name in order to get the real (logical) file name. For example, if the file name displayed in ADADCU is UTIDTA, then the file DCUDTA is meant.
Action	Check the assignment of the environment variables.
UNIQUEFILE	unique file specification required
Explanation	The parameter given requires the specification of a single file number.
Action	Specify a single file number.
UNPRIV	utility has no privilege for access database 'number'
Explanation	The utility tried to use a database which cannot be accessed because of architectural differences. For example the utilities cannot access a database which runs on an IBM mainframe.
Action	Check the database you want to use and check NET-WORK if that database is active on a remote node.
UNPRRD	Readonly database, utility not permitted to run
Explanation	The specified database is a read-only database. The utility function you requested is not allowed for a read-only database.

UNPRUN	utility not permitted to run
Explanation	This utility is currently not permitted to run.
Action	Wait until the database is available again.
UNXEOF	"file": Unexpected end of file
Explanation	The block size of the last block found on the file is larger than the number of bytes that follow. Either the file has a different record structure than assumed, or the file is incomplete.
Action	You must be aware that the file is not correct, however it may be possible to use the data in the file before the position where the error occurs. For example, if a CMPIN file was truncated, you can compress the records that are still available on the file.
UNXIOERR	An unexpected I/O error has occurred
Explanation	The Adabas nucleus or utility must be aborted because an I/O error occurred.
Action	Check your file system, your storage devices and the network.
UNXNRSP	Unexpected ADABAS nucleus response code 'number'
Explanation	An Adabas nucleus call received an unexpected nucleus response code.
Action	Check the meaning of the nucleus response code. If the explanation you find there does not help, contact your nearest support center.
UNXRC	Function 'name': Unexpected return value: 'number'
Explanation	Error in the Adabas code: A function returned an unexpected return value.
Action	Report the error to your nearest support center so that the Adabas development team can fix the error.
UQDE	UQ is valid only with DE
Explanation	The option UQ can be specified only for descriptors.
Action	Correct the input line.
UTIENA	OPTIONS=UTILITIES_ONLY enabled in nucleus by ADAREC
Explanation	The utilities mode is enabled in the nucleus. All non-utility calls will be rejected.
Action	Reset the mode to OPTIONS=LOCAL_UTILITIES with the utility ADAOPR.

VALEX	exactly 3 value(s) required
Explanation	The number of elements in a value list was incorrect.
Action	Enter a list of values with the correct number of elements.
VALLOW	value has to be greater-equal 'number'
Explanation	The given value is too small.
Action	Enter a value not smaller than the displayed minimum.
VALMAX	only 'number' value(s) allowed
Explanation	The number of elements in a value list was too large.
Action	Enter a list of values with a number of elements which is not larger than the number displayed in the error message.
VALUP	value has to be less-equal 'number'
Explanation	The specified value is too large.
Action	Enter a value not larger than the value displayed in the error message.
VFADAM	ADAM 'ISN Key' error: ISN 'number' in RABN 'number', expected 'number'
Explanation	An error was detected while accessing an ADAM file.
Action	Unload/export the file in physical sequence and load/import it again.
VFERRCNT	Inconsistencies found by 'number' verifications
Explanation	This is a summary message of <i>adavfy</i> , indicating that the checked databases or files contain errors.
Action	Look at the displayed error messages and act accordingly.
VFYBLK	Invalid number of 'type' blocks ('number found'/'number expected')
Explanation	ADAVFY detected a discrepancy between the actual count for AC/UI/NI/DS blocks and the count held in the control structures. Some errors can be corrected.
Action	See subsequent messages.

VFYERR	Verification error on disk section 'string'
Explanation	The consistency check of the disk-section management area failed.
Action	See the subsequent error message.
VFYLOBNO	Verification LOB references not permitted, LOB file 'fnr' detected
Explanation	It is not allowed to verify a LOB file.
Action	Use the valid base file number.
WMFEXP	Format type W is not supported to export for mainframe
Explanation	If ADASCR is used to export security-by-value definitions from an open systems platform to a mainframe platform, this warning occurs if the search buffer of an access or an update criterion or both contains W formatted entries. The W format is not supported on mainframe platforms in security-by-value definitions. If only one defined access or update criterion contains W formatted entries, the other one will be exported; if both contain W formatted entries, the defined security-by-value definition will be ignored.
Action	If the rejected security-by-value criterion also contains other fields, manually add a new security-by-value criterion that contains these other fields to the export file so that these other fields can be checked. The checks for the W field must be made in the application on the mainframe platform.
WORK2TSM	given WORK-Size too small, at least 'number' blocks required
Explanation	The given size of the WORK data set is too small to run the nucleus.
Action	Create a larger WORK data set using ADADBM's NEWWORK function with at least 'number' blocks.
WONOP	WORK could not be opened
Explanation	The WORK file could not be opened.
Action	Enable WORK open for the nucleus.
WORKSET	Working set too small
Explanation	The process working set is too small to satisfy all memory requirements.
Action	Contact your nearest support center.

WPSIZE	work pool too small
Explanation	The LWP parameter is too small to use the complete SORT file and the usable part of the SORT file has overflowed.
Action	Increase the LWP parameter.
WRONGIPT	wrong input file assigned
Explanation	The input file assigned is not the one expected by the utility.
Action	Check the assignments.
WRFAIL	Writing to file 'name' failed: 'reason'
Explanation	Write failed, the reason is given by the operating system.
Action	Check the error reason and fix it.
WSERR	dataset 'string', write error
Explanation	A write error occurred on this data set. The reason is given in a preceding error message.
Action	See the subsequent error message.
XAERRRES	XA error 'string' from record 'number' in block 'number' in PLOG 'number'
Explanation	While processing the protection log, an executed command resulted in a nucleus XA error.
Action	Examine the block at the record number associated with the error response, e.g. a file may not have been restored, with ADABCK, with the correct dump. This results in the file being in a state different to that when the original command was executed.
XALIC	Parameter XA restricted by licensing, original XA=set, now XA=disabled
Explanation	The license does not allow you to run a database with distributed transaction processing, so the XA option is reset.
Action	To avoid this message, restart the database without the XA option or upgrade your license.
XARMERR	XA_RMERR signalled ('number')
Explanation	An application using the XA protocol has received an XA_RMERR response code.
Action	Please contact your nearest support center.

ZERISN **Zero ISN found in record, RABN 'number', rp='hex-number'**
Explanation An illegal ISN number 0 was found in a DS RABN.
Action Unload/export the file in physical sequence and load/import it again.

4 AEO Messages

This chapter lists the error messages of Adabas Extended Operation (AEO). The messages are accompanied by explanations and suggested actions to recover from these errors.

There are two formats of Adabas messages:

1. Adabas messages with a header

These messages have the general format: *%utility name-severity-message id text*, for example: %ADANUC-I-STARTED, 24-NOV-2001 12:06:38, Version 3.2

2. Adabas messages without a header

These messages have the general format: *text*
for example, the output of `adaopr dbid=<dbid>`:
Database *dbid*, startup at 24-NOV-2001 11:37:00
ADANUC Version 3.2, PID 12107

Adabas messages with a header begin with the character "%".

An Adabas message can have one of the following severities:

I = Information, W = Warning, E = Error, F = Fatal Error

Messages without a header have the default severity I (Information). The Adabas message ID is a unique identifier for messages. There is no message ID for messages without a header. The text part of an Adabas error message is a short but descriptive formatted text.

%<utility>-I-AXACT, start action=<topic name>, ROUTINE=<action routine>

Explanation Every time an Adabas action is started, the message AXACT is written to standard output and is logged.

Example:

```
%ADANUC-I-AXACT, start action=ADANUC_STARTED, ROUTINE=ada_nsta.
```

Action None required

%ADANUC-<I | W | E | F >-CMDLOG1, FNR=<fnr>, RSP=<response code>, CMD=<command>, COP=<command options>, AD2=<additions 2>, AD2(HEX)=<additions 2 in hex format>

Explanation The messages CMDLOG1 and CMDLOG2 log Adabas commands whose return code is neither 0 nor 3. The severity is variable and depends on the Adabas return code. This message is logged but not written to standard output. Refer to Response Codes that create a CMDLOG Message in Appendix A for more information.

Example:

```
%ADANUC-W-CMDLOG1, FNR=999, RSP=17, CMD=L1, COP= , AD2=...., ↵
AD2(HEX)=00000500
```

Action None required

%ADANUC-<I | W | E | F >-CMDLOG2, ISN=<isn>, ISQ=<ISN quantity>, UID=<user id>, NID=<node id>, TID=<login id>, TH=<thread>

Explanation The messages CMDLOG1 and CMDLOG2 log Adabas commands whose return code is neither 0 nor 3. The severity is variable and depends on the Adabas return code. This message is logged but not written to standard output. Refer to the section Response Codes that create a CMDLOG Message in Appendix A for more information.

Example:

```
%ADANUC-W-CMDLOG2, ISN=1, ISQ=0, UID= , NID=PCW002 , ↵
TID=miller/3, TH=3
```

Note:

1. UID is the user ID specified in the corresponding OP command. If no Adabas session is active because no OP command was issued and option OPEN_REQUIRED is set, "*****" is displayed. If a session is active, but no user ID was specified in Additions 1 of a corresponding OP command, blanks are displayed.
2. TID contains the login ID of the client program. In the case of multi-threaded applications, this is valid only for the first thread of the application doing Adabas calls; in other threads, the last bytes of the field are overwritten by a thread counter, for example TID="miller/3". This can result in overwriting parts of the login ID.

3. The values of NID and TID may have been set to different values if `Ink_set_user_id` was called in the client program.
4. TH is the number of the Adabas worker thread that processed the Adabas command.
5. Some Adabas commands are not transferred to the Adabas nucleus and the Adabas response code is generated directly in the ADALNK modules. For these Adabas commands, no messages CMDLOG1 and CMDLOG2 are generated.

Action None required

%<utility>-< I | W | E | F >-CPBFREE, free entries in checkpoint block=<n>

Explanation The message CPBFREE logs free entries in the checkpoint block (see: Offline Checkpoints). The severity is variable and depends on the definition of the item *MESSAGE* in the topic *OFFLINE_CHECKPOINTS*. This message is logged but not written to standard out.

Example:

If MESSAGE=(I=50,W=20,E=5,F=2) and the number of free entries=19:
%ADAMUP-W-CPBFREE, free entries in checkpoint block = 19

Action None required

%<utility>-I-CRIPC, TYPE=<IPC type>, NAME=<IPC name>, SIZE=<size>

Explanation If a utility creates IPC (Interprocess communication) resources, the message CRIPC is logged. The severity is I (Information). This message is logged but not written to standard output.

Possible IPC types are:

- M = shared memory
- S = semaphore
- Q = message queue

Example:

%ADANUC-I-CRIPC, TYPE=M, NAME=0xada0004d, SIZE=913416

Action None required

%<utility>-< I | W | E | F >-DBFREE, TYPE=<container type>, EXTEND-COUNT=<count>, SIZE=<size in KB>, FREE=<free space in KB>, %FREE=<free space rate in %>

Explanation Possible container types are ASSO and DATA. Every time a database file is extended, the remaining free space of ASSO and DATA is calculated. These values are compared with the *MESSAGE* definition of *INCREASE_ASSO* or *INCREASE_DATA* as appropriate. If the remaining free space ratio is less than or equal to one of these message values, the message DBFREE is logged with the associated severity. You can also use the function "*adarep dbid=<dbid> free*" to perform this calculation. This message

is logged but not written to standard output. The extent count shows the number of allocated ASSO or DATA containers.

Example:

```
%ADANUC-I-DBFREE, TYPE=DATA, EXTENT-COUNT=3, SIZE=40000 KB,  
FREE=5320 KB, %FREE=13,30
```

Action None required

%<utility>-I-DD, <logical file name>=<physical file name>

Explanation Every time a container or sequential file is opened, a DD message logs this information. The severity is always I (Information). This message is logged but not written to standard output.

Example (PC platforms):

```
%ADANUC-I-DD, ASSO1 = %ADADATADIR%\ db<nnn>\ ASSO1.<dbid>
```

Example (UNIX):

```
%ADANUC-I-DD, ASSO1 = /dev/rdisk/c13d0s2
```

Action None required

%<utility>-I-FEXT, extend FNR=<fnr>, TYPE=<extent type>, COUNT=<extent count>, SIZE=<extent size in MB> (<number of blocks> * <blocksize>)

Explanation If a database is extended, the message FEXT is logged. The severity is I (Information). This message is logged but not written to standard output. The extent count shows the number of allocated extents for this extent type (e.g. if the third DATA extent is allocated, COUNT=3). Possible extent types are AC, NI, UI and DATA.

Example:

```
%ADANUC-I-FEXT, EXTEND FNR=31, TYPE=DATA, COUNT=3, SIZE=6,63 MB  
(1697 * 4096 Bytes)
```

Action None required

%<utility>-<I | W | E | F >-FIFREE, FNR=<fnr>, TOPISN=<topisn>, MAXISN=<maxisn>, NI=<number of NI extents>, UI=<number of UI extents>, AC=<number of AC extents>, DS=<number of DS extents>

Explanation Every time an database file is extended, the number of extents is compared with the definition of the item *MESSAGE* of the topic *REORDER_FILE*. If the extent count is greater than or equal to one of these message values, the message FIFREE is logged with the associated severity. You may use also the function "*adarep dbid=<dbid> content*" to perform this calculation. This message is logged but not written to standard output. The format of this message is:

Example:

```
%ADAMUP-I-FIFREE, FNR=12, TOPISN=110807, MAXISN=500000, NI=5, UI=2, AC=2,  
DS=3
```

Action None required

%ADANUC-< I | W | E | F >-INCNUCP, nucleus parameter=<parameter name>, current size=<current size>

Explanation If a nucleus parameter is too small and an Adabas command aborts, the message INCNUCP is logged. The severity is variable and depends on the definition of the item *MESSAGE* in the topic *INCREASE_<nucleus parameter>*. Remark: A value of 101% in one of the parameters of the item *MESSAGE* indicates that INCNUCP will only be logged if the parameter overflows. This message is logged but not written to standard output. Refer to the section Response Codes resulting from insufficient parameter size in Appendix B for more information.

Example: for MESSAGE=(I=50,W=80,E=101):

%ADANUC-E-INCNUCP, nucleus parameter=NU, current size=500

Action None required

%<utility>-I-INP, <parser input>

Explanation Every time a parameter is parsed by an Adabas utility, a *INP* message logs this information. The severity is always I (Information). This message is logged but not written to standard output.

Example: %ADAINV-I-INP, reinvert = *

Action None required

%<utility>-W-INVCTRL, invalid definition: TOP1=<topic name level 1>, TOP2=<topic name level 2>, ITEM=<item name>, VALUE=<item value>

Explanation Every Adabas utility reads the *ADABAS.INI* initialization file when it is started. After the utility parameter *DBID* is parsed, the initialization file *DBnnn.INI* is also read, where *nnn* is the database number. If there is a configuration error in one of these files, the message *INVCTRL* is logged and the associated topic is disabled. This message is logged but not written to standard output.

Example:

%ADAOPR-W-INVCTRL, invalid definition: TOP1=DB_PARAMETER, TOP2=ADANUC_STARTED, ITEM=ACTION, VALUE=XYES

Action None required

%<utility>-F-IPCERR, TYPE=<IPC type>, NAME=<IPC name>, SIZE=<size>, SYSFCT=<system function>, ERRNO=<error number>, ERRTXT=<error text>

Explanation If an error occurs while a utility creates IPC (Interprocess communication) resources, the message *IPCERR* is logged. The severity is F (Fatal). This message is logged but not written to standard output.

Possible IPC types are:

- M = shared memory
- S = semaphore

- Q = message queue

SYSFCT shows the C system function which is used to create the resource. ERRNO shows the system error number and ERRTXT shows the associated system error text.

Example:

%ADANUC-F-IPCERR, TYPE=M, NAME=0xada0004d, SIZE=913416, SYSFCT=shmget, ERRNO=12, ERRTXT=Not enough core

Action

None required

A Appendix A - AEO: Response Codes that create a CMDLOG

Message

The Adabas nucleus returns response codes to a direct call to indicate certain error conditions. The following table shows the Adabas response codes which will create a CMDLOG message. See the description of the messages %ADANUC-*-CMDLOG1 and %ADANUC-*-CMDLOG2 earlier in this document for information on the CMDLOG message. For a detailed description of response codes, see the [Nucleus Response Codes](#).

Response Code	Additions 2	Severity
1	-	E
2	-	W
9	DL	W
	LP	E
	OP	W
	OR	I
	SE	W
	ST	I
	TN	I
	TT	W
11 (*1)	-	I
12 (*1)	-	I
16	-	W
17	-	W
18	-	W
19	-	W
20	-	W
21	-	W

Response Code	Additions 2	Severity
22	-	W
23	-	W
24	-	W
25	-	W
26	-	W
28	-	W
29	-	W
40	-	W
41	-	W
43	-	W
44	-	W
45	-	W
46	-	W
47	-	W
48	-	I
49	-	E
50	-	W
51	-	E
52	-	W
53	-	W
54	-	W
55	-	W
57	-	W
60	-	W
61	-	W
62	-	W
63	-	W
72	-	W
73	-	E
74	-	E
75	-	F
76	-	F
77	-	W
78	-	F
79	-	F
83	-	E

Response Code	Additions 2	Severity
85	-	F
86	-	E
88	-	E
98	-	W
99	-	W
113	-	W
144	-	W
145 ISN in hold	0	-
145	-1	E
HQ overflow		
146	-	W
162	-	E
165	-	E
166	-	F
167	-	F
170	-	F
172	-	F
173	-	F
176	-	E
177	-	E
182	-	F
200	-	W
201	-	W
202	-	W
204	-	W
210	-	F
211	-	W
212	-	W
219 (*2)	-	E
222	-	E
230	-	E
242	-	F
243	-	F
244	-	F
245	-	F
246	-	F

Response Code	Additions 2	Severity
247	-	E
250	-	E
251	-	F
252	-	F
253	-	F
255	-	E

(*1) For internal use only

(*2) For use with XA only

B Appendix B - AEO: Response Codes from Insufficient Parameter Size

The following table shows all Adabas response codes which result from a nucleus parameter being configured with a value that is too small. See the description of the action INCREASE_<nucleus parameter> and of the message %ADANUC-*INCNUCP in the [AEO messages](#) for more information.

Response Code	Additions 2	Action
1	-	INCREASE_LS
47	-	INCREASE_NISNHQ
72	-	INCREASE_NU
88	-	INCREASE_LWP
151	-	INCREASE_NC
162	-	INCREASE_LBP

