Adabas Transaction Manager

Messages and Codes

Version 7.5.1

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Adabas Transaction Manager

This document applies to Adabas Transaction Manager Version 7.5.1 and to all subsequent releases.

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

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1 Adabas Transaction Manager Messages and Codes

This document describes the messages and response codes which may be encountered during Adabas Transaction Manager execution.

ATM messages may be:

- displayed on the operator console
- written to the ATM daemon DDPRINT dataset

	Message Format and Severity Levels	Describes the format and severity levels used with ATM messages.
	ATM Messages	Describes the messages issued by the Adabas Transaction Manager.
	ATM Error Codes	Describes the error codes issued by the Adabas Transaction Manager.
	Response Codes and Subcodes	Describes the response codes and subcodes issued when an Adabas command is returned.
	User Abend Codes	Describes the user abend codes.

2 Message Format and Severity Levels

Message Format

ATM messages have the general format:

```
ATMnnn ss (MESSAGE TEXT) [additional information]
```

—where

nnn is the message number

ss is the severity code (in hexadecimal)

Some messages have additional information following the message text.

Message Severity Levels

The following table explains the general meaning of each severity level:

Severity Level	Description
00	Software AG use
04	Information only
08	Echo and confirmation
10	Warnings
14	Operator communication failure
18	Important shutdown messages
20	Initialization failure reasons
24	ABEND notification and information
FF	Special, unsuppressable messages

3 ATM Messages

ATM000_FF NO TEXT

Explanation One of the following occurred:

- an unexpected error
- an error created intentionally by ZAP

Action If the error was unexpected, contact your Software AG support representative.

ATM001_20 ADABAS VERSION NOT SUPPORTED BY ATM

Explanation The Adabas Transaction Manager cannot be used with this version of Adabas.

Action Use a version of Adabas that ATM supports.

ATM002_20 ATM DATABASE OP FAILED, RSP/SUBCODE rsp/subcode

Explanation The ATM recovery database failed to open for the reason indicated.

Action Correct the cause of the response code and restart the ATM daemon.

ATM003_20 UNABLE TO LOAD module-name

Explanation The named module could not be loaded.

Action Ensure that the module is in a library from which it can be loaded dynamically.

ATM004_20 UNABLE TO OPEN DDCARD

Explanation The ATM daemon could not open the DDCARD dataset.

Action Check the DDCARD dataset.

ATM005_20 ERROR READING DDCARD

Explanation An error occurred when the ATM daemon attempted to read a record from DDCARD.

Action Check the DDCARD dataset.

ATM006_20 PARAMETER ERROR

Explanation A parameter is incorrectly specified in the DDCARD input. The first ATM006 message is followed by two additional messages, each prefixed with ATM006, displaying the parameter statement in error and indicating the position at which the error was detected.

Action Correct the parameter specification and restart the ATM daemon.

ATM007_20 COR GROUP ALREADY HAS DAEMON: daemon

Explanation The ATM daemon indicated in the message is already active locally in the local COR group. It is not possible to have more than one ATM daemon associated with the same COR group and executing in the same location (that is, under the same Adabas ID table, or Adabas SVC).

Action Do not attempt to run more than one ATM daemon under the same ID table and associated with the same COR group.

ATM008_10 AWAITING CONTACT FROM LOCAL SYSCO DAEMON

Explanation The ATM daemon cannot complete its initialization process until the associated Adabas System Coordinator daemon provides it with essential operational information.

Action Check that there is an Adabas System Coordinator daemon running under the same ID table (Adabas SVC) as the ATM daemon.

ATM009_20 REGISTER FOR event-type FAILED. reason

Explanation The ATM daemon attempted to register with the local SYSCO daemon, for notification of certain events (“event-type”), but the attempt failed. A summary reason might be given.

Action Check the availability of the local SYSCO daemon. If the SYSCO daemon is available, and the reason for the error is not apparent from the details in the error message, contact your Software AG support representative, noting the value of “reason”.

ATM010_20 GENERAL GETMAIN FAILED

Explanation ATM was unable to acquire enough storage to initialize.

Action Increase the amount of memory available to the job and restart it.

ATM011_20 GETMAIN ERROR DURING INITIALIZATION OF queue-area

Explanation ATM was unable to acquire enough storage to initialize the queue area indicated.

Action Increase the amount of memory available to the job and restart it.

ATM012_20 UNABLE TO ACQUIRE STORAGE FOR area-name

Explanation ATM was unable to acquire enough storage for the area named.

Action Increase the amount of memory available to the job and restart it.

ATM013_20 INITIALIZATION ERROR. FUNCTION/RF: function/rf

Explanation An error occurred during the initialization of an interface to an external transaction coordinator.

Action Check the documentation for the external transaction coordinator being used to determine the meaning of the return code (value "rf"). If the cause of the problem is still not apparent, contact your Software AG support representative, noting the values of "function" and "rf".

ATM014_20 RRMS LOGNAME CHECK FAILED

Explanation This message relates to the initialization of the ATM interface with RRMS. The ATM daemon Database ID has changed since ATM was last used with this RRMS system.

Action The ATM daemon Database ID must not be changed while there are global transactions in progress. If you have changed the daemon Database ID and are sure that there were no incomplete global transactions, you can override this initialization error using the ADARUN parameter `TMRESTART=FORCE`.

ATM015_10 RRMS LOGNAME INCONSISTENCY OVERRIDDEN

Explanation This message relates to the initialization of the ATM interface with RRMS. The ATM daemon Database ID has changed since ATM was last used with this RRMS system, but the inconsistency was ignored because of the setting of the ADARUN parameter `TMRESTART`.

Action None. This message is for information only.

ATM016_20 RRMS HAS LOST HARDENED RESTART DATA

Explanation This message relates to the initialization of the ATM interface with RRMS. Because RRMS has lost some restart data, integrity cannot be guaranteed for incomplete transactions that were under the control of RRMS.

Action If it is not possible to recover the RRMS restart data, you can use the ADARUN parameter `TMRESTART` to force the ATM daemon to initialize. Details of any incomplete transactions are then transferred to the STJ file and can be examined using the SYSATM application.

ATM017_20 FAILED TO OPEN ATMLOG. RC/RF:rc/rf

Explanation The ATM daemon was unable to open the ATMLOG1 or ATMLOG2 dataset.

Action Check the definition of the ATMLOG1/2 datasets. If the cause of the error is not apparent, report the problem to your Software AG support representative, noting the values of "rc" and "rf".

ATM018_20 DTP=TM NOT SPECIFIED FOR NODE dbid

Explanation The database (dbid) is expected to be an ATM daemon, but it behaves as if it is not executing as an ATM daemon.

Action Check that `DTP=TM` is specified in the ADARUN parameters of the indicated database.

ATM019_20 RRS IS NOT ACTIVE; ATM WILL WAIT AND RETRY

Explanation This message relates to the initialization of the ATM interface with RRMS. Initialization cannot complete because the RRS component of RRMS is not available.

Action Report the problem to your systems programming staff. The ATM daemon cannot initialize until RRS is active again.

ATM020_04 RRS EXITS HAVE BEEN SET

Explanation If the ATM daemon is started with the parameter `TMSYNCMGR=RRMS`, this message is issued when the ATM RRMS interface has been initialized.

ATM021_08 RRS RESTART FINISHED

Explanation If the ATM daemon is started with the parameter `TMSYNCMGR=RRMS`, this message is issued when ATM finishes telling RRS how to handle any transactions that previously failed to complete.

ATM022_20 DAEMON PARM SEND FAILED. JOB/RSP/SUB/RC: job/rsp/sub/rc'

Explanation This message is issued by a SYSCO daemon when it tries, and fails to supply parameters to an ATM daemon that is initializing. The daemon's job name ("job") is given, if this is known; otherwise the daemon's Database ID is given. A response code ("rsp"), subcode ("sub") and return code ("rc") might also be given.

Action Check that the ATM daemon identified in the message is active. If the cause of the error is not apparent, contact your Software AG support representative, noting the values of the variables in the message.

ATM023_04 ISN: isn

Explanation This message is preceded by message ATM025 or ATM033. It indicates the ISN associated with the error.

Action Refer to the explanation of the previously issued message.

ATM024_10 ERROR DURING DB RESTART; ID/ERR: dbid/error-code

Explanation The error (error-code) occurred during restart processing for the database (dbid).

Action Refer to the descriptions of the possible **error codes**. If the cause of the error is not clear, report the details to your Software AG support representative, noting the values of the variables.

ATM025_10 ERROR IN ATM RESTART; ID/RSP/SUB/CMD: dbid/rsp/sub/cmd

Explanation An unexpected response code (rsp) was encountered during restart processing for the ATM daemon (dbid). The response code, subcode (sub), and command code (cmd) are provided. An ATM023 message may follow, providing an associated ISN.

Action If the cause of the error is not clear from the description of the response code, report the details to your Software AG support representative, noting the values of the variables.

ATM026_10 ERROR DURING ATM RESTART; ID/ERR: dbid/error-code

Explanation The error (error-code) occurred during restart processing for the partner ATM daemon (dbid).

Action Refer to the descriptions of the possible **error codes**. If the cause of the error is not clear, report the details to your Software AG support representative, noting the values for the variables.

ATM027_10 ATM RESTART. MAX PARTNERS EXCEEDED. USER userid

Explanation The maximum number of partner ATM daemons indicated by the ADARUN parameter `TMNODES` is not sufficient to perform restart processing for incomplete transactions.

The error occurred while ATM was attempting restart processing for the user whose ETID or Client ID is "userid". This message is followed by an ATM087 message providing the user's 28-byte Communication ID.

The ATM daemon continues to execute, but cannot complete restart processing for transactions affected by the error.

Action Set the TMNODES parameter to 191 and restart ATM.

ATM028_10 DB RESTART. MAX TARGETS EXCEEDED. USER userid

Explanation ATM is unable to perform restart processing for an incomplete transaction because the number of databases involved in the transaction exceeds the maximum possible.

The error was detected while ATM was attempting restart processing for the user whose ETID or Client ID is "userid". This message is followed by an ATM087 message providing the user's 28-byte Communication ID.

The ATM daemon continues to execute, but cannot complete restart processing for transactions affected by the error.

Action Contact your Software AG support representative.

ATM029_10 PARTNER/DB RESTART ABORTED; ID/ERR: dbid/error-code

Explanation The error indicated occurred during restart processing associated with the database or ATM identified by "dbid".

The ATM daemon continues to execute, but cannot complete restart processing for transactions affected by this error.

Action Refer to the descriptions of the possible **error codes**. If the cause of the error is not apparent, report the details to your Software AG support representative, noting the error code.

ATM030_10 ERROR DURING TRAN RESTART; ID/ERR//COMMID: dbid/error-code

Explanation The error indicated occurred during restart processing for an incomplete transaction. The database associated with the error is identified by "dbid".

The message is followed by an ATM032 message giving the ETID or Client ID of the transaction's owner, and an ATM087 message giving the user's 28-byte Communication ID.

Action Refer to the descriptions of the possible **error codes**. If the cause of the error is not apparent, report the details to your Software AG support representative, noting the error code.

ATM031_10 ERROR DURING BRANCH RESYNC; ID/ERR//COMMID: dbid/error-code

Explanation The error indicated occurred while ATM was attempting to synchronize restart for an incomplete transaction branch with a partner ATM daemon. The partner ATM daemon associated with the error is identified by "dbid".

The message will be followed by an ATM032 message giving the ETID or Client ID of the transaction's owner, and an ATM087 message giving the user's 28-byte Communication ID.

Action Refer to the descriptions of the possible **error codes**. If the cause of the error is not apparent, report the details to your Software AG support representative, noting the error code.

ATM032_10 RESTART ERROR FOR USER userid

Explanation This message refers to a previous error message and gives the ETID or Client ID of the user associated with the previous error.

Action Refer to details for the preceding message.

ATM033_10 ERROR DURING DB RESTART; ID/RSP/SUB/CMD: dbid/rsp/sub/cmd

Explanation An unexpected response code was encountered during restart processing for database "dbid". The response code, subcode, and command code are provided. An ATM023 message may follow, providing an associated ISN.

Action If the cause of the error is not clear from the description of the response code, report the details to your Software AG support representative, noting the value of the variables.

ATM034_10 MEMCHK REGISTER FAILED FOR RM. DB/RSP/SUB/RC: dbid/rsp/sub/cmd

Explanation An unexpected condition was encountered when the ATM daemon attempted to register a `DTP=RM` database job for notification, by the SYSCO daemon, of certain events. This can happen during initialization of an ATM daemon, or when a `DTP=RM` database is started.

Action Check the availability of the local SYSCO daemon. If the SYSCO daemon is available, and the cause of the error is not clear from the details in the message, contact your Software AG support representative, noting the values of the variables given in the message.

ATM035_10 PEER NOTIFY ERROR. ID/RSP/SUB/RC/TM: id/rsp/subcode/rc/peer

Explanation This message can be issued by an Adabas System Coordinator daemon. It indicates that an error occurred while the SYSCO daemon was trying to notify its local ATM transaction manager that another ATM manager had started in the same COR group, elsewhere in the network. The message identifies the local ATM daemon (value "id") and the remote ATM that is starting (value "peer"), and gives details of the error, which can include an Adabas response code and subcode (values "rsp" and "subcode"), or an ATM error code (value "rc").

Action If the cause of the error is not clear from the description of the response code or error code, report the details to your Software AG support representative, noting the values of the variables in the message.

ATM036_08 ATM NUCLEUS INITIALIZATION STARTED

Explanation This message appears during the initialization of an ATM transaction manager, and indicates that initialization of the transaction manager's environment has started.

Action None. This message is for information only.

ATM037_08 COR GROUP/DAEMON: group/jobname

Explanation This message is issued by an ATM transaction manager at the end of its initialization process. It identifies the Ababas System Coordinator group that the transaction manager is associated with, and the job name of the local COR daemon.

Action None. This message is for information only.

ATM038_00 FURTHER RESTART ERROR MESSAGES WILL BE SUPPRESSED

Explanation This message is issued during ATM restart when the daemon has issued 100 error messages. It indicates that any additional errors encountered during the restart process will be written to the DDPRINT dataset only, and not to the console.

Action None. This message is for information only.

ATM039_04 TRANSACTION RESTART NOT POSSIBLE FOR DB dbid

Explanation This message is preceded by message ATM025. It indicates that serious errors prevent the ATM daemon from restarting affected transactions.

Action Correct the error reported in the ATM025 message; then restart the database indicated in the message.

ATM040_00 TRANSACTION RESTART DEFERRED FOR INACTIVE DB dbid

Explanation This message might be issued during an ATM daemon's restart processing. Incomplete transactions exist that involve the database indicated. It is not possible for the daemon to resolve them because the database is not active.

Action This message is for information only. Restart processing for such transactions occurs when the indicated database is restarted.

ATM041_00 TRANSACTION RESTART DEFERRED FOR INACTIVE NODE dbid

Explanation This message might be issued during an ATM daemon's restart processing. Incomplete transactions exist that involve the partner ATM daemon indicated by “dbid”. It is not possible for the daemon to resolve them because the partner ATM daemon is not active.

Action This message is for information only. Restart processing for such transactions occurs when the indicated ATM daemon is restarted.

ATM042_10 NUMBER OF WARNING MESSAGES SUPPRESSED: count

Explanation This message is issued by an ATM daemon at the end of restart processing if the number of error messages during restart processing exceeded 100.

Action This message is for information only. The suppressed messages can be found in the DDPRINT dataset.

ATM043_04 NUMBER OF TRANSACTIONS COMPLETED DURING RESTART: count

Explanation This message is issued by an ATM daemon at the end of restart processing. It indicates the number of previously incomplete transactions that were completed (by completing the commit process) during ATM restart processing.

Action This message is for information only.

ATM044_04 NUMBER OF TRANSACTIONS BACKED OUT DURING RESTART: count

Explanation This message is issued by an ATM daemon at the end of restart processing. It indicates the number of previously incomplete transactions that were backed out during ATM restart processing.

Action This message is for information only.

ATM045_04 NUMBER OF TRANS/BRANCHES PENDING AFTER RESTART: count

Explanation This message is issued by an ATM daemon at the end of restart processing. It indicates the number of incomplete transactions or transaction branches that could not be completed or backed out during ATM restart processing, and so remain incomplete. These transactions remain incomplete until they can be completed or fully backed out.

Note: This message is issued before the ATM daemon attempts to resynchronize incomplete transactions that are controlled by the CICS syncpoint manager or by RRS.

Action This message is for information only.

ATM046_04 NUMBER OF TRANS/BRANCHES TRANSFERRED TO STJ: count

Explanation This message is issued by an ATM daemon at the end of restart processing. It indicates the number of incomplete transactions or transaction branches that could not be completed or backed out during the daemon recovery restart processing, and that were removed and recorded in the suspect transaction journal file in the ATM daemon's database. The number indicated should be zero unless the `TMRESTART` parameter indicates a forced restart.

Action This message is for information only.

ATM047_20 ATM INITIALIZATION FAILED

Explanation A serious error prevented the ATM daemon from initializing. Previous messages should indicate the reason.

Action Refer to the explanations of preceding error messages.

ATM048_08 ATM NUCLEUS INITIALIZATION COMPLETE, Vvers, SESSION sess

Explanation This message marks the successful completion of an ATM daemon initialization processing. The version, release, and maintenance level of ATM are displayed, followed by the session number (sess) for this execution of the daemon.

Action This message is for information only.

ATM049_04 NUMBER OF ERRORS READING RECOVERY RECORDS: count

Explanation This message appears at the end of the ATM daemon initialization processing if any errors were encountered reading recovery records.

Action The message is for information only. For information about the errors encountered, refer to the error messages that precede this message.

ATM050_20 'SIGN-OFF' FAILED, RESPONSE CODE rsp

Explanation This message can appear during the closedown process of a nucleus that was running with `DTP=RM`. It indicates that the nucleus called the local ATM daemon to notify it of the closedown, but the command failed with response code "rsp".

Action Nucleus termination will continue. Any incomplete global transactions will be resynchronized when the nucleus next communicates with the ATM daemon.

ATM051_20 'SIGN-OFF' FAILED, ERROR CODE error-code

Explanation This message can appear during the closedown process of a nucleus that was running with `DTP=RM`. It indicates that the nucleus called the local ATM daemon to notify it of the closedown, but ATM returned the error code "error-code".

Action Check the meaning of the given error code, to see if ATM needs any corrective action. Nucleus termination will continue. Any incomplete global transactions will be resynchronized when the nucleus next communicates with the ATM daemon.

ATM052_20 PROTOCOL ERROR. ATM NOT INITIALIZED.

Explanation This message is issued if an ATM daemon receives an operator command before it has completed its initialization processing.

Action Wait, and re-issue the command later.

ATM054_20 HANDSHAKE ERROR; ID/RSP/SUB/CMD: dbid/rsp/sub/cmd

Explanation An error occurred while the ATM daemon was trying to handshake with the partner ATM daemon identified by "dbid". The error was an unexpected Adabas response code (rsp). The subcode (sub) and command code (cmd) are provided.

Action If the cause of the error is not clear from the description of the response code, report the details to your Software AG support representative, noting the values of the variables.

ATM055_20 HANDSHAKE ERROR; ERR/QERR: error-code/queue-error

Explanation An error occurred while the ATM daemon was attempting to handshake with a partner ATM daemon. The error code and, if applicable, a queue management error are provided.

Action Refer to the descriptions of the possible **error codes**. If the cause of the error is not apparent, report the details to your Software AG support representative, noting the error code.

ATM056_10 WARNING THRESHOLD REACHED FOR POOL: pool-name

Explanation When a certain pool in storage reaches 85% full (rounded down, minimum value 1), this message is issued as a warning.

Action Check the high-water mark for the indicated parameter, and if necessary increase the appropriate parameter value and restart the ATM daemon.

ATM057_10 NO FREE SLOTS IN queue-area

Explanation The indicated queue area is full.

Action Increase the relevant parameter and restart the ATM daemon. If the indicated queue area has no associated ADARUN parameter, the error was most likely caused by shortage of memory. In this case, increase the amount of memory available to the ATM daemon and restart it.

ATM058_10 MIXED TRANSACTION STATUS/RESULT REPORTED BY ATM dbid

Explanation The ATM daemon was attempting restart processing for incomplete transactions involving the partner ATM daemon “dbid”, which was restarting. The partner ATM daemon reported an inconsistent transaction status (partly committed, partly backed out). Subsequent messages identify the owner of the transaction.

Likely causes include the following:

- Some Adabas nucleus heuristically terminated its part of a global transaction.
- Some ATM daemon was started with `TMRESTART={FORCE | FORCEALL}`.
- A transaction branch was forcibly terminated on request from an online services user or operator.
- Some database was restored to a status that is inconsistent with the status of other databases in the network.
- Pending restart information in some database was discarded (for example, by formatting Work or by starting with `ADARUN IGNDTP=YES`).

Action In some of the above cases, details of the transaction (branch) might be found in an ATM daemon suspect transaction journal (STJ) file. Otherwise, use Online Services or application-specific checks to determine the status of the transaction.

ATM059_10 MIXED TRANSACTION STATUS/RESULT; DBID dbid

Explanation ATM was attempting restart processing for incomplete transactions involving the indicated database, which was restarting. The ATM daemon detected an inconsistent transaction status (partly committed, partly backed out). Refer to message ATM058 for likely causes.

Action Use Online Services or application-specific checks to determine the status of the transaction.

ATM060_10 CONFLICTING TRANSACTION STATUS REPORTED BY ATM/DB dbid

Explanation ATM was attempting restart processing for incomplete transactions involving the partner ATM daemon or database indicated by "dbid", which was restarting. The ATM daemon detected an inconsistent or unknown transaction identifier (XID). Subsequent messages provide further information.

Action Use Online Services or application-specific checks to determine the status of the transaction.

ATM061_10 MIXED TRANSACTION STATUS FOR USER userid

Explanation This message indicates the ETID or Client ID of the owner of the transaction associated with a previous ATM058 or ATM059 message.

Action Refer to the explanation of the preceding message.

ATM062_10 CONFLICTING TRANSACTION STATUS FOR USER userid

Explanation This message indicates the ETID or Client ID of the owner of the transaction associated with a previous ATM060 message.

Action Refer to the explanation of the preceding message.

ATM063_10 ERROR UPDATING PRR; RSP/SUB/CMD: rsp/sub/cmd

Explanation The ATM daemon received an unexpected response code while attempting to update a recovery record in its database. The message gives the response code (rsp), subcode (sub), and command code (cmd).

Action If the cause of the error is not clear from the description of the response code, report the details to your Software AG support representative, noting the values of the variables.

ATM064_10 ERROR UPDATING PRR; ERR: error-code

Explanation The ATM daemon encountered the indicated error code while attempting to update a recovery record in its database.

Action Refer to the descriptions of the possible **error codes**. If the cause of the error is not apparent, report the details to your Software AG support representative, noting the error code.

ATM066_04 LOG FILE SWITCHED TO ATMLOGn

Explanation Either the log file previously in use was full or the operator command `TM FEOFLOG` was used.

Action This message is for information only.

ATM067_10 UNSUPPORTED FUNCTION

Explanation The ATM daemon received a function call that is not valid.

Action Contact your Software AG support representative.

ATM068_04 QUIESCING TRANSACTIONS FOR DB dbid

Explanation The ATM daemon is attempting to complete (commit or back out) all active global transactions that involve the indicated database in response to

- a request from an Online Services user; or
- an `ADAEND` command issued to the indicated database.

Action This message is for information only.

ATM069_10 TRANSACTIONS CANNOT BE QUIESCED. DB/ERR: dbid/err

Explanation The indicated error occurred while the ATM daemon was trying to quiesce transactions involving database "dbid". As a result, ATM was unable to complete one or more transactions.

Action Refer to the descriptions of the possible **error codes**. If the appropriate action is not clear, contact your Software AG support representative.

ATM070_10 LOCAL TRAN(S) STILL IN DOUBT ON DB dbid

Explanation ATM attempted to complete (commit or back out) all active global transactions that involve the indicated database, but at the end of the process, at least one transaction or transaction branch involving the database remained active.

Action This message may be preceded or followed by messages requiring action. If so, refer to the explanations of those messages.

ATM071_10 FOLLOWING TMS IN ERROR: id-list

Explanation While the ATM daemon was attempting to quiesce transactions on a database, it asked one or more partner ATM daemons to do the same, but one or more of them returned an unexpected error. The message lists up to four partner ATM daemons that failed to carry out its request.

Action Use Online Services to check the status of the indicated ATM nodes and, if necessary, to quiesce each ATM daemon's transactions for the required database.

ATM072_10 HEURISTIC TERMINATIONS MAY RESULT

Explanation This message is preceded by message ATM068 and one or more of the messages ATM069, ATM070, and ATM071.

The database indicated in message ATM068 received an ADAEND command and asked ATM to quiesce its global transactions. At the end of the process, at least one transaction or transaction branch involving the database remained active.

Any such transaction or transaction branch is heuristically terminated when its TT time limit expires, which could result in mixed completion of the related global transactions.

Action This message warns of the impending loss of global transaction integrity for those global transactions that are still active.

Use Online Services to identify the transactions that could not be quiesced.

Any transaction that remains active when its TT time limit expires is heuristically committed. To prevent this, if appropriate, use Online Services to forcibly back out any such transaction.

ATM073_10 DB ACTIVITY NOT QUIESCED. CHECK ATM DAEMON nodeID

Explanation A DTP=RM nucleus that received an ADAEND command requested the ATM daemon with the indicated Node ID to quiesce its global transactions. The request failed.

Action Check that the indicated ATM daemon is active, and check for error messages issued by it. Use Online Services to ask the ATM daemon to quiesce transactions on the database.

ATM074_10 RRMS REPORTED ERROR. FNC/RF/COMMID: fnc/rf/comm-id

Explanation A problem was encountered with a transaction that is (or should be) under the control of RRMS. The RRMS function in error and its return code (values “fnc” and “rf”) are provided, together with the 28-byte Communications ID of the user who owns the transaction.

Action Check the RRMS documentation to determine the meaning of the return code (value “rf”). If the cause of the problem is still not apparent, contact your Software AG support representative, noting the values of “fnc” and “rf”.

ATM075_10 RRMS REPORTED EXIT MANAGER UNAVAILABLE

Explanation **Note:** This message appears on the console, but not in the DDPRINT report.

ATM is interfacing to RRMS and has been notified that one of the RRMS exit managers has become unavailable. ATM continues to interface to RRMS once the exit manager has restarted.

Action Report the problem to your systems programming staff.

ATM076_10 RRMS REPORTED EXITS UNSET. REASON: rrrr

Explanation **Note:** This message appears on the console, but not in the DDPRINT report.

ATM is interfacing to RRMS and has been notified that its exits have become unavailable.

Action Check the console log for other messages that may indicate the cause of the problem. Check the RRMS documentation to determine the meaning of the reason code (value "rrrr"). If possible, correct the problem and restart ATM. If the cause of the problem is not apparent, contact your Software AG support representative, noting the value of "rrrr".

ATM077_10 RRS EXIT FAILED. X: xx R: rr AB: aaaaaaaa ABR: nnnnnnnn

Explanation **Note:** This message appears on the console, but not in the DDPRINT report.

ATM is interfacing to RRMS and an error has occurred in one of its exit routines. The message details the exit number ("xx"), failure reason ("rr"), ABEND code ("aaaaaaaa") and reason code ("nnnnnnnn").

Action If the cause of the problem is not apparent from the details of the message, contact your Software AG support representative, noting all the values given in the message.

ATM078_10 EXTERNALLY-OWNED TRANSACTION INCOMPLETE. DB/TC: ddddd/cccc

Explanation A database is trying to shut down in response to an `ADAEND` command; the ATM daemon has been asked to quiesce any transactions that involve the database, but has been unable to complete the process because at least one of those incomplete transactions is under the control of an external transaction coordinator. The database will not shut down until all global transactions are completed or backed out. The message identifies the database that is being shut down (value "ddddd") and the external transaction coordinator (value "cccc").

Action Use the facilities of the external transaction coordinator to force the completion or removal of the incomplete transactions. The transactions can be identified by the Online Services application.

ATM080_08 'STOP ALL USERS' REQUESTED BY USER userid

Explanation An Online Services user issued a stop all users request. "Userid" is the last 8 bytes of the user's Communication ID.

Action This message is for information and audit purposes only.

ATM081_08 'FORCE STOP ALL USERS' REQUESTED BY USER userid

Explanation An Online Services user issued a force stop all users request. "Userid" is the last 8 bytes of the user's Communication ID.

Action This message is for information and audit purposes only.

ATM082_08 SELECTIVE MASS STOP USERS REQUESTED BY USER userid

Explanation An Online Services user issued a selective mass stop users request. "Userid" is the last 8 bytes of the user's Communication ID.

Action This message is for information and audit purposes only.

ATM083_08 FORCED SELECTIVE MASS STOP USERS REQUESTED BY USER userid

Explanation An Online Services user issued a forced selective mass stop users request. "Userid" is the last 8 bytes of the user's Communication ID.

Action This message is for information and audit purposes only.

ATM084_10 TRANSACTION BRANCH FORCIBLY COMPLETED. COMMID: commid

Explanation In response to a forced stop users request from an Online Services user, ATM forced completion of the local branch of the transaction belonging to the user whose ID appears in the following ATM087 message. If the transaction had previously been prepared, ATM committed the branch; otherwise, ATM backed out the branch.

Action This message is for information and audit purposes only.

ATM085_10 TRANSACTION DETAILS TRANSFERRED TO JOURNAL. COMMID: commid

Explanation In response to a forced stop users request from an Online Services user, the ATM daemon purged the transaction (branch) belonging to the user whose ID appears in the following ATM087 message. Details of the transaction (branch) can be found in the ATM suspect transaction journal file.

Action This message is for information and audit purposes only.

ATM086_10 RECOVERY RECORD DELETED FOR COMMID: commid

Explanation In response to a request from an Online Services user, the ATM daemon purged from its recovery file, recovery information relating to the user whose ID appears in the following ATM087 message.

Action This message is for information and audit purposes only.

ATM087_10 commid

Explanation This message relates to the message(s) immediately preceding it, and gives the 28-byte Communication ID (commID) of the user associated with the earlier message(s).

Action Refer to the explanation of preceding message(s).

ATM088_10 ERROR TRANSFERRING TO STJ

Explanation This message might be issued during forced restart of an ATM daemon, and indicates that a transaction that could not be completed could not be moved to the suspect transaction journal file. Subsequent messages provide more details of the error.

Action Refer to explanation of following message(s).

ATM089_10 DATA TRANSFERRED TO STJ FOR USER userid

Explanation This message might be issued during forced restart of an ATM daemon, and indicates that a transaction that could not be completed has been moved to the suspect transaction journal file. "Userid" is the ETID or Client ID of the transaction's owner.

Action This message is for information and audit purposes only.

ATM090_04 FORCED PRR DELETION REQUESTED BY USER userid

Explanation The specified user forcibly deleted a recovery record from the ATM daemon's database using the Online Services application. "userid" is the last 8 bytes of the user's Communication ID.

Action The message is for information and audit purposes only.

ATM091_04 PRR DELETION FOR COMMID:

Explanation A recovery record was deleted from the ATM daemon's database using the Online Services application. The Communication ID of the associated user is reported in an ATM087 message immediately after the ATM091 message.

Action The message is for information only.

ATM095_08 COMMAND NOT RECOGNIZED

Explanation An invalid operator command was entered.

Action Issue the command correctly.

ATM096_08 ATM LOGGING IS ACTIVE

Explanation This message is issued during initialization of an ATM daemon when `TMLOG=YES` is specified or in response to a `TM LOG` command from the operator. Events will be logged in the ATMLOG1/2 datasets.

Action This message is for information only.

ATM097_08 ATM LOGGING IS INACTIVE

Explanation This message is issued in response to a `TM NOLOG` command from the operator. Events will not be logged in the ATMLOG1/2 datasets.

Action This message is for information only.

ATM098_08 ATM LOGGING IS NOT POSSIBLE

Explanation This message is issued in response to a `TM LOG` command from the operator. The ATM daemon was started with `TMLOG=NEVER`, which means that logging to the ATMLOG1/2 datasets is not permitted.

Action If you need to run with logging active, specify a suitable `TMLOG` parameter and restart the ATM daemon.

ATM099_08 ATM CLOSEDOWN REQUESTED

Explanation The operator entered the command `TM END`.

Action This message is for information only.

ATM100_08 ATM IMMEDIATE CLOSEDOWN REQUESTED

Explanation The operator entered the command `TM HALT`.

Action This message is for information only.

ATM101_08 ATM CLOSEDOWN PROCESS STARTED

Explanation The ATM daemon is in the process of closing down.

Action This message is for information only.

ATM102_10 DB CLOSEDOWN ERROR; ID/RSP/SUB/RC: dbid/rsp/subcode/rc

Explanation An `ADAEND` command was entered for the database "dbid", but the ATM daemon encountered an unexpected condition during the close-down sequence. Either a response code and subcode will be given ("rsp/subcode"), or an ATM error code ("rc").

Action Refer to the description of the Adabas response code or the ATM error code. If the appropriate action is not clear, contact your Software AG support representative.

ATM103_08 TM END PENDING, INCOMPLETE TRANSACTIONS REMAIN

Explanation A `TM END` operator command was issued, but the ATM daemon could not close down because one or more global transactions were incomplete. The daemon will terminate as soon as the remaining incomplete transactions are resolved. In the meantime, this message will be re-issued at intervals of approximately 60 seconds.

Action Wait for the incomplete transactions to be resolved, or use the `TM HALT` command to cause the ATM daemon to terminate immediately, leaving the incomplete transactions to be resolved the next time it is activated.

ATM110_04 SESSION STATISTICS:

Explanation This message is issued during ATM daemon termination. Statistical messages follow.

Action This message is for information only.

ATM113_04 HIGH-WATER MARKS: MAX HWM HITS FIRST HIT

Explanation This message is issued during ATM daemon termination, or in response to a `TM DSTAT` operator command. Additional statistical messages (ATM114) follow.

Action This message is for information only.

ATM114_04 item max-value high-water-mark hit-count time-of-first-hit

Explanation This message is issued several times during ATM daemon termination, or in response to a `TM DSTAT` operator command, once for each of several resources in the ATM nucleus. For each resource:

- item: identifies the ATM resource
- max-value (where shown): the maximum value permitted in this execution of the ATM daemon
- high-water-mark: the highest value recorded
- hit-count: the number of times the high-water mark value has been reached
- time-of-first-hit: the date and time at which the current high-water mark was first reached, in the format YY/MM HH:MM

Action This message is for information only.

ATM116_04 TRAN TIMES: MILLISECS TRAN COUNT COMMITTED BACKED OUT

Explanation This message is issued during ATM daemon termination, or in response to a `TM DSTAT` operator command. Additional statistical messages (ATM117) follow.

Action This message is for information only.

ATM117_04 millisecs tran-count committed backed-out

Explanation This message is issued several times during ATM daemon termination, or in response to a `TM DSTAT` operator command, once for each statistical time range maintained by the ATM daemon. These messages together present a table which is equivalent to the Transaction Times statistical display that is available in the Online Services application. Refer to the description of this display for further details.

Action This message is for information only.

ATM119_04 STATISTICS HAVE BEEN RESET

Explanation This message is issued when the ATM daemon's statistics are reset to zero, in response to a `TM RSTAT` operator command or an equivalent request from an Online Services user.

Action This message is for information only.

ATM122_20 DTP SIGN-ON FAILED, DB/DMN/RSP/SUB/RC: dbid/daemon/rsp/sub/rc

Explanation This message can be issued by a database for which the ADARUN parameter `DTP=RM` was specified, or by a SYSCO daemon. It can appear during an attempt to sign a database on to an ATM daemon for distributed transaction processing. This can happen during initialization of an ATM daemon or a SYSCO daemon, or when the database is started. The message indicates that an unexpected condition was detected. It includes the "dbid" of the database, the job name ("daemon") of the ATM daemon, and might also contain a response code ("rsp"), subcode ("sub") and return code ("rc") for the error.

Action If this message is followed by an ATM124 message from the database identified in the message detail, this indicates that the error condition was transient, and that the DTP sign-on has now taken place. If there is no ATM124 message, and if the cause of the error is not clear from the description of the response code, subcode and return code, report the details to your Software AG support representative, noting the values of the variables in the message.

ATM124_08 DB dbid SIGNED ON FOR DTP WITH ATM NODE nodeid

Explanation This message might be issued by a `DTP=RM` database that is initializing. The nucleus has signed on for distributed transaction processing with the local ATM daemon, the ID of which is "nodeid". In the case of a `DTP=RM` nucleus which is part of an Adabas Parallel Services cluster or an Adabas Cluster Services cluster, the message gives the ID of the nucleus, not the DBID of the cluster, and begins, "NC dbid SIGNED ON …".

Action This message is for information only.

ATM125_10 ATM NOT ACTIVE. ADAEND CANNOT COMPLETE.

Explanation An `ADAEND` command was entered for database "dbid", but the normal process of quiescing open transactions could not occur because the ATM daemon was not active. The database does not close down.

Action Activate the ATM daemon and use the Online Services application to quiesce any open transactions on the database. When you are sure that all global transactions involving the database have been completed or backed out, you can close down the database with a `HALT` command.

Caution: If you issue a `HALT` command while there are incomplete global transactions, the integrity of those transactions can no longer be guaranteed.

ATM126_04 RM SIGN-OFF — NO UNRESOLVED TRANSACTIONS: dbid

Explanation The ATM daemon issues this message when a DTP=RM database identified by "dbid" terminates with no outstanding transactions involving the database. If the terminating database is part of an Adabas Parallel Services or Adabas Cluster Services cluster, the value "dbid" might have the form "Nuc nnnnn", where nnnnn is the ID of the terminating nucleus.

Action This message is for information only.

ATM127_04 RM SIGN-OFF — UNPREPARED TRANSACTIONS REMAINING: dbid

Explanation The ATM daemon issues this message when a DTP=RM database identified by "dbid" terminates with outstanding unprepared transactions involving the database. If the terminating database is part of an Adabas Parallel Services or Adabas Cluster Services cluster, the value "dbid" might have the form "Nuc nnnnn", where nnnnn is the ID of the terminating nucleus.

Action This message is for information only.

ATM128_04 RM SIGN-OFF — PREPARED TRANSACTIONS REMAINING: dbid

Explanation The ATM daemon issues this message when a DTP=RM database (dbid) terminates with outstanding prepared transactions involving the database. If the terminating database is part of an Adabas Parallel Services or Adabas Cluster Services cluster, the value "dbid" might have the form "Nuc nnnnn", where nnnnn is the ID of the terminating nucleus.

Action In the case of a normal database, restart the database with DTP=RM. If the message identifies a nucleus within an Adabas Parallel Services or Adabas Cluster Services cluster, and there is another nucleus in the cluster which is still executing, no action is necessary; otherwise, restart a member of the cluster, with DTP=RM.

Caution: If the database is started with DTP=NO, data integrity cannot be guaranteed.

ATM130_20 ATM PROXY INITIALIZATION FAILED

Explanation This message can be issued by a job or TP system for which the job parameter ATM=ON has been specified. It indicates a fatal error which prevented the ATM proxy from initializing.

Action Check for earlier messages which might indicate the reason for the failure. If the cause of the error is not clear, contact your Software AG support representative.

ATM131_10 RMI RESYNC ERROR. SYS/RC/RC2 sys/rc/rc2

Explanation An error occurred during the synchronization process that takes place during ATM daemon or CICS restart when the CICS Resource Manager Interface is in use. The message provides the System ID of the CICS system (value "sys"), a CICS or ATM error code (value "rc"), and possibly a secondary return code or Adabas response code (value "rc2").

Action Refer to the descriptions of the possible **error codes**. If possible, correct the error and restart the ATM daemon; otherwise report the details to your Software AG support representative.

ATM132_10 RMI RESYNC ERROR. SYS/CD/RSP sys/cd/rsp

Explanation An error occurred during the synchronization process that takes place during ATM daemon or CICS restart when the CICS Resource Manager Interface is in use. The message provides the System ID of the CICS system (value “sys”), a CICS command or function name (value “cd”), and CICS response code (value “rsp”).

Action Refer to the CICS documentation for an explanation of the error condition. If possible, correct the error and restart CICS; otherwise report the details to your Software AG support representative.

ATM133_10 RMI SYNCPOINT ERROR. URID urid

Explanation An error occurred during syncpoint processing of a transaction that was under the control of the CICS syncpoint manager. The CICS Unit-of-Recovery ID (value “urid”) belonging to the transaction is displayed.

Action This message is followed by message ATM134, which gives more information about the error.

ATM134_10 RMI SYNCPOINT ERROR. SYS/RC/RSP sys/rc/rsp

Explanation This message follows message ATM133 and provides details of an error that occurred during syncpoint processing under the control of the CICS syncpoint manager. The message provides the System ID of the CICS system (value “sys”), an ATM error code (value “rc”), and, depending on the ATM error code, a CICS or Adabas response code (value “rsp”).

Action Refer to the relevant documentation for an explanation of the error condition. If the cause is not then apparent, report the details to your Software AG support representative.

ATM135_10 RMI RESYNC ERROR. APP/CD/RSP app/cd/rsp

Explanation An error occurred during the synchronization process that takes place during ATM daemon or CICS restart when the CICS Resource Manager Interface is in use. The message provides the Application ID of the CICS system (value “app”), a CICS command or function name (value “cd”), and an error code (value “rsp”). If the error code begins with the character “R”, the remaining digits are an ATM error code; otherwise the value of “rsp” is a CICS response code.

Action Refer to **ATM error codes** or to the CICS documentation, as appropriate, for an explanation of the error condition. If possible, correct the error and restart CICS and, if necessary, the ATM daemon; otherwise report the details to your Software AG support representative.

ATM136_10 RMI RESYNC ERROR. APP/RC app/rc

Explanation An error occurred during the synchronization process that takes place during ATM daemon or CICS restart when the CICS Resource Manager Interface is in use. The message provides the Application ID of the CICS system (value “app”) and an ATM error code (value “rc”). This message may be followed by an ATM087 message indicating the Communications ID of the transaction’s owner.

Action Refer to the descriptions of the possible **error codes**. If possible, correct the error and restart the ATM daemon; otherwise report the details to your Software AG support representative.

ATM137_10 EXCI COMMAREA COULD NOT BE ADDRESSED

Explanation An internal error occurred during the synchronization process that takes place during ATM daemon restart when the CICS Resource Manager Interface is in use.

Action Report the error to your Software AG support representative. You may bypass the problem by restarting your CICS systems after the ATM daemon has initialized.

ATM138_10 RMI RESYNC ISSUED. SYS sys

Explanation This message can appear during restart of an ATM daemon or a CICS system in an environment in which some transactions are controlled by the CICS Syncpoint Manager. It indicates that resynchronization processing will be carried out for incomplete transactions controlled by the CICS system with the System ID “sys”.

Action This message is for information only.

ATM139_10 RMI resync complete. Sys sys

Explanation This message appears in an environment in which some transactions are controlled by the CICS Syncpoint Manager. The message follows restart of an ATM daemon or a CICS system and indicates that the synchronization process has executed for incomplete transactions controlled by the CICS system with the System ID “sys”.

Action This message does not necessarily indicate that every incomplete transaction was resolved satisfactorily. Check the console log for other messages which might indicate a problem.

ATM140_10 ATM PROXY DETECTED cmd DB dbid RSP rsp AD2 Xadditions-2

Explanation This message is issued by the ATM proxy for the first ATM-related error incurred by each user. The message can include a command code, Database ID, response code and Additions-2 data, providing further information about the error. This message is followed by ATM087 messages which give the 28-byte Communication ID of the user, first in character form, and then in hexadecimal.

Action Check the meaning of the indicated response code and Additions-2 data. If the cause of the error is not apparent, contact your Software AG support representative, noting all the values given in the message.

ATM141_04 DTP DISABLED FOR THIS JOB BY JOB PARM

Explanation This message is issued by the ATM proxy. It indicates that users executing within this job have been exempted from distributed transaction processing by the setting of a job parameter.

Action This message is for information only.

ATM144_08 SYSTEM COORDINATOR GROUP NAME NOT SPECIFIED

Explanation This message can be issued by a client job. It indicates that the ATM job parameters in effect for this job do not include the name of an Adabas System Coordinator Group. ATM processing will not be activated for the job.

Action Use the Online Services application to specify the name of the System Coordinator Group in which the job will execute.

ATM160_10 SYSCO DAEMON ERROR; ID/RSP/SUB/FNC/SBF/ERR: id/rsp/sub/fnc/sbf/err

Explanation This message can appear during restart of an ATM daemon. It indicates that a call to an Adabas System Coordinator daemon returned an unexpected result. The message will include at least some of the following: the Node ID (id) of the Adabas System Coordinator daemon, the response code (rsp) and subcode (sub) returned by the Adabas System Coordinator daemon, the function and subfunction codes of the call (fnc and sbf), and an error code (err).

Action If the cause of the error is not apparent from the description and content of the message, contact your Software AG support representative.

ATM161_04 UNABLE TO INITIALIZE; WILL RETRY.

Explanation This message can appear during restart of an ATM daemon. It indicates that a transient error has occurred, such as the unavailability of the local Adabas System Coordinator daemon. The ATM daemon will try to initialize again after a short period, during which time the cause of the failure might be rectified. The daemon will retry repeatedly, until it initializes successfully, or until it is terminated by operator command.

Action A previous message should indicate why the daemon could not initialize. Check for such a message and respond accordingly.

ATM163_04 ERROR DELETING PER; RSP/SUB/CMD: rsp/sub/cmd

Explanation This message indicates that an error occurred while deleting a Persistent Error record. The message contains the following diagnostic information: a response code and subcode (rsp and sub) and a command code (cmd).

Action If the cause of the error is not apparent from the description and content of the message, contact your Software AG support representative.

ATM164_04 ERROR DELETING PER; ERR: err

Explanation This message indicates that an error occurred while deleting a Persistent Error record. The message contains an ATM error code (err).

Action If the cause of the error is not apparent from the description and content of the message, contact your Software AG support representative.

ATM167_10 MTR PROCESSING ERROR; ID/ERR/RSP/SUB/CMD: id/err/rsp/sub/cmd

Explanation This message indicates that an error occurred while processing a migrated transaction record in an Adabas Cluster Services or Parallel Services environment. The message will contain at least some of the following diagnostic information: a database or Node ID (id), an error code (err), a response code and subcode (rsp and sub) and a command code (cmd). The user's transaction is backed out, and a pending response code 9, subcode 77 is set.

Action If the cause of the error is not apparent from the description and content of the message, contact your Software AG support representative.

ATM168_10 CLIENT MIGRATED, BUT NO MTR FILE DEFINED

Explanation This message indicates that a user who had an open transaction has been migrated from one node to another within a cluster (for example, CICSplex), but ATM cannot handle this user's transaction safely because no Migrated Transaction Record (MTR) file has been defined. The user's transaction is backed out, and a pending response code 9, subcode 77 is set.

Action Define and create an MTR file, and restart the ATM daemons and clustered application environments in the COR group.

ATM169_10 MTR FILE IS NOT DEFINED

Explanation This is a warning message, and it can appear during initialization of an ATM daemon. It indicates that no Migrated Transaction Record (MTR) file definition was found. An MTR file is required if you use application environments in which a user who is not at global transaction status can be migrated around a cluster (for example, CICSplex, with ATM job parameter `TRANMODE=DYNAMIC`).

Action If your application environments are such that no MTR file is needed, you can ignore this message, or suppress it by making a dummy MTR file definition using SYSCOR. Otherwise, define and create an MTR file, and restart the ATM daemons and clustered application environments in the COR group.

4 Adabas Transaction Manager Error Codes

Although many of the following error codes are handled internally, some may appear in console messages or in the Additions 2 field of Adabas control blocks. If the required action is not clear from the explanations of the console messages or error codes, contact your Software AG technical support representative for advice.

error 012

Explanation Status conflict - transaction is in prepare phase

error 016

Explanation Status conflict - transaction is in backout phase

error 020

Explanation Queue management error - item not found

error 024

Explanation Invalid service call

error 028

Explanation Insufficient memory for a new global user queue entry

error 032

Explanation Insufficient memory for a new entry in the target database list

error 036

Explanation Attempt to add a duplicate global user queue element

error 040

Explanation Insufficient memory for a new global user queue index entry

error 044

Explanation Invalid global user queue element address

error 048

Explanation Syncpoint request did not come from CICS RMI

error 052

Explanation Status conflict - target is in prepare phase

error 056

Explanation Status conflict - target is in backout phase

error 060

Explanation Queue management error

error 064

Explanation Unexpected Adabas response code

error 068

Explanation No target was updated

error 072

Explanation No transaction is open

error 076

Explanation Transaction (branch) backed out

error 080

Explanation Transaction (branch) partially backed out

error 084

Explanation Local or remote ATM daemon not available

error 086

Explanation Backout was attempted because the global transaction time limit was exceeded.

error 088

Explanation The ATM daemon did not receive the request

error 092

Explanation Target not prepared

error 096

Explanation Incorrect positioning data in service call

error 100

Explanation ETID already in use — new `OP` command required

error 104

Explanation Invalid service call type

error 108

Explanation ETID conflict

error 112

Explanation Function not implemented

error 116

Explanation More than one target DB record found

error 120

Explanation Transactions on the target database are being quiesced

error 124

Explanation Transactions on the target database were not fully quiesced

error 128

Explanation Heuristic completion (commit or back out) by either ATM or a `DTP=RM` database may have caused inconsistent `ET` data

error 132

Explanation Transaction status conflict

error 136

Explanation Unable to complete existing transaction

error 140

Explanation ATM session number mismatch during RMI synchronization

error 144

Explanation Handshake information buffer overflow

error 148

Explanation ATM restart processing aborted by operator

error 152

Explanation Error reading ET data

error 156

Explanation User is already active

error 160

Explanation Insufficient memory for a new Adabas buffer area

error 164

Explanation All required target databases and ATMs are unavailable

error 168

Explanation Duplicate transaction coordinator record in PRR file

error 172

Explanation Transaction (branch) not prepared

error 176

Explanation Invalid status for NONDTP override

error 180

Explanation Committed, outcome pending

error 184

Explanation Transaction is in commit phase

error 188

Explanation A target database is not signed on for distributed transaction processing

error 192

Explanation A target is in commit phase

error 196

Explanation Proxy parameter error in V1 call forwarding

error 200

Explanation Syncpoint request did not come from RRS

error 204

Explanation Non-zero response set in ACB

error 208

Explanation Handshake collision between two ATM daemons

error 212

Explanation Partner ATM failed to prepare

error 216

Explanation Partner ATM failed to commit

error 220

Explanation Partner ATM failed to back out

error 224

Explanation Mixed transaction completion

error 228

Explanation An RRMS error occurred

error 232

Explanation RRMS gave an invalid exit number

error 236

Explanation A CICS/RMI syncpoint operation failed

error 240

Explanation The RMI is not enabled

error 244

Explanation Command type invalid for wrapping

error 248

Explanation Client ID already exists in the global user queue

error 252

Explanation No free DRQ slots - `TMDRQ` parameter is too small

error 256

Explanation Command not handled - send to local ATM daemon

error 260

Explanation A CICS command issued by the synchronization manager failed

error 264

Explanation TRUE work area is not valid

error 268

Explanation TRUE has not fully initialized

error 272

Explanation A local database returned response 148

error 276

Explanation Mode override not valid in user's current status

error 280

Explanation A user attempted to use more than 191 databases at once

error 284

Explanation Incomplete handshake information element

error 288

Explanation The ATM daemon is running in "local only " mode (`TMNODES=0`)

error 292

Explanation Database ID already in the target list

error 296

Explanation The target DB list index is full - `TMTARGETSG` parameter is too small

error 300

Explanation The partner ATM node table is full - inadequate `TMNODES` parameter

error 304

Explanation Insufficient memory

error 308

Explanation No dynamic Client IDs available - `TMDYNTCIDS` parameter is too small

error 312

Explanation Adabas buffer area too small

error 316

Explanation Invalid dynamic Client ID detected

error 320

Explanation Command not valid - transaction branch open

error 324

Explanation User not known to local ATM daemon

error 328

Explanation User not known to partner ATM daemon

error 332

Explanation Conflicting activity for transaction

error 336

Explanation Request should be sent to root ATM daemon

error 340

Explanation A user attempted to use more than 191 ATM daemons in the same transaction

error 344

Explanation 'Forget branch' failed

error 348

Explanation Transaction ID conflict

error 352

Explanation Record buffer too small

error 356

Explanation Maximum number of open databases exceeded. Increase the appropriate job parameter.

error 360

Explanation Transaction has been committed

error 364

Explanation Transaction has been prepared

error 368

Explanation Unsolicited syncpoint not allowed

error 372

Explanation Bad return code from ADASVC

error 376

Explanation Invalid Database ID

error 380

Explanation A CICS command failed during an RMI syncpoint operation

error 384

Explanation XID mismatch was detected during an RMI syncpoint operation

error 388

Explanation RMI reported “should not be in doubt”

error 392

Explanation RMI reported the transaction “lost to cold start”

error 396

Explanation Attempt to change two `DTP=ET` databases in a single transaction

error 400

Explanation Transaction’s status on a `DTP=ET` database is not known

error 404

Explanation A `DTP=ET` database failed to commit

error 408

Explanation A `DTP=ET` database cannot be changed by a transaction that is controlled by an external coordinator

error 412

Explanation Version mismatch; use ATM components of same version everywhere

error 416

Explanation RQE overflow; DB list truncated

error 420

Explanation An IMS/TM ROLLBACK function failed; reason code in Additions-2

error 424

Explanation Invalid request for Unsolicited Syncpoint Participant status

error 428

Explanation DB has conflicting local/remote information

error 432

Explanation Null Communications ID detected

error 436

Explanation Multiple `ET` data records detected

error 440

Explanation Multiple migrated transaction records were found

error 444

Explanation The RRMS stubs have not been linked to ATMKRN in the application environment

error 448

Explanation The parameter setting `LCLSYNC=YES` was specified, but the CICS RMI components have not been configured correctly

error 452

Explanation An unexpected return code was given by a SYSCO daemon

error 456

Explanation An unexpected and unnecessary call was received from a SYSCO daemon

error 460

Explanation Response 9 occurred during the client proxy's check for `DTP=RM`

error 464

Explanation An invalid ISN was given for a Persistent Error record.

error 468

Explanation There is a non-zero response code pending for the session.

error 484

Explanation An ATM transaction manager detected an invalid service call to its own database.

5 Response Codes and Subcodes

RC 9

Explanation When Adabas Transaction Manager is in use, a response code 9 can be accompanied by one of the following subcodes in the Adabas control block Additions 2 field, in the low-order (rightmost) two bytes:

Subcode	Explanation and Recommended Action
75	A commit operation involving an external transaction coordinator failed. ATM attempted to back out the transaction. Check the external transaction coordinator for the reason. Check for error messages from ATM daemons or the ATM proxy of the failing job.
76	An error occurred while an ATM daemon was attempting to rebuild the transaction hierarchy of a user who has migrated from another ATM daemon's domain as a result of dynamic transaction routing. ATM attempted to back out the transaction. Check the status of the transaction using Online Services. Check for error messages from ATM daemons or the ATM proxy of the failing user.
77	This message indicates that the user had an open transaction and has been migrated from one node to another within a cluster (Sysplex), but ATM could not handle the transaction safely because no Migrated Transaction Record (MTR) file had been defined. The transaction was therefore backed out. Define and create an MTR file, and restart the ATM daemons and clustered application environments in the COR group.
78	It was not possible to commit the user's transaction because of a pending `ET` syncpoint on a target database. This could be because of a concurrent online save operation, database termination, or a `SYNCC` operator command. Backout of the incomplete transaction was attempted. Restart the transaction when the pending `ET` syncpoint has been completed.
80	The user was not at `ET` status in the target database. Backout of the incomplete transaction was attempted.

Subcode	Explanation and Recommended Action
	Restart the transaction.
81	A memory shortage in the ATM daemon address space caused the current global transaction to be backed out. Increase the amount of memory available to the ATM daemon, restart it, then restart the transaction.
82	A memory shortage occurred in the ATM daemon address space, and ATM attempted to back out the current global transaction. Increase the amount of memory available to the ATM daemon, restart it, then restart the transaction.
83	An error occurred during a commit or backout operation for a global transaction. ATM attempted to back the transaction out. If the cause of the error is not apparent from console messages, contact your Software AG technical support representative.
84	ATM reported conflicting use of the user's ETID. This is possible, for example, if a user survives a restart of the ATM daemon. For an `RE` command, this subcode will be returned if the user is known to ATM but has no ETID. The user must issue a `CL` command to each open database; then re-open.
85	The global transaction time limit (`TMGTT`) has been exceeded, and an attempt has been made to back out the global transaction. Correct the cause of the timeout, then restart the transaction.
86	The global transaction time limit (`TMGTT`) has been exceeded, and the global transaction has been backed out. Correct the cause of the timeout, then restart the transaction.
89	One of the following occurred: ■ An attempt was made to back out the global transaction because, after a period of inactivity, a new user session was started with the same ETID. In this case, close the user session. ■ A user who was executing under the CICS Resource Manager Interface had an incomplete transaction when the CICS system terminated, and the transaction was backed out during restart of the CICS system. In this case, repeat the transaction, if desired.
90	The ATM proxy detected either an inconsistency between its view of the user's status and the ATM daemon's view, or that the ATM daemon had restarted. It attempted to back out on all target databases. Close the user's sessions and start them again.
91	Transactions on a target database were being quiesced, or an administrator issued a stop request for the user via ATM Online Services or operator command, or there

Subcode	Explanation and Recommended Action
	was a pending ET syncpoint on the database. Backout of the incomplete transaction was attempted. Restart the transaction when all required target databases are available.
92	Transactions on a target database were being quiesced, or an administrator issued a stop request for the user via ATM Online Services or operator command, or there was a pending ET syncpoint on the database. The incomplete transaction was backed out. Restart the transaction when all required target databases are available.
93	An error occurred while ATM was attempting either to start a new global transaction or to bring a new database into a transaction. The proxy backed out changes from all databases. The next command issued returns details of the error that caused the backout. Check the meaning of the response code and act accordingly.
94	An error occurred while ATM was attempting either to start a new global transaction or to bring a new database into a transaction. The proxy attempted to back out changes from all databases. The next command issued returns details of the error that caused the backout. Check the meaning of the response code and act accordingly.
95	The user's transaction was controlled by an external transaction coordinator, which reported that the transaction has been backed out. Restart the transaction.
96	The user's transaction was controlled by an external transaction coordinator, which reported "backed out, outcome pending" for the transaction. This means that backout has begun for the transaction, and will be completed when all the resource managers involved in it are able to comply with the backout request. Restart the transaction.
97	The CICS Resource Manager Interface is in use, and the ATM proxy detected that the user's Task Interface Element (TIE) was being used by another user. If this condition occurs when running Natural in such a way that two Adabas sessions are maintained for each user, ensure that Natural zaps NA44231 and NA45010 are applied (both are present in Natural v3.1.6). Further, if the user executes with TRANMODE=MESSAGE, ensure that Natural will issue an OP command for its system session; for example, supply a non-blank ETID, or use the Natural DBOPEN parameter. If the error persists, contact your Software AG support representative.
98	The user was executing in serial mode, and requested that changes be committed. Some of the changes were committed, and some were backed out. Examine the results of the transaction. If necessary, correct the result by manual intervention.
99	The user incurred a security response code; ATM backed out the user's changes.

Subcode	Explanation and Recommended Action
	If security permissions are not adequate, correct them and rerun the transaction.

RC 48

Explanation When Adabas Transaction Manager is in use, a response code 48 can be accompanied by one of the following subcodes in the Adabas control block Additions 2 field, in the low-order (rightmost) two bytes:

Subcode	Explanation and Recommended Action
25	The user has an open global transaction that could not be backed out because it is under the control of an external transaction coordinator and its status is "in doubt". Depending on the transaction coordinator, you may have a choice of actions: ■ Wait for the external transaction coordinator to complete or back out the existing transaction. ■ Use the coordinator's facilities to force completion or removal of the transaction. ■ Restart the transaction coordinator to cause resynchronization of in-doubt transactions. ■ Use ATM Online Services to force backout of the local, Adabas-related part of the global transaction. **Caution:** Using ATM Online Services to force backout of the local, Adabas-related part of the global transaction could result in loss of transaction integrity.
26	The User ID specified in the `OP` command is already in use by another user. Wait for the existing user's session to time out, or force it using ATM Online Services. **Caution:** If the existing user has a global transaction in progress, the second option could result in loss of transaction integrity.

RC 240

Explanation ATM encountered an error. The error code can be found in the Adabas control block Additions 2 field, in the low-order (rightmost) two bytes. A response code may occur in the first two bytes of the Additions 2 field.

Action Check the meaning of the **error code**. If the cause of the problem is not apparent, contact your Software AG technical support representative.

RC 241

Explanation ATM received an unexpected Adabas response code. The subcode and response code can be found, in that order, in the Adabas control block Additions 2 field. If a positive response code value appears in the Additions 2 field, the response code was detected by the ATM daemon. If a negative response code value appears in the Additions 2 field, take its complement: this is the response code received by the proxy's attempt to communicate with the ATM daemon.

Action Check the meaning of the Adabas response code and subcode. If the cause of the problem is not apparent, contact your Software AG technical support representative.

RC 242

Explanation The ATM daemon or ATM proxy was unable to determine the status of the caller's transaction. There might be an ATM error code in the Adabas control block Additions 2 field, in the low-order (rightmost) two bytes.

Action Check the meaning of the **error code** , if one is present. Otherwise, determine the status of the global transaction using Online Services. If the required action is not apparent, contact your Software AG technical support representative.

RC 243

Explanation The ATM daemon or ATM proxy received an unsolicited syncpoint request. The action taken or the status of the global transaction that was open is indicated by a subcode in the Adabas control block Additions 2 field, in the low-order (rightmost) two bytes.

Action Review the ATM daemon's `TMSYNCMGR` ADARUN parameter and the `TRNCTL`, `LCLSYNC`, and `HSTSYNC` job parameters for the failing job.

Subcode	Explanation and Recommended Action
1	The unsolicited syncpoint request was accepted. The status of the current global transaction is not known. Use Online Services to determine the status of the global transaction.
2	The unsolicited syncpoint request was accepted. The user's global transaction has been committed.
3	The unsolicited syncpoint request was accepted. The user's global transaction has been backed out.
4	The unsolicited syncpoint request was accepted. The user's global transaction had mixed completion (partially backed out, partially committed).
5	The unsolicited syncpoint request was accepted. The user's global transaction is in backout.
6	The unsolicited syncpoint request was accepted. The user's global transaction is in commit.
7	The unsolicited syncpoint request was accepted. The user had no global transaction open.

Subcode	Explanation and Recommended Action
12	The unsolicited syncpoint was attempted, but ATM returned response code 148 so the outcome is not known.
16	The unsolicited syncpoint request was rejected.

6 User Abend Codes

The following user abend codes may be issued during ATM processing:

abend code 29

Explanation ATM daemon initialization failed. See console messages for further information.

abend code 30

Explanation The ATM daemon detected that its recovery database was not available.