

Adabas Transaction Manager

Messages and Codes

Version 8.1.2

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This document applies to Adabas Transaction Manager Version 8.1.2.

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 transaction manager's 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:

```
ATM $nnn$   $ss$  (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: <ul style="list-style-type: none">■ 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 <i>rsp/subcode</i>
Explanation	The ATM recovery database failed to open for the reason indicated.
Action	Correct the cause of the response code and restart the ATM transaction manager.
ATM003_20	UNABLE TO LOAD <i>module-name</i>
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 transaction manager could not open the DDCARD dataset.
Action	Check the DDCARD dataset.
ATM005_20	ERROR READING DDCARD
Explanation	An error occurred when the ATM transaction manager 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 transaction manager.
ATM007_20	COR GROUP ALREADY HAS MANAGER: <i>manager</i>
Explanation	The ATM manager indicated in the message is already active locally in the local COR group. It is not possible to have more than one ATM transaction manager 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 transaction manager under the same ID table and associated with the same COR group.
ATM008_10	AWAITING CONTACT FROM LOCAL SYSCO DAEMON
Explanation	The ATM transaction manager 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 transaction manager.
ATM009_20	REGISTER FOR event-type FAILED. <i>reason</i>
Explanation	The ATM transaction manager 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 Database ID has changed since ATM was last used with this RRMS system.
Action	The ATM Database ID must not be changed while there are global transactions in progress. If you have changed the Database ID and are sure that there were no incomplete global transactions, you can override this initialization error using the ADARUN parameter <code>TMRESTART=FORCE</code> .
ATM015_10	RRMS LOGNAME INCONSISTENCY OVERRIDDEN
Explanation	This message relates to the initialization of the ATM interface with RRMS. The ATM 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 <code>TMRESTART</code> .
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 <code>TMRESTART</code> to force the ATM transaction manager 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 transaction manager 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 transaction manager, but it behaves as if it is not executing as an ATM transaction manager.
Action	Check that <code>DTP=TM</code> 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 transaction manager cannot initialize until RRS is active again.
ATM020_04	RRS EXITS HAVE BEEN SET
Explanation	If the ATM transaction manager is started with the parameter <code>TMSYNCMGR=RRMS</code> , this message is issued when the ATM RRMS interface has been initialized.
ATM021_08	RRS RESTART FINISHED
Explanation	If the ATM transaction manager is started with the parameter <code>TMSYNCMGR=RRMS</code> , this message is issued when ATM transaction manager finishes telling RRS how to handle any transactions that previously failed to complete.

ATM022_20	PARM SEND TO TM 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 transaction manager that is initializing. The transaction manager's job name ("job") is given, if this is known; otherwise the transaction manager's Database ID is given. A response code ("rsp"), subcode ("sub") and return code ("rc") might also be given.
Action	Check that the transaction manager 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 transaction manager (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 transaction manager (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 <code>userid</code>
Explanation	<p>The maximum number of partner ATM transaction managers indicated by the ADARUN parameter <code>TMNODES</code> is not sufficient to perform restart processing for incomplete transactions.</p> <p>The error occurred while ATM was attempting restart processing for the user whose Client ID is "<code>userid</code>". This message is followed by an ATM087 message providing the user's 28-byte Communication ID.</p> <p>The transaction manager continues to execute, but cannot complete restart processing for transactions affected by the error.</p>
Action	Set the <code>TMNODES</code> parameter to 191 and restart ATM.
ATM028_10	DB RESTART. MAX TARGETS EXCEEDED. USER <code>userid</code>
Explanation	<p>ATM is unable to perform restart processing for an incomplete transaction because the number of databases involved in the transaction exceeds the maximum possible.</p> <p>The error was detected while ATM was attempting restart processing for the user whose Client ID is "<code>userid</code>". This message is followed by an ATM087 message providing the user's 28-byte Communication ID.</p> <p>The transaction manager continues to execute, but cannot complete restart processing for transactions affected by the error.</p>
Action	Contact your Software AG support representative.
ATM029_10	PARTNER/DB RESTART ABORTED; ID/ERR: <code>dbid/error-code</code>
Explanation	<p>The error indicated occurred during restart processing associated with the database or ATM identified by "<code>dbid</code>".</p> <p>The transaction manager continues to execute, but cannot complete restart processing for transactions affected by this error.</p>
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: <code>dbid/error-code</code>
Explanation	<p>The error indicated occurred during restart processing for an incomplete transaction. The database associated with the error is identified by "<code>dbid</code>".</p> <p>The message is followed by an ATM032 message giving the Client ID of the transaction's owner, and an ATM087 message giving the user's 28-byte Communication ID.</p>
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	<p>The error indicated occurred while ATM was attempting to synchronize restart for an incomplete transaction branch with a partner ATM transaction manager. The partner transaction manager associated with the error is identified by “dbid”.</p> <p>The message will be followed by an ATM032 message giving the Client ID of the transaction’s owner, and an ATM087 message giving the user’s 28-byte Communication ID.</p>
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 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 DB. DB/RSP/SUB/RC: dbid/rsp/sub/cmd
Explanation	An unexpected condition was encountered when the transaction manager attempted to register a database job for notification, by the SYSCO daemon, of certain events. This can happen during initialization of an ATM manager, or when a 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 transaction manager 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 transaction manager 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 transaction manager's restart processing. Incomplete transactions exist that involve the database indicated. It is not possible for the transaction manager to resolve them because the database is not available.

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 transaction manager's restart processing. Incomplete transactions exist that involve the partner transaction manager indicated by "dbid". It is not possible for the TM to resolve them because the partner TM is not active.
Action	This message is for information only. Restart processing for such transactions occurs when the indicated TM is restarted.
ATM042_10	NUMBER OF WARNING MESSAGES SUPPRESSED: count
Explanation	This message is issued by an ATM transaction manager 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 transaction manager 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 transaction manager 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 TRANSBRANCHES PENDING AFTER RESTART: count
Explanation	This message is issued by an ATM transaction manager 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 transaction manager 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 transaction manager 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 transaction manager's database. The number indicated should be zero unless the <code>TMRESTART</code> parameter indicates a forced restart.
Action	This message is for information only.
ATM047_20	ATM INITIALIZATION FAILED
Explanation	A serious error prevented the transaction manager 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 transaction manager's initialization processing. The version, release, and maintenance level of ATM are displayed, followed by the session number (sess) for this execution of the transaction manager.
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 transaction manager's 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 <code>DTP=RM</code> . It indicates that the nucleus called the local ATM transaction manager 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 transaction manager.

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 transaction manager 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 transaction manager.
ATM052_20	PROTOCOL ERROR. ATM NOT INITIALIZED.
Explanation	This message is issued if an ATM transaction manager 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 transaction manager was trying to handshake with the partner transaction manager 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 transaction manager was attempting to handshake with a partner transaction manager. 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 transaction manager.

ATM057_10	NO FREE SLOTS IN queue-area
Explanation	The indicated queue area is full.
Action	Increase the relevant parameter and restart the ATM transaction manager. 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 transaction manager and restart it.
ATM058_10	MIXED TRANSACTION STATUS/RESULT REPORTED BY ATM dbid
Explanation	<p>The transaction manager was attempting restart processing for incomplete transactions involving the partner transaction manager “dbid”, which was restarting. The partner transaction manager reported an inconsistent transaction status (partly committed, partly backed out). Subsequent messages identify the owner of the transaction.</p> <p>Likely causes include the following:</p> <ul style="list-style-type: none">■ Some Adabas nucleus heuristically terminated its part of a global transaction.■ Some ATM transaction manager was started with <code>TMRESTART={ FORCE FORCEALL }</code>.■ 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 <code>ADARUN IGNDTP=YES</code>).
Action	In some of the above cases, details of the transaction (branch) might be found in an ATM transaction manager's 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 transaction manager 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 transaction manager or database indicated by “dbid”, which was restarting. The ATM transaction manager 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 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 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 transaction manager 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 transaction manager 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.
ATM065_00	LOG ERROR; LOGGING NO LONGER POSSIBLE
Explanation	The ATM transaction manager encountered an error while trying to write to one of its dual ATMLOG datasets. Logging is disabled.
Action	Check for operating system messages that might indicate the cause of the error.

ATM066_04	LOG FILE SWITCHED TO ATMLOGn
Explanation	Either the log file previously in use was full or the operator command <code>TM FEOFLOG</code> was used.
Action	This message is for information only.
ATM067_10	UNSUPPORTED FUNCTION
Explanation	The transaction manager received a function call that is not valid.
Action	Contact your Software AG support representative.
ATM068_04	QUIESCING TRANSACTIONS FOR DB dbid
Explanation	The transaction manager is attempting to complete (commit or back out) all active global transactions that involve the indicated database in response to <ul style="list-style-type: none">■ 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 transaction manager 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 transaction manager was attempting to quiesce transactions on a database, it asked one or more partner managers to do the same, but one or more of them returned an unexpected error. The message lists up to four partner transaction managers 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 transaction manager’s transactions for the required database.

ATM072_10	HEURISTIC TERMINATIONS MAY RESULT
Explanation	<p>This message is preceded by message ATM068 and one or more of the messages ATM069, ATM070, and ATM071.</p> <p>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.</p> <p>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.</p>
Action	<p>This message warns of the impending loss of global transaction integrity for those global transactions that are still active.</p> <p>Use Online Services to identify the transactions that could not be quiesced.</p> <p>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.</p>
ATM073_10	DB ACTIVITY NOT QUIESCED. CHECK ATM MANAGER nodeID
Explanation	<p>A DTP=RM nucleus that received an ADAEND command requested the transaction manager with the indicated Node ID to quiesce its global transactions. The request failed.</p>
Action	<p>Check that the indicated transaction manager is active, and check for error messages issued by it. Use Online Services to ask the transaction manager to quiesce transactions on the database.</p>
ATM074_10	RRMS REPORTED ERROR. FNC/RF/COMMID: fnc/rf/comm-id
Explanation	<p>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.</p>
Action	<p>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".</p>
ATM075_10	RRMS REPORTED EXIT MANAGER UNAVAILABLE
Explanation	<p>Note: This message appears on the console, but not in the DDPRINT report.</p> <p>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.</p>
Action	<p>Report the problem to your systems programming staff.</p>

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: aaaaaaa 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 ("aaaaaaa") 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 transaction manager 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 "dddd") 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 transactions" 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 transactions" request. "Userid" is the last 8 bytes of the client session'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 transactions" 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 transactions" 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 transactions" request from an Online Services user, ATM forced completion of the local branch of the transaction belonging to the client 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 transactions" request from an Online Services user, the ATM transaction manager purged the transaction (branch) belonging to the client 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 transaction manager purged from its recovery file, recovery information relating to the client 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 client session 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 transaction manager, 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 transaction manager, and indicates that a transaction that could not be completed has been moved to the suspect transaction journal file. "Userid" is the 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 transaction manager'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 transaction manager'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.
ATM092_10	URID: urid
Explanation	This messages relates to the ATM136 message that immediately precedes it. It identifies the URID of the CICS unit of work that the ATM136 message relates to.
Action	Refer to the explanation of the ATM136 message.

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 transaction manager 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 transaction manager 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 transaction manager.
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 transaction manager 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 transaction manager 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	ATM END operator command was issued, but the transaction manager could not close down because one or more global transactions were incomplete. The transaction manager 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 transaction manager to terminate immediately, leaving the incomplete transactions to be resolved the next time it is activated.
ATM104_10	MEMORY SHORTAGE; ADAEND PROTOCOL MIGHT BE AFFECTED
Explanation	This messages can appear when a DTP=RM database is started. It indicates that certain memory areas could not be acquired. Database processing should not be affected by this condition. However, there is a possibility that the closedown protocol that happens when ADAEND is issued to the database will not proceed as normal; this could increase the risk of heuristically terminated transactions.
Action	Make more memory available to the database job and restart it.
ATM110_04	SESSION STATISTICS:
Explanation	This message is issued during transaction manager 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 transaction manager 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 transaction manager termination, or in response to a TM DSTAT operator command, once for each of several resources in the ATM nucleus. For each resource: <ul style="list-style-type: none"> ■ item: identifies the ATM resource ■ max-value (where shown): the maximum value permitted in this execution of the transaction manager ■ 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 transaction manager termination, or in response to a TM DSTAT operator command. Additional statistical messages (ATM117) follow.
Action	This message is for information only.
ATM117_04	milliseconds tran-count committed backed-out
Explanation	This message is issued several times during transaction manager termination, or in response to a TM DSTAT operator command, once for each statistical time range maintained by the transaction manager. 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 transaction manager'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 operation FAILED, DB/TM/RSP/SUB/RC: dbid/tmid/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 a transaction manager for distributed transaction processing, or to sign the database off, as indicated by "operation". "Sign-on" can happen during initialization of a transaction manager or a SYSCO daemon, or when the database is started. "Sign-off" happens when the database is terminated. The message indicates

that an unexpected condition was detected. It includes the “dbid” of the database, the node ID (“tmid”) of the transaction manager, and might also contain a response code (“rsp”), subcode (“sub”) and return code (“rc”) for the error.

Action

If this message indicates sign-on and 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. If the message indicates sign-off, it is given for information only.

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 transaction manager, 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 transaction manager was not active. The database does not close down.

Action

Activate the transaction manager 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 transaction manager 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 transaction manager 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 transaction manager 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.
ATM129_08	DB dbid SIGNING ON FOR DTP WITH ATM NODE nodeid
Explanation	This message is issued by a DTP=RM database that is initializing. The ATM Transaction Manager identified by “nodeid” is about to begin the process of signing the database nucleus on for distributed transaction processing. 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 SIGNING ON ...”.
Action	This message is for information only.
ATM130_20	ATM PROXY INITIALIZATION FAILED
Explanation	This message can be issued by a job or TP system for which the client runtime control ATM=ON has been specified. It indicates a fatal error which prevented the ATM client 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 <i>sys/rc/rc2</i>
Explanation	An error occurred during the synchronization process that takes place during ATM or CICS restart when the CICS Resource Manager Interface is in use. The message provides the System ID of the CICS system (value “ <i>sys</i> ”), a CICS or ATM error code (value “ <i>rc</i> ”), and possibly a secondary return code or Adabas response code (value “ <i>rc2</i> ”).
Action	Refer to the descriptions of the possible error codes . If possible, correct the error and restart the ATM transaction manager; otherwise report the details to your Software AG support representative.
ATM132_10	RMI RESYNC ERROR. SYS/CD/RSP <i>sys/cd/rsp</i>
Explanation	An error occurred during the synchronization process that takes place during ATM or CICS restart when the CICS Resource Manager Interface is in use. The message provides the System ID of the CICS system (value “ <i>sys</i> ”), a CICS command or function name (value “ <i>cd</i> ”), and CICS response code (value “ <i>rsp</i> ”).
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 <i>urid</i>
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 “ <i>urid</i> ”) 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 <i>sys/rc/rsp</i>
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 “ <i>sys</i> ”), an ATM error code (value “ <i>rc</i> ”), and, depending on the ATM error code, a CICS or Adabas response code (value “ <i>rsp</i> ”).
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 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 transaction manager; 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 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 ATM092 message indicating the URID of the CICS unit of work for which the error occurred.
Action	Refer to the descriptions of the possible error codes . If possible, correct the error and restart the ATM transaction manager; 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 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 transaction manager has initialized.
ATM138_10	RMI RESYNC ISSUED. SYS sys
Explanation	This message can appear during restart of an ATM transaction manager 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 transaction manager 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 client proxy for the first ATM-related error incurred by each client session. 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 client session, 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 RUNTIME CONTROL
Explanation	This message is issued by the ATM client proxy. It indicates that client sessions executing within this job have been exempted from distributed transaction processing by the setting of a client runtime control.
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 client runtime controls 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.
ATM159_20	error message
Explanation	This message can be issued by ATM's ET data migration utility, ATMPETD. It indicates failure of the utility, and the cause of failure.
Action	The error message should be self-explanatory. For a more detailed explanation, note the condition code that was given when ATMPETD terminated, and refer to the Return Codes section of the description of the ET data migration utility.

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 transaction manager. 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 transaction manager. It indicates that a transient error has occurred, such as the unavailability of the local Adabas System Coordinator daemon. The transaction manager will try to initialize again after a short period, during which time the cause of the failure might be rectified. The transaction manager will retry repeatedly, until it initializes successfully, or until it is terminated by operator command.
Action	A previous message should indicate why the transaction manager 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 client session that had an open transaction has been migrated from one node to another within a cluster (for example, CICSplex), but ATM cannot handle this session's transaction safely because no Migrated Transaction Record (MTR) file has been defined. The 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 transaction managers 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 transaction manager. 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 client session that is not at global transaction status can be migrated around a cluster (for example, CICSplex, with ATM client runtime control <code>TransactionModel</code> set to 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 transaction managers and clustered application environments in the COR group.
ATM171_08	TM tmid STARTING TRANSACTION FLUSH
Explanation	This message can be issued by a DTP=RM database when the database has received an ADAEND command. It indicates that the Transaction Manager with the given ID (tmid) is attempting to terminate any incomplete global transactions that have changed the database, so that the database can terminate cleanly. This message should be followed by either an ATM172 or an ATM173 message, indicating whether or not all relevant transactions were terminated.
Action	This message is for information only.
ATM172_10	TM tmid DID NOT COMPLETE TRANSACTION FLUSH
Explanation	This message might be issued by a DTP=RM database after message ATM171. It indicates that the Transaction Manager with the given ID (tmid) was not able to terminate all global transactions that have changed the database. This might mean that a superior TM or external transaction co-ordinator has not indicated what the outcome of a transaction should be.
Action	Use the Online Services application to identify the offending transactions. If possible, resolve any such transaction through the co-ordinator that controls the root of the transaction. If this is not possible, you might choose to use SYSATM's "stop" facility to force resolution of a transaction, if you are sure that this will not result in loss of transactional integrity.

ATM173_08	TM tmid COMPLETED TRANSACTION FLUSH
Explanation	This message might be issued by a DTP=RM database after message ATM171. It indicates that the Transaction Manager with the given ID (tmid) successfully terminated all incomplete global transactions that had changed the database.
Action	This message is for information only.
ATM174_10	NO TM ACTIVE
Explanation	This message can be issued by a DTP=RM database when the database has received an ADAEND command. It indicates that there are incomplete, prepared transactions in the database, but the Transaction Manager that owns these transactions is not currently active. The ADAEND process cannot complete until the incomplete transactions have been resolved.
Action	Restart the inactive Transaction Manager.

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 transaction 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 transaction queue element

error 044

Explanation Invalid global transaction 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 transaction manager not available**error 086****Explanation** Backout was attempted because the global transaction time limit was exceeded.**error 088****Explanation** The ATM transaction manager did not receive the request**error 092****Explanation** Target not prepared**error 096****Explanation** Incorrect positioning data in service call**error 104****Explanation** Invalid service call type**error 108****Explanation** ETID missing or invalid.**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** Client 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 Client 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 transaction managers

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 transaction queue**error 252****Explanation** No free DRQ slots - TMDRQ parameter is too small**error 256****Explanation** Command not handled - send to local ATM transaction manager**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 session's current status

error 280

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

error 284

Explanation Incomplete handshake information element

error 288

Explanation The transaction manager 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** Client not known to local ATM transaction manager**error 328****Explanation** Client not known to partner ATM transaction manager**error 332****Explanation** Conflicting activity for transaction**error 336****Explanation** Request should be sent to root ATM transaction manager**error 340****Explanation** A session attempted to use more than 191 ATM transaction managers 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 client runtime control.

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 `Client-sideTransactionManager` option 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 An error occurred during the client proxy's check for `DTP=RM`.

error 468

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

error 472

Explanation An unexpected condition was returned by the Adabas System Coordinator's router interface.

error 476

Explanation During a sequence of ET commands, the first of which supplied ET data, ET data was supplied on a session that used a different ETID.

error 480

Explanation A request from the CICS RMI attempted to act on a transaction that was not owned by the CICS RMI.

error 484

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

error 488

Explanation An invalid communication-ID was supplied.

error 492

Explanation An invalid communication-ID was detected in the transaction manager's queue.

error 496

Explanation The application did not back out everywhere after a response code 9, or the application terminated a transaction but did not issue ET or BT to all affected databases.

error 500

Explanation There was a duplicate attempt to sign a DTP=RM database on to a Transaction Manager for Distributed Transaction Processing.

error 504

Explanation There was an attempt to sign a DTP=RM database on to a remote Transaction Manager for Distributed Transaction Processing.

error 508

Explanation There was an invalid attempt to remove a database from a global transaction.

error 512

Explanation Transaction status is not known because a status-check request to the local TM returned a bad response code.

error 513

Explanation Transaction status is not known because a status-check request to the local TM returned error 88.

error 514

Explanation Transaction status is not known because a status-check request to the local TM returned error 412.

error 515

Explanation Transaction status is not known because a status-check request to the local TM returned error 488.

error 516

Explanation Transaction status is not known because a status-check request to the local TM returned error 60.

error 517

Explanation Transaction status is not known because an Adabas buffer area could not be acquired for a status-check operation.

error 520

Explanation In a DTR environment, a client session has migrated to another system, but no MTR file is in use.

error 524

Explanation A session could not be switched to serial ET/BT mode, because the local TM was already involved in the current transaction.

error 528

Explanation The client proxy failed to provide a return code for a CICS RMI syncpoint operation.

error 536

Explanation An unknown TM node ID was detected while processing DTR migration.

error 540

Explanation

The "F" command option on a BT command could not be honored, because a distributed transaction was in process.

error 544

Explanation

The client session tried to change a database that's executing outside the scope of the client session's System Coordinator group, but this is disallowed by the Coordinate Adabas DBs Outside the Group runtime control.

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
73	<p>The client session had an externally-controlled transaction, the outcome of which was “in doubt”. ATM forcibly resolved the “in doubt” transaction. There is a possibility that ATM’s resolution of the transaction might be inconsistent with the intended outcome.</p> <p>Check that the outcome of the session’s Adabas changes, in its previous transaction, was consistent with its changes to non-Adabas resources.</p> <p>Check the external transaction coordinator for reasons why the original transaction might have been left in the “in doubt” state. If the external coordinator indicates that the transaction was completed, and if the relevant system logs give no indication of the cause of the problem, contact your Software AG support representative.</p>
74	<p>The client’s database session has lost its ETID. If a transaction was in progress, ATM attempted to back it out from all affected databases and release all held records.</p> <p>Issue a new <i>OP</i> command to the database.</p>
75	<p>Either a commit operation involving an external transaction coordinator failed, or resynchronization with an external transaction coordinator caused the transaction to be backed out. In the first case, ATM attempted to back out the transaction.</p> <p>For the first case, check the external transaction coordinator for the reason. Check for error messages from ATM transaction managers or the ATM client proxy of the failing job.</p>

Subcode	Explanation and Recommended Action
76	<p>An error occurred while an ATM transaction manager was attempting to rebuild the transaction hierarchy of a client session that has migrated from another ATM transaction manager's domain as a result of dynamic transaction routing. ATM attempted to back out the transaction.</p> <p>Check the status of the transaction using Online Services. Check for error messages from ATM transaction manager or the ATM client proxy of the failing user.</p>
77	<p>This message indicates that the client session 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.</p> <p>Define and create an MTR file, and restart the ATM transaction managers and clustered application environments in the COR group.</p>
78	<p>It was not possible to commit the client session'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.</p> <p>Restart the transaction when the pending ET syncpoint has been completed.</p>
80	<p>The client session was not at ET status in the target database. Backout of the incomplete transaction was attempted.</p> <p>Restart the transaction.</p>
81	<p>A memory shortage in the ATM transaction manager's address space caused the current global transaction to be backed out.</p> <p>Increase the amount of memory available to the ATM transaction manager, restart it, then restart the transaction.</p>
82	<p>A memory shortage occurred in the ATM transaction manager's address space, and ATM attempted to back out the current global transaction.</p> <p>Increase the amount of memory available to the ATM transaction manager, restart it, then restart the transaction.</p>
83	<p>An error occurred during a commit or backout operation for a global transaction. ATM attempted to back the transaction out.</p> <p>If the cause of the error is not apparent from console messages, contact your Software AG technical support representative.</p>
84	<p>ATM reported conflicting use of an ETID. For an RE command, this subcode can be returned if the client is known to ATM but has no ETID.</p> <p>The client should issue a CL command to each open database; then re-open.</p>
85	<p>The global transaction time limit (TMGTT) has been exceeded, and an attempt has been made to back out the global transaction.</p>

Subcode	Explanation and Recommended Action
	Correct the cause of the timeout, then restart the transaction.
86	<p>The global transaction time limit (TMGTT) has been exceeded, and the global transaction has been backed out.</p> <p>Correct the cause of the timeout, then restart the transaction.</p>
90	<p>The ATM client proxy detected either an inconsistency between its view of the client session's status and the ATM transaction manager's view, or that the transaction manager had restarted. It attempted to back out on all target databases.</p> <p>Close the client's sessions and start them again.</p>
91	<p>Transactions on a target database were being quiesced, or an administrator issued a "stop" request for the session's transaction via ATM Online Services or operator command, or there was a pending ET syncpoint on the database. Backout of the incomplete transaction was attempted.</p> <p>Restart the transaction when all required target databases are available.</p>
92	<p>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.</p> <p>Restart the transaction when all required target databases are available.</p>
93	<p>An error occurred while ATM was attempting either to start a new global transaction or to bring a new database into a transaction. The client proxy backed out changes from all databases.</p> <p>The next command issued returns details of the error that caused the backout. Check the meaning of the response code and act accordingly.</p>
94	<p>An error occurred while ATM was attempting either to start a new global transaction or to bring a new database into a transaction. The client proxy attempted to back out changes from all databases.</p> <p>The next command issued returns details of the error that caused the backout. Check the meaning of the response code and act accordingly.</p>
95	<p>The client session's transaction was controlled by an external transaction coordinator, which reported that the transaction has been backed out.</p> <p>Restart the transaction.</p>
96	<p>The client session'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.</p> <p>Restart the transaction.</p>

Subcode	Explanation and Recommended Action
97	<p>The CICS Resource Manager Interface is in use, and the ATM client proxy detected that the client session's Task Interface Element (TIE) was being used by another session.</p> <p>This can occur if all of the following are true:</p> <ul style="list-style-type: none"> ■ Natural is being used, in such a way that two Adabas sessions are maintained for each client; ■ The client control <code>Transaction Model</code> is set to <code>MESSAGE</code>; ■ Natural parameters are set such that Natural might not generate <code>OP</code> commands for all database sessions. <p>You can make sure that Natural generates <code>OP</code> commands by using a non-blank <code>ETID</code>, or by means of Natural's <code>DBOPEN</code> parameter.</p> <p>The condition can also occur if all of the following are true:</p> <ul style="list-style-type: none"> ■ Natural is being used, in such a way that two Adabas sessions are maintained for each client; ■ The Adabas System Coordinator has timed out Natural's "system" session. <p>In this case, a new Natural <code>LOGON</code> might clear the condition. Otherwise terminate the session and start a new session.</p> <p>If the error persists, contact your Software AG support representative.</p>
98	<p>The client session was executing in serial mode, and requested that changes be committed. Some of the changes were committed, and some were backed out.</p> <p>Examine the results of the transaction. If necessary, correct the result by manual intervention.</p>
99	<p>The client session incurred a security response code; ATM backed out the user's changes.</p> <p>If security permissions are not adequate, correct them and rerun the transaction.</p>

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	<p>The client session 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”.</p> <p>Depending on the transaction coordinator, you may have a choice of actions:</p> <ul style="list-style-type: none"> ■ 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. <p>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.</p>

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 transaction manager. If a negative response code value appears in the Additions 2 field, take its complement: this is the response code received by the client proxy’s attempt to communicate with the ATM transaction manager.

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 transaction manager or ATM client 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 transaction manager or client 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 transaction manager’s TMSYNCMGR ADARUN parameter and the TransactionControl, Client-sideTransactionManager, and HostSystemTransactionManager client runtime controls 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 client session’s global transaction has been committed.
3	The unsolicited syncpoint request was accepted. The client session’s global transaction has been backed out.
4	The unsolicited syncpoint request was accepted. The client session’s global transaction had mixed completion (partially backed out, partially committed).
5	The unsolicited syncpoint request was accepted. The client session’s global transaction is in backout.
6	The unsolicited syncpoint request was accepted. The client session’s global transaction is in commit.
7	The unsolicited syncpoint request was accepted. The client session had no global transaction open.
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 transaction manager initialization failed. See console messages for further information.

abend code 30

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

