

Database
Management
System

LINTER[®]

Version 5.9

Termination Codes

Relational Expert Systems



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Introduction

This document contains a complete listing of all termination codes for Linter and all of Linter's components network apps, internal interface, integrated SQL, triggers and stored procedures, etc These components are used as development tools when creating plug-ins

The termination codes are listed in an ascending order A code having no description or explanation has no relevance in the current version or has been reserved for use in future versions

Some codes in this reference lack specific instructions on correcting the exception situation Usually, such codes are generated by file errors from the operating system under which the Linter kernel is running In such cases, the user needs to consult the manual for that operating system

Termination codes are grouped by type as indicated in the following table:

0-3	Normal termination codes
0-100	Database files errors
101 -299	Errors in Linter's internal queues
300-399	Row unpack procedure errors
400-499	Linter kernel initialization errors
500-599	I/O operations errors
600-699	Errors in Linter kernel buffers
700-799	B-tree errors
800-899	Bit vector and row ID queue errors. These are internal structures that store temporary information during query execution
900-999	Database integrity constraint errors
1000-1099	Interprocess communication errors
1400-1499	Intsrt (sorting process) return codes
1500-1599	Errors in data component definitions
1600-1699	Transaction control errors
1700-1799	BLOB component diagnostic errors
1800-1899	Event component diagnostic errors
1900-1999	Replication errors
2000-2999	SQL translator termination codes
6000-6999	SYSLOG diagnostic errors
6590-6599	SYSWRK file errors
6900-6999	Backup errors
7000-7299	Database dictionary errors
8000-8099	Audit errors

Termination Codes

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
0 Operation complete d successfully.		
1 Row missing in table.	A row was deleted in the middle of the operation	Repeat the query or ignore the message.
2 No data.	1) The query did not find any data. 2) An attempt by the functions GETN, GETP, GETS, GETL, or GETF to obtain data outside the query constraints; i.e., before first or after last.	In the second case, correct the error in the plug-in.
3 Row being deleted is missing.	An attempt to delete a non-existent row. If user A 's command is DELETE FROM TBL WHERE CURRENT OF CURSOR ..., and user B has just previously deleted the row where user A 's cursor is positioned, this error will be created.	Repeat the query using SELECT FOR UPDATE.
10 Data and index files are not consistent.	Data and index files are not consistent.	To correct the situation, use RESTORE TABLE + PRESS TABLE.
11 No table description in SYSREL.	The table description is not found in the SYSREL table during a query.	Restart Linter. If the situation persists consult the DBMS developer, providing a description of the problem and, if available, a Log-file.
12 No column description in SYSATR.	The column description was not found in the journal (SYSATR table) during a query.	Restart Linter. If the situation persists consult the DBMS developer, providing a description of the problem and, if available, a Log-file.
13 Incorrect free page space report.	The file BITMAP reports that the page has enough free space for an entry to be compacted by a specific %, but the page does not contain space of the reported size.	To save the data in the table, a new table with an identical structure needs to be created and all the data needs to be transferred into the new table. Report the context in which the error occurred to the developer.
14 Data file full.	Not possible to increase the file's size for data storage. The file has reached maximum size.	Use ALTER TABLE to create an additional file extension for the table in question.
15 Index file full.	Not possible to increase the index file's	Use ALTER TABLE to create

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
	size for index storage. The file has reached maximum size.	an additional file extension for the indices in question.
16 BITMAP status is incorrect.	BITMAP incorrectly shows the presence of a page with a zero-value byte. Critical error, data file corrupted.	Create a new table and transfer data from the corrupted one.
17 Incorrect page capacity 2 byte word.	Reported page capacity exceeds page size.	Restore an archived copy of the table.
19 Row description does not match table description.	Number of indexed rows, as stated in table description, is higher than the number of row descriptors containing an index ATTRIBUTE.	Use PRESS TABLE. The error will be corrected and all the rows will be re-indexed. It is possible to perform the operation manually by deleting all the indexes, consequently re-creating them.
20 Wrong BITMAP format for data file.	Data BITMAP file is corrupted.	Shut down the kernel and launch TESTDB. If the database contains errors, they will be corrected. If TESTDB cannot correct the errors then an archived backup copy of the database should be restored.
74 Function missing in current version.	An attempt to call a function from another version of Linter.	Do not use the function in question.
75 Derived dataset is empty.	The result of executing a query like: Select * from I where I = (select I from j); contains no row.	Correct the query.
76 Derived dataset contains more than one row.	The result of executing a query like: select * from a where a.a = select(b.a) from b; contains more than one row.	Correct the query. Possible use of IN operator instead of.
77 Derived dataset not defined.	Internal Linter error.	Consult the Linter developer, reporting descriptions of the problem and the query.
78 Start dataset is not defined.	Internal Linter error.	Consult the Linter developer, reporting a description of the problem and the query.
80 Row limit in table reached.	The number of rows in the table has reached its maximum.	Requires restructuring of the database.
81 Table description and converter do not match.	Situation in which the address converter has no free space and the table contains less than the maximum number of entries.	In order to restore the converter use REBUILD TABLE, then use PRESS TABLE.
82 Even number error.	The data file page entry begins with an	Restore an archived backup of

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
The first byte in row is odd.	odd address.	the table.
83 Not possible to directly edit the system table.	The error occurs during an attempt to directly edit the system table.	Use indirect editing methods.
84 Index file bitmap status is not correct.	The bitmap status data is corrupted.	Use testdb utility (testdb -ds -r) to restore the bitmap
85 RowID hash table is corrupted.	RowID hash table is corrupted.	Use testdb with the option '-r' or sql query 'rebuild table' to restore the table. Table name should be appeared in linter.out file
86 First Index File modification is not allowed.		
87 BITMAP page status is cleared.		
98 Incorrect index type. Data file externally influenced by the system table SYSATR.	Table description corrupted.	It is necessary to delete the incorrect index and recreate it.
99 Operation not performed.		Redesign the query or call the DBMS developer.
100 SNAP command error; operational environment error during the command execution.		Refer to the SYSERR field in the control block where the operation codes are displayed. If the code does not show it to be an operational error, then it is an internal system error. In such a case, repeat the command. If the error persists, the Linter kernel needs to be shut down. If the error still persists, the database requires testing and maintenance.
101 Not enough memory for the table description queue.	Occurs when the table queue is so big that the Linter kernel is unable to allocate enough memory for it.	For a successful launch, the table queue or other queues need to be decreased in size using the gendb SET command.
102 Not enough memory for the row description queue.	Occurs if, during launch, the kernel is unable to allocate enough memory for table queue and row queue.	For a successful launch, the row queue or other queues need to be decreased in size using the gendb SET command.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
103 Not enough memory for the channel queue.	Occurs if, during launch, the kernel is unable to allocate enough memory for the table , row, and channel queues.	For a successful launch, the these queues need to be decreased in size using the gendb SET command. Alternatively, the size of memory allocated during kernel launch needs to be increased using the command line argument /POOL.
104 Not enough memory for the file queue.	Occurs if during launch the kernel is unable to allocate enough memory for: table, row, channel, and file queues.	For a successful launch, these queues need to be decreased in size using the gendb SET command. Alternatively, the size of memory allocated during kernel launch needs to be increased using the command line argument /POOL
105 Not enough memory for an operation.	Not enough memory to load the page queue.	For a successful launch, increase the size of memory allocated during kernel launch using the command line argument /POOL.
106 Not enough memory for the ROWID queue.		
107 Not enough memory for the DBMS kernel pool.	The situation occurs if the queues (tables, row, channels, file) are so large that there is not enough memory left for the DBMS kernel.	For a successful launch, one or more of the queues need to be decreased in size using the gendb SET command. Alternatively, the size of memory allocated during the kernel launch needs to be increased using the command line argument /POOL.
108 Internal system error: Queue element for file 1.31 (SYSWBV.IN1) is occupied.	File queue element reserved for the file 1.31 descriptor is occupied by another descriptor. The positions of system file descriptors are predefined.	Attempt to alter the size of kernel queues. If that produces no result, call tech support.
109 Internal system error: Queue element for file1.41 (SYSWRK.IN1) is occupied.	File queue element reserved for the 1.41 file descriptor is occupied by another descriptor. The positions of system file descriptors are predefined.	Attempt to alter the size of kernel queues, if that produces no effect call tech support.
110 The size of SYSWRK.IN1 is too small.	Not enough hard disk space or the file has reached the expansion limit.	Check for hard drive space availability.
111 The size of SYSWBV.IN1 is too small.	Not enough hard disk space or the file has reached the expansion limit.	Check for hard drive space availability.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
112 Internal system error: Queue element for an *.01 file (SYS*.AS1) is occupied.	File queue element reserved for the descriptor for an *.01 file is occupied by another descriptor. The positions of system file descriptors are predefined.	Attempt to alter the size of kernel queues. If that fails, contact tech support.
113 Internal system error: Queue element for an *.11 file (SYS*.DT1) is occupied.	File queue element reserved for the descriptor for an *.11 file is occupied by another descriptor. The positions of system file descriptors are predefined.	Attempt to alter the size of kernel queues. If that produces no effect contact tech support.
114 Internal Linter system error: Column description not found during query.		Contact tech support.
115 Internal Linter system error: Column has an unknown type.	An unknown column descriptor has been encountered by the system.	Restore an archived backup of the table. Contact tech support.
116 Internal Linter system error: Column has an illegal length.	A column descriptor with an illegal data length is encountered by the system	Restore an archived backup of the table. Contact tech support.
117 Not enough memory for a query.	The situation can occur when the system is overloaded with complex queries and there is no free memory space left for another one.	1) Repeat the query. Some queries may have been processed by that time, therefore freeing the memory a new query needs. 2) Decrease the queue size, thus increasing the queue page size.
120 Internal Linter system error.	.	A run-time error; More than likely the database itself remains intact. Contact tech support with a comprehensive description of the problem.
121 Internal Linter system error: The table description not found during query processing.		Try to re-launch the kernel. If that produces no positive result, contact tech support.
122 Page queue missing during index processing.	The error is caused by incorrect Linter configuration.	For a successful launch, the pool size needs to be increased using the command line argument /POOL.
123 Bit- vector is not initialized.		
127 Incorrect page data compression ratio.		
129 Table locked.	An attempt to access a locked table was	Eliminate the NO WAIT option.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
	made by a query using the NO WAIT option.	
130 Internal Linter system error: Queue element for file 1.51 descriptor (SYSSRT.IN1) is occupied.	File queue element reserved for the descriptor for file 1.51 is occupied by another descriptor. The positions of system file descriptors are predefined.	Alter the launch queue parameters and re-launch the kernel. If that does not work, contact tech support.
131 Internal Linter system error: An attempt to lock a locked entry.		Contact tech support. If the situation is recurrent, detailed instructions on recreating the error situation need to be provided.
132 Internal Linter system error: An attempt to unlock an unlocked entry.		Contact tech support. If this is a recurring error, provide detailed instructions on how to recreate the error.
133 Internal Linter system error: User profile not found during query execution.		Contact tech support. If this is a recurring error, provide detailed instructions on how to recreate the error.
134 Internal Linter system error: Queue element for a system log file (*.61) is occupied.	File queue element reserved for the descriptor for an *.61 file is occupied by another descriptor. The positions of system file descriptors are predefined.	Attempt to alter the size of kernel queues. If that produces no result, call tech support.
135 Table row locked by another user.	An attempt to access an entry that was locked through another channel.	The solution depends on the processing algorithm.
136 Linter kernel launch error: Not enough memory for bit-vectors in the system pool.	Not enough memory for the bit-vector queue.	For a successful launch, one or more of the queues need to be decreased in size using the gendb SET command. Alternatively, the size of memory allocated during the kernel launch needs to be increased using the command line argument /POOL.
137 Too many rows in sort.	The number of sort rows in a query is greater than is allowed.	The maximum number of sort rows is 100. Modify the query.
138 Linter kernel launch error: Not enough memory for queues in pool.	Not enough memory allocated for queues during launch.	Increase the kernel pool size.
139 An attempt to lock a locked page.	An attempt to lock a page locked through another channel.	Contact tech support. If this is a recurring error, provide detailed instructions on how to recreate the error.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
140 Too many locked pages.	The number of locked pages is higher than allowed.	Contact tech support. If this is a recurring error, provide detailed instructions on how to recreate the error.
141 Too many locked rows.	The number of locked rows is higher than allowed.	Contact tech support. If this is a recurring error, provide detailed instructions on how to recreate the error.
142 Deadlock encountered. Transaction canceled.	A transaction was canceled due to a conflict with another transaction.	Try to repeat the query.
143 Internal Linter error.	Internal Linter error	Try to re-launch the kernel. If the error persists, contact tech support.
144 Index definition is not found in queue.	Index definition is not found in queue	Try to re-launch the kernel, shut the kernel down and launch TESTDB. If the database contains errors, they will be corrected. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
145 Charset is not found.	Charset is not found	Verify the charset settings
146 Unicode translation table is not found.	Unicode translation table is not found	Verify the charset table and reload if needed.
147 Charset memory overflow.	Charset memory overflow	Try to re-launch the kernel If the error persists, shut the kernel down and launch TESTDB. If the database contains errors, they will be corrected. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
148 Unicode translation table overflow.	Unicode translation table overflow	Try to re-launch the kernel If the error persists, shut the kernel down and launch TESTDB. If the database contains errors, they will be corrected. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		restored. If that is not possible, contact tech support.
149 Not enough memory for the thread queue.		
150 Charset is used by another user.	An attempt to delete the charset that is used by another user.	Wait until the resource will become available.
151 Default charset for Russian language support is not defined.	Default charset for Russian language support is not defined	Define the database default charset (one of 866, 1251, KOI6-R).
152 Charset definition is not consistent.	Charset definition is not consistent (it may be that, the number of bytes per character doesn't match the number of characters in charset)	Verify the definition of the charset
153 Charset definition error.		It could happened in case if the first part of the chartset is not found in SYSTEM.\$\$\$CHARSET table. Verify charset definition
154 Charset internal Linter error.		Please, contact Linter support team.
155 Charset string conversion error.	Charset string conversion error.	It may be that, the conversion is not supported between charsets (for example, MBCS can be converted directly into SBCS only via UNICODE).
156 Invalid character.	The character is not found in the charset	Verify the query which causes the problem.
157 Invalid row size	The row size exceeds maximum allowable row size.	Verify the parameter in gendb.
158 String comparison error.	Unicode string comparison error	Verify the SQL query.
159 Charset already exists.	An attempt to add an existing charset	Verify the database charset settings.
160 Too many charsets.	Charset table overflow	Linter support up to 65633 charsets.
161 Unicode buffer is too small.	Linter buffer for Unicode support is too small	Contact Relex support team
162 Unicode buffer is too small.	Linter buffer for Unicode support is too small	Contact Relex support team.
163 Charset queue initialization error.		Contact Relex support team.
164 Invalid charset type.	"set database names ..." command is	Linter data dictionary supports

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
	failed	only one-byte based charset
165 Invalid user queue size.		Change the user queue settings using gendb command.
166 Invalid table queue size.	The table queue size is less than 5	Change the table queue settings using gendb command.
167 Invalid file queue size.	The file queue size is less than 5	Change the file queue settings using gendb command.
168 Invalid column queue size.	The column queue size is less than maximum number of existing table columns in the database	Change the column queue settings using gendb command.
169 String conversion error.	Database identifier conversion error	Verify the query data.
170 Not enough memory for the code alias queue.		
171 SET DATABASE NAMES error.	An attempt to perform statement on indexed system table.	
200 Not all the necessary parameters were entered during an addition of entries to a table.	During an INSERT or UPDATE, a column having the NOT NULL constraint in fact holds the NULL value.	Check the query. Either some value needs to be entered or the column constraint needs to be modified.
201 Internal Linter system error: The first byte is odd.	The boundary begins with an odd byte or outside the page boundaries.	Restore an archived backup of the table. If that is not possible, contact tech support.
202 Illegal delimiter in Date.	Wrong delimiter in date – should be '.'	Verify the SQL query.
203 Wrong month number in Date.		Verify the SQL query.
204 Wrong day number in Date.		Verify the SQL query.
205 Wrong symbol in number.		Verify the SQL query.
206 Wrong symbol in year number.		Verify the SQL query.
207 SYSATR contains more indexed rows than SYSRL.	This situation may occur when adding entries if the number of indexed rows, as stated in the table description, is higher than the number of row descriptors containing an index ATTRIBUTE.	Using PRESS TABLE will correct the error.
208 Internal Linter system error: Table description update error.	The value of \$\$\$S14 column in SYSATR must not be packed, i.e., compacted by truncation.	Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If the

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
Incorrect \$\$\$S14 column length.		database contains errors, they will be corrected. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
209 Table description update error.(row not found in SYSRL).	During the writing of an edited queue element to disk, the entry is not found in the \$\$\$SYSRL table. Internal Linter error.	Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, then an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
210 Internal Linter system error Column description update error. Row not found in SYSRL.	During the writing of an edited column queue element to disk, the entry is not found in the SYSATR table.	Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
211 Internal Linter system error: Column description update error. Incorrect \$\$\$S24 column length.	The value of the \$\$\$S24 column in SYSATR must not be packed ,i.e., compacted by truncation.	Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
212 Internal Linter system error: User profile update error. Incorrect \$\$\$S33 column length.	The value of \$\$\$S33 column in SYSATR must not be packed. I.e., compacted by truncation.	Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
213 Internal Linter system error: User profile update error.(row not found in SYSUSR).	During the writing of an edited user queue element to disk, the entry is not found in the SYSUSR table.	Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
300 Internal Linter system error: Unpacked row value has incorrect length.	During the unpacking process, a value length is encountered which is larger than stated in the row description.	Possibly, the database component holding the data in question has become corrupted. Attempt to determine the table and the number of the entry where the error occurs.
301 Internal Linter system error: The row being unpacked is missing from the queue.		Repeat the query. If the error persists, attempt to correct the error by relaunching the kernel or using maintenance operations. Otherwise, contact tech support.
302 Internal Linter system error: The row being unpacked has an incorrect number.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
303 Internal Linter system error: The row being unpacked has an illegal length.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
304 Internal Linter system error: Incorrect first packing byte.		Determine the number of the entry and the table where the situation occurs. Contact tech support with the information or attempt to restore the table.
305 Invalid data page detected.		Re-launch Linter, If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
400 SYSRL.AS1 file not open.	The kernel could not open file 1.01. Possible causes: file is missing, user has no rights to access the file, etc. More detailed information will be provided by the operating system error code SysErr.	Check OS termination code.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
401 SYSRL.DT1 file not open.	The kernel could not open file 1.11. Possible causes: file is missing, user has no rights to access the file, etc. More detailed information will be provided by the operating system error code SysErr.	
402 First row of SYSRL not found.	In \$\$\$SYSRL the NULL entry, ROWID = 1, is missing. Cause: external influence on the database such as accidental editing of a NULL entry by the user.	Restore a backup copy of the database.
403 Invalid kernel configuration for database, insecure kernel over secure database.	\$\$\$GROUP and \$\$\$LEVEL tables cannot be created.	Do not execute security.sql file or contact tech support to receive appropriate version of Linter.
404 DB contains tables with size greater than 2 GB.		Contact tech support to receive proper version of Linter.
500 End of file reached.	An attempt to access data outside the file. This situation may occur when the database files have become corrupted or as the result of an internal DBMS error.	Restore a backup copy of the files in question.
501 Error opening file.	Can occur during kernel launch if the kernel cannot detect the system base file. Can also occur during query execution. If during kernel launch, the launch halts. If during a query, the query has accessed a table for which the system cannot locate a file. Possibly the file was deleted or the user has not set, or has incorrectly set, the system variables.	Check the table description and the presence of the required files. Pay attention to the SysErr return code. It will give clues to the cause of the problem.
502 I/O error in SYSWBV.IN1.	File system Input/Output error.	The operating system return code, SysErr, should clarify the origin of the error. Check whether the file is present on the hard drive. If it is, check it using the regular operating system tools (copy, run, move, etc.) to see whether the file is locked or the user needs certain privileges to access the file.
503 Index file full.	It is not possible to add data to a file. The file has reached maximum size.	Move file to larger hard disc. Remove some indices to free up space. Use ALTER TABLE to expand file size.
504 Page read error.	System I/O error.	The operating system return code, SysErr, should clarify the origin of the error.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
505 Page write error.	System I/O error.	The operating system return code, SysErr, should clarify the origin of the error.
506 Close file error.	System I/O error.	The operating system return code, SysErr, should clarify the origin of the error.
507 Create new file error.	System I/O error.	The operating system return code, SysErr, should clarify the origin of the error.
508 Delete file error.	System I/O error.	The operating system return code ,SysErr, should clarify the origin of the error.
509 File extension error.	System I/O error.	The operating system return code, SysErr, should clarify the origin of the error.
510 Positioning error in extended file.	System I/O error.	The operating system return code, SysErr, should clarify the origin of the error.
511 SYSWBV file limit reached.	Database design error.	Attempt to change the necessary limits with the gendb SET command.
512 SYSWRK file limit reached.	Database design error.	Attempt to change the necessary limits with the gendb SET command.
513 SYSSRT file limit reached.	Database design error.	Attempt to change the necessary limits with the gendb SET command .
514 SYSWRK error	Database work file I/O error	Check the linter.out file to obtain the operating system error code.
515 Invalid file type	Linter internal error detected.	Re-launch kernel. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
516 Unknown file type		
601 Internal Linter system error: Constant length greater than ATTRIBUTE length.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		of the database needs to be restored. If that is not possible, contact Relex support team.
603 Internal Linter system error: Illegal function ATTRIBUTE type.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
604 Internal Linter system error: FLAG assignment error.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
605 Internal Linter system error: Incorrect number of indexed columns.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
606 Internal Linter system error: Incorrect logical expression stack.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
607 Internal Linter system error: Incorrect logical operation in stack.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
699 Internal error.	Not enough space to work with composite indexes	Contact Relex support team.
700 Index level full.	The tree has reached the 8-th branching	Repeat the query. If the error

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
	point/node. Search terminates.	persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team
701 Incorrect index header.	Tree node has an incorrect header. Search terminates.	Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
702 Wrong index page.	Tree node contains keys in an incorrect order (i.e., not ascending). Search terminates.	Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
703 Incorrect BITMAP for the index file.	In the index file BITMAP the occupied page space is incorrectly shown. Search terminates.	In order to correct the situation use REBUILD TABLE + PRESS TABLE...
704 Incorrect horizontal index reference.	The coordination between the horizontal and the vertical tree references has been disrupted. Search terminates.	Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
705 B-tree page check error.	Internal error in index processing operation.	Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
706 Column does not belong to the B-tree structure.	Internal error in index processing operation.	Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		of the database needs to be restored. If that is not possible, contact Relex support team.
707 NULL-pointer to the B-tree root.	Internal error in index processing operation.	Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
708 Incorrect pointer to the B-tree end node.	Internal error in index processing operation.	Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
709 SYSWRK bitmap error.	Work file bitmap corrupted.	Re-launch kernel, if the error persists, create a new syswrk file using gendb utility.
710 Syslog page corrupted.	Syslog page corrupted.	Shut down Linter, create a new journal files using gendb utility and re-launch Linter. If the error persists, contact Relex support team.
711 B-tree error.	B-tree level overflow	Rebuild the index and report the error to Relex support team
750 Update text index error.	It very likely that, text index is corrupted or not enough memory	Rebuild the text index, or create more space on the hard drive. If error persist contact Relex support team.
751 Search text index error.	It very likely that, the text index is corrupted.	Rebuild the text index. If error persist contact Relex support team
752 Internal error.		Re-launch kernel, if the error persists contact Relex support team.
753 An attempt to create full text index on system table.		
800 Not enough memory for main structures in pool.	Not enough RAM allocated for a new bit-vector header.	Attempt to increase the memory size for the page queue. In order to do that all other queues (table,

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		column, file, and channel) need to be decreased in size
801 SYSWBV.IN1 is too small. The file cannot be expanded.	Not enough space for a bit-vector in file 1.31. File 1.31 expands automatically. This error means that the system is processing several complex queries at the time and the hard drive space is limited.	Check the hard drive containing file 1.31 and attempt to free up more space.
802 Internal Linter system error: All pages in SYSWBV.IN1 used..	The BITMAP file for file 1.31 shows that all the pages are in use. Search terminates.	If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
804 Internal Linter system error: Incorrect cache.		If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
805 Internal Linter system error: Bit-vector clear error.		If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
806 Internal Linter system error: Number list full.		If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
807 Internal Linter system error: Unoccupied structure in bit-vector.		If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		support.
808 Internal Linter system error: Bit-vector not found.		If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
809 Internal Linter system error: Number list not found.		If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
810 Too many tables in query.	Number of tables in one subquery should not exceed 32.	Correct the query.
811 Uncoordinated parameters.	Loss of control during the merger of two B-trees (a two-variable query)	Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
812 Internal Linter system error: Bit-vector full.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
813 Internal Linter system error: Incorrect memory allocation in longobj.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
814 Linter internal work area error.	Linter internal memory error	Re-launch kernel, if the error persists, contact Relex support team

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
815 Linter workfile overflow.	Linter internal error	Allocate more space for SYSWRK file using gendb
816 Invalid rowed for bit-vector.	Rowid more than 0x3FFFFFFE detected	Restart Linter, if the error persists contact Relex support team
817 User work area overflow.	User workset size is exceeded	Change the user workset size using gendb utility, or contact database administrator
819 Bit-vector overflow.	Query middle generated data are too big	Verify the query or contact Relex support team
901 Primary key has no value.	The primary key should have a value.	Assign a value to the primary key.
902 cannot drop index for a key column.	An attempt to delete index for Primary , Foreign, or Unique key using DROP INDEX statement	Use DROP PRIMARY KEY or DROP FOREIGN KEY statements
903 Duplicate value of Primary key.	The primary key value has to be unique.	Assign the correct value to the primary key.
904 Internal Linter system error: Key references a nonexistent index. Refresh is impossible.		Create the index.
905 Primary key value does not exist.	An attempt to create a secondary key not identical to the primary key.	Correct the error in the plug-in.
906 An external key has an identical value.	An attempt to delete the primary key identical to the secondary.	Correct the error in the plug-in.
907 Incorrect reference integrity specification.	An attempt to perform an illegal operation. Deleting a table which is referenced by other parts of the database, etc.	Correct the error in the plug-in.
908 DB journal is turned off, but primary key feature used.	Primary key feature used while DB journal turned off	Turn on DB journal or exclude use of primary key feature.
909 Reference already exists.	An attempt to add Foreign key which already exists.	Correct the error in the plug-in.
910 Too many cascade operations.	Cascade operation level overflow	Check the database schema and the sql-query.
911 An attempt to delete the index for column with foreign reference.		Drop the foreign reference definition before delete the index.
912 Number of table indexes exceeded.		Reduce the number of indexes for table

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
913 Index description missing.		Restore the table using testdb.
914 'Check' option ALTER command failed.		Verify table data to comply the check definition or change the 'check' option definition.
915 No 'check option' definition detected.	Error occurs while the drop check query received	Check the table definition.
916 Check option is too long.		Verify the SQL query.
917 Unique integrity constraints already exists.		Verify the table integrity constraints definition.
918 Invalid integrity constraint definition.		Restore the table using testdb.
919 Named index is used.	Couldn't execute the query against named index	Verify the query.
920 Trigger result is false.	Trigger returned the 'false'	Verify the query.
1000 Unknown Call-interface command.	Command used in Call-interface is not supported in the current version of Linter.	Correct the error in the plug-in.
1001 Linter kernel queue not found. No active kernel.	An error in the Linter kernel exchange mechanism or the Linter kernel is not present on the host system. This could be caused by an error in the in the operating system multitasking environment or the absence of the Linter network driver.	Make sure that the Linter kernel has successfully loaded on the local system or network host system and that the network driver is working correctly.
1002 Linter network driver queue is missing.	The operating system determines the origin of the error.	Check the SysErr return code. Consult the operating system termination codes reference.
1003 Send message error.	The operating system determines the origin of the error.	Check the SysErr return code. Consult the operating system termination codes reference.
1004 Receive message error.	The operating system determines the origin of the error.	Check the SysErr return code. Consult the operating system termination codes reference.
1005 inter function call in call interface error.	The first parameter in inter function call is not defined.	Assign a value to the parameter.
920 Trigger result is false.	Trigger returned the 'false'	Verify the query.
1000 Unknown Call-interface command.	Command used in Call-interface is not supported in the current version of Linter.	Correct the error in the plug-in.
1001 Linter kernel queue not found. No active	An error in the Linter kernel exchange mechanism or the Linter kernel is not	Make sure that the Linter kernel has successfully loaded on the

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
kernel.	present on the host system. This could be caused by an error in the in the operating system multitasking environment or the absence of the Linter network driver.	local system or network host system and that the network driver is working correctly.
1002 Linter network driver queue is missing.	The operating system determines the origin of the error.	Check the SysErr return code. Consult the operating system termination codes reference.
1003 Send message error.	The operating system determines the origin of the error.	Check the SysErr return code. Consult the operating system termination codes reference.
1004 Receive message error.	The operating system determines the origin of the error.	Check the SysErr return code. Consult the operating system termination codes reference.
1005 inter function call in call interface error.	The first parameter in inter function call is not defined.	Assign a value to the parameter.
1006 inter function call in Call-interface error.	1) The secondparameter in inter is not defined. 2) The operator buffer does not end in a semicolon.	Correct the error in the plug-in.
1007 inter function call in Call-interface error.	The third parameter in inter is not defined.	Assign a value to the parameter.
1008 Return string too long.	The maximum size of the kernel exchange message must not exceed 4332 bytes. This message includes the entry buffer, the control block, etc. This error means that there was not enough space for the entry, including other data, in the exchange buffer.	Use shorter strings. A string length of 3000 bytes will provide an error free operating environment. Restructure the database removing entries exceeding 3000 bytes in length.
1009 No free channels.	This situation may occur in three different instances: 1) An attempt to open a channel when all channels are occupied. 2) An attempt to access a closed channel. 3) An attempt to access someone else's channel.	In the first case the plug-in does not have enough channels in order to work. Increase the kernel launch parameter CHANNEL (maximum number of open channels), using gendb's SET command, launch the kernel again, and execute the plug-in once more. In the last two cases, the error is a consequence of incorrect database design.
1010 Internal Linter system error: SQL compiler not active.		If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		needs to be restored. If that is not possible, contact tech support.
1011 SQL compiler is busy.		
1012 Cannot shut the kernel down.	The kernel contains active channels.	Close the active channels.
1013 Incorrect command order.	The execution of the selected command at present is impossible.	Correct the error in the plug-in.
1014 Row buffer is too small.	Result row size exceeded the row buffer length.	Increase row buffer size or correct the query.
1015 Incorrect operand type for an arithmetic function.	Incompatibility of types in query.	Correct the error in the plug-in.
1016 Divide by zero.	An illegal arithmetic operation.	Correct the expression in the plug-in that contains the divide by zero.
1017 Internal Linter system error: Unknown scalar operand.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
1019 Integer overloaded.	The result of an arithmetical integer operation has exceeded the limits of the INTEGER data type.	Correct the error in the plug-in.
1020 Floating point number overloaded.	The result of an arithmetical floating point operation has exceeded the limits of the FLOAT data type.	Correct the error in the plug-in.
1022 Privileges violation.	An attempt to access data to which the user lacks privileges.	Check whether the user has privileges to access the data in question or consult the system administrator.
1023 Decimal overloaded.	The value returned is too small or too large.	Check the arithmetical operation for correctness.
1024 Internal Linter system error: Sort not active.		If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		support.
1025 Unknown user name.	User name entered incorrectly.	Enter the correct user name.
1026 Incorrect password.	The password entered is incorrect.	Enter the correct password.
1027 Internal Linter system error: Kernel message send error.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
1028 Incorrect expression stack.	This could be an internal Linter error (stack control error) or a stack overload during arithmetical expression processing.	Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
1029 Internal error.		Restart Linter, if error persists contact Relex support team.
1030 Internal Linter system error: Decimal into double conversion error.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
1031 Internal Linter system error: Long integer into decimal conversion error.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
1032 Internal Linter system error: Long double into decimal conversion error.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
1033 Internal Linter system error: Decimal into long integer conversion error.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
1034 Linter internal error.		Restart Linter, if error persists contact Relex support team
1035 Incorrect string expression length.	The return string is too large.	Edit the query.
1036 Argument value outside limits.	The data type cannot accept the entered value.	Check the value constraints in the query.
1037 Query cannot be updated.	An update attempt (UPDATE CURRENT) was made on a query which cannot be updated.	Correct the error in the query.
1038 Data conversion error.	Incorrect data format.	Check the data format.
1039 Auto-incrementing column overloaded.	During data entry into a table with an auto-incrementing column the value of the said column has been overloaded.	Edit the type of the column using ALTER TABLE
1040 String to integer conversion error.	Possibly, a wrong numeric data format.	Check the string being converted.
1041 String into decimal conversion error.	Possibly, a wrong numeric data format.	Check the string being converted.
1042 String into float conversion error.	Possibly, a wrong numeric data format.	Check the string being converted.
1043 Internal Linter system error: Not enough memory for an asynchronous query.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
1044 Channel busy.	Channel access error.	Correct the error in the plug-in.
1045 Channel closed.	Channel access error.	Correct the error in the plug-in.
1046 Internal Linter system error: Kernel halted.		If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		needs to be restored. If that is not possible, contact tech support.
1047 Message too long.	Message does not fit inside the return buffer.	Edit the query.
1048 Operation cancelled by user.	An attempt to execute a cancelled operation.	Repeat the query.
1049 Channel killed.	Channel received the kill command.	Open the channel again.
1050 BIND operation error: Incorrect parameter number.		Check the plug-in.
1051 BIND operation error. Invalid data type		Verify the application or contact Relex support team
1052 BIND operation error: Not all parameters have values assigned.		Check the plug-in.
1053 BIND operation error detected in query buffer. Error may be from any of several possible sources:	Network or transmission failure. Client side memory allocation error. Different client/server versions of Linter	Check: network functioning, client's memory, and that Linter version numbers on client and server are the same. If these are all set up properly, also check the plug-in,
1054 Incorrect parameter name.		Check the plug-in.
1055 Illegal parameters conversion.		Check the plug-in.
1056 Not a SELECT query.	The query is not a SELECT, but the control block (CBL) contains the SLCT command.	Check the plug-in.
1057 Null pointer	Application used NULL data for pointer	Check the application
1058 No memory.	Plug-in requires more memory to run.	Check the plug-in.
1059 Incorrect value assigned to AUTONIC ATTRIBUTE.	A repeating value cannot be assign to the AUTONIC ATTRIBUTE.	Correct the error in the plug-in.
1060 Can not close the channel.	Can not close the channel due to the presence of open cursors.	Correct the error in the plug-in. Close the open cursors.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
1061 Can not access the Linter kernel.	The kernel has been locked by the administrator.	Repeat the query.
1062 Repeating cursor name.	The cursor name has to be unique.	Correct the error in the plug-in.
1064 Channel closed.	A channel forced closed by the administrator.	Re-open the channel.
1069 Incorrect channel number.	Channel access error.	Re-open the channel.
1070 Permissions access violation.	Performing an operation outside the user rights constraints.	Consult the administrator.
1071 Cursor name too long.	The cursor name must not exceed 18 characters.	Correct the error in the plug-in.
1072 Incorrect cursor name.	Possibly, a duplicate cursor name. (Cursor names must be unique)	Correct the error in the plug-in.
1073 The table in the CURRENT OF plug-in is not current.	Only current tables are accessed using CURRENT OF.	Correct the error in the plug-in.
1074 Index data corrupted.	Index corrupted	Restore the table using testdb, or rebuild the index using drop/create index query or use rebuild table ... with indexes;
1075 Internal Linter system error: Message pack error.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
1076 Internal Linter system error: Message unpack error.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
1077 Internal Linter system error: Procedure translator not active.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		restored. If that is not possible, contact tech support.
1078 Internal Linter system error: Incorrect data packet format.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
1079 Internal error.	Internal error of the join query execution	Restart the query or contact Relex support team.
1080 Internal error.		Restart Linter, if error persists contact Relex support team.
1081 Device definition used by others.	Attempt to delete the device definition which is used by some database objects	Verify the database schema.
1082 Integrity constraints definition area overflow.		Check the table definition or contact Relex support team.
1083 Savepoint doesn't exist.	Application error	Verify the application.
1084 Savepoint already exists.	Application error	Verify the application.
1085 Linter synchronous call from asynchronous handler	An attempt to synchronically call Linter from callback function.	Verify the application.
1086 Rename query failed.	Database error	Run testdb to verify the database dictionary.
1087 'Drop default' query failed.	User query error	Verify the query and the database schema.
1088 RowID already in use.	User query error	Verify the query.
1089 Internal error.		Restart Linter, if error resists, contact Relex support team.
1090 Decimal data invalid.	Application error	Verify the query.
1091 The query result maximum length exceeded.		Edit the query.
1092 Internal error.		Repeat the query, if error persists contact Relex support team.
1093 Invalid 'Like'	Application error	Verify the query.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
clause.		
1094 Internal error.		Repeat the query, if error persists contact Relex support team.
1095 Invalid query priority.	Application error	Verify the query.
1096 Invalid channel status.	An attempt to execute 'continue' against the channel with the status not 'paused'	Verify the application.
1097 Query canceled.	The query is canceled by administrator	Contact database administrator.
1098 Internal error.	Temporary index error	Repeat query or restart Linter, if error persists contact Relex team.
1099 An attempt to perform cascade deletion on the table owned by other user.		
1100 Unknown conversion.		
1101 Sequence overflow.		Verify the database.
1102 Current sequence value is not set.	An attempt to get the next sequence value (NEXTVAL) when the current sequence value was not set.	Before receiving the first NEXTVAL value, the current sequence value needs to be set, i.e. receive CURVAL value.
1103 Too many sequences.	Maximum number of the active at the same time sequences is 1000.	Reduce the number of the active at the same time sequences.
1104 Error in CHECK description.	There is zero length parameter in CHECK description.	Shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
1105 Missing table/column in the query or column type doesn't match.	Database structure has changed since the query was compiled.	Recompile and repeat the query.
1106 Internal buffer AUTOINC is overflowed.	There are more than 4 AUTOINC columns within one table.	Decrease the number of AUTOINC columns.
1107 Too short password.	An attempt to specify the password with the length less than allowed to the user.	Set password with correct length or change the allowed length of the password for specific user using ALTER USER statement.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
1108 String buffer is overflowed.		
1300 Complicated CHARACTER SET.	CHARACTER SET contains more than 16 code pages.	Such character sets are not supported. Use less complicated character set.
1301 MBCS code page error.		Re-launch the kernel.
1401 Internal Linter system error: Sort file SYSSRT.IN1 not open.		Re-launch the kernel.
1402 Sort file read error.	The operating system determines the origin of the error.	Check the SysErr return code. Consult the operating system termination codes reference.
1403 Sort file write error.	The operating system determines the origin of the error.	Check the SysErr return code. Consult the operating system termination codes reference.
1404 Internal Linter system error: Stack overload.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
1405 Internal Linter system error: Incorrect stack element.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
1406 Invalid ROWID.	Invalid RowID after Sort Process	Contact Relex support team.
1407 Too long row to be sorted.	Length of row to be sorted is more than one page (4K)	Try to reduce data to be sorted.
1408 Incorrect Sort Process parameters.		
1409 An attempt to read locked page.		
1410 Set of columns is empty.		
1500 No free string numbers in SYSRL;	Can not add a new table description to \$\$\$SYSRL, accessible ROWIDs full.	Modify the \$\$\$SYSRL table.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
SYSRL full.		
1501 No free string numbers in \$\$\$USR; \$\$\$USR is full.	Can not add a new table description to \$\$\$USR, accessible ROWIDs full.	Modify the \$\$\$USR table.
1502 No free string numbers in \$\$\$ATTRI; \$\$\$ATTRI is full.	Can not add a new table description to \$\$\$ATTRI, accessible ROWIDs full.	Modify the \$\$\$ATTRI table.
1503 Table already exists.	An attempt to create a duplicate table name.	Use a unique table name.
1504 String length longer than page length.	Table string size exceeds page size (4096 bytes)	Edit the query.
1505 Index file size too small.	The size of the first AS file has to include not only the size of the bit map but the converter pages as well.	Modify the index file size.
1506 Incorrect file extension number.	This error may occur during an ALTER TABLE operation when the file extension is being added or deleted. There cannot be less than one or more than three files of the same type (DT, AS, BL) in a table, and the DDL query is trying to add a fourth or delete a single existing file.	Correct the error in the ALTER TABLE operation.
1507 File extension occupied.	This error may occur during the ALTER TABLE operation when the file extension is being deleted. Table extensions cannot be deleted if they contain data.	Correct the error in the ALTER TABLE operation.
1508 Column already exists.	This error may occur during the ALTER TABLE operation when a column is being added.	Correct the error in the ALTER TABLE operation.
1509 Incorrect file size.	This error may occur during ALTER TABLE operation when the file size has been incorrectly specified.	Correct the error in the ALTER TABLE operation.
1510 User not found.	GRANT operation error.	Check the user name.
1511 Description definition too large.	The definition text is too large.	Attempt to decrease the VIEW description or split it into two.
1512 User already exists.	An attempt to create a user with an already existing user name.	Use a unique user name.
1513 User could not be deleted.	An attempt to delete a user who is the owner of the database object.	User must delete all his database objects, then me may be deleted.
1514 Missing privileges to be deleted.	Attempt to delete (using REVOKE statement) privileges which are not assigned to the user	

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
1515 Missing role to be deleted.	Attempt to delete (using REVOKE statement) role which is not assigned to the user	
1516 Missing key to be deleted.	It very likely that the key deleted by other user.	Repeat the query. If error 2247 will receive then key was deleted. Otherwise relaunch the kernel. If the error persist contact Relex support team.
1517 Key already exists.	An attempt to create already existing key	
1518 Illegal PRESS statement.	An attempt to accomplish PRESS statement on the table with AUTOROWID	Do not accomplish PRESS statement on the table with AUTOROWID column.
1519 Table name is missing.	An attempt to create table with an empty name	Internal error. Contact Relex support team.
1520 An attempt to explicitly create procedure/index with generic name.		Do not use '#' within the assigned name for the procedure or index.
1521 An attempt of explicit use of implicitly generated procedure/index.		Instead of using procedure/index use trigger/key.
1522 Illegal ALTER COLUMN SIZE statement.	ALTER COLUMN SIZE disabled for table with composite indexes.	Delete composite indexes which contain columns following the column to be changed. After accomplishment of ALTER COLUMN SIZE statement, recreate composite indexes anew.
1523 Node can not be deleted.	The node with replication rules can not be deleted.	Delete all replication rules before deletion of the node.
1524 Code page is not described.		
1525 no BLOB-objects in the table.		
1526 Table truncation is not allowed.	Table truncation is not allowed because of integrity constraint condition.	
1600 Incorrect transaction.	Occurs during the Optimistic Concurrency Control mode of operation. Another transaction has already modified the data. The "tardy" transaction will automatically be halted.	Edit, if necessary, the plug-in preferences.
1700 The row containing	No BLOB-object containing data.	Correct the error in the plug-in.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
the BLOB column was not refreshed.		
1701 BLOB-object is missing.		
1702 BLOB object string not locked.	An attempt to lock the BLOB-object string was unsuccessful because it has already been locked, probably by another user.	Repeat the query.
1703 Internal Linter system error: Incorrect BLOB-column parameters.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
1704 Incorrect pointer to the beginning of the BLOB.	The number indicated in GOBJ – the first byte in BLOB is not even.	Correct the error in the plug-in.
1705 Internal Linter system error or corrupted BLOB file page. Incorrect BLOB page header.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
1706 Internal Linter system error or incorrect BLOB page size. Incorrect BLOB page header.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible contact tech support.
1707 Internal Linter system error or corrupted BLOB file page. Incorrect BLOB row number.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
1708 Internal Linter system error or corrupted BLOB page.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
Inconsistency between BITMAP and BITMAP monitor.		TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
1709 Internal Linter system error: BLOB file full. Incorrect first page reference.	No space for BLOB data.	Create another BLOB file using gendb. Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
1710 Internal Linter system error: Incorrect last BLOB page.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
1711 Illegal number of last page in BLOB descriptor.		Shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
1712 Internal Linter system error: Incorrect current BLOB page.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
1713 Incorrect BLOB column operation.	The usage of a BLOB column in a query other than a search query is not allowed.	Correct the error in the plug-in.
1714 Internal error.	An attempt to write the chunk of the data size's more then 4K to BLOB page.	Contact Relex support team
1715 Illegal column.	An attempt to add Primary key, Foreign key, Unique Key, AUTOINC, AUTOROWID, or NOT NULL column	AUTOINC and AUTOROWID are prohibited to add to the table. To add the Primary key, Foreign key, Unique key and NOT

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
	to the table which already has rows.	NULL, make the following steps: <ul style="list-style-type: none"> • Add the new column to the table; • Fill the column with data;. • Accomplish ALTER TABLE statement to apply the specified integrity constraints.
1717 BLOB return error while logging.		Contact Relex support team.
1718 Internal kernel error - buffer overflow.		Contact Relex support team.
1719 Incorrect column number.	Specified column number is not a BLOB column.	Specify the correct column number.
1800 Incorrect occurrence identifier.	An incorrect or an unidentified occurrence name has been assigned to the occurrence.	Check the identifier.
1801 Occurrence has been terminated.	The occurrence has been terminated through another channel.	Check the identifier.
1900 Error returned type.		Contact Relex support team
2001 Illegal symbol.		Check the SQL call and correct the error.
2004 Commentary not finished.		Check the SQL call and correct the error.
2005 Identifier too long.		Check the SQL call and correct the error.
2006 String too long.		Check the SQL call and correct the error.
2007 Keyword too long.		Check the SQL call and correct the error.
2008 Symbol string not finished.		Check the SQL call and correct the error.
2009 End-of-file in line comment.	The ‘;’ is missing before ‘—‘ symbol in the comment	Check the SQL call and correct the error.
2020 Numeric value conversion error.		Check the SQL call and correct the error.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
2021 Numeric value expected.		Check the SQL call and correct the error.
2022 Illegal symbol assigned to a numeric variable.		Check the SQL call and correct the error.
2023 Numeric value too big.		Check the SQL call and correct the error.
2024 Numeric value conversion error.		Check the SQL call and correct the error.
2025 Numeric value syntax error.		Check the SQL call and correct the error.
2026 Numeric value lost.		Check the SQL call and correct the error.
2030 Illegal numeric value order.		Check the SQL call and correct the error.
2031 Incompatible types.		Check the SQL call and correct the error.
2032 Incorrect date.		Check the SQL call and correct the error.
2040 Too many identifiers or strings.		Check the SQL call and correct the error.
2041 Too many identifiers.		Check the SQL call and correct the error.
2050 Syntax error.		Check the SQL call and correct the error.
2051 Unknown sentence.		Check the SQL call and correct the error.
2052 Identifier expected.		Check the SQL call and correct the error.
2060 Function nesting not allowed.		Check the SQL call and correct the error.
2061 Complex query: too many functions.		Check the SQL call and correct the error.
2062 Complex query: too many expression elements.		Check the SQL call and correct the error.
2063 Complex query: too many predicates.		Check the SQL call and correct the error.
2064 Complicated query.	Linters predicate group buffer overflow	Simplify the query.
2065 Complicated query.	Linters predicate group buffer overflow	Simplify the query.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
2066 Complex expression: expression buffer full.		Check the SQL call and correct the error.
2067 Complex expression: stack overloaded.		Check the SQL call and correct the error.
2068 Illegal operation.		Check the SQL call and correct the error.
2069 Incorrect function syntax.		Check the SQL call and correct the error.
2070 Incorrect expression syntax.		Check the SQL call and correct the error.
2071 Scalar expression expected.		Check the SQL call and correct the error.
2072 Expression-query expected.		Check the SQL call and correct the error.
2073 Numeric value expected.		Check the SQL call and correct the error.
2074 Incorrect sub-query syntax.		Check the SQL call and correct the error.
2075 Column specification expected in NULL-predicate.		Check the SQL call and correct the error.
2076 Symbol column specification expected in LIKE-predicate.		Check the SQL call and correct the error.
2077 Symbol string expected in LIKE-predicate.		Check the SQL call and correct the error.
2078 Limit-symbol expected in LIKE predicate.		Check the SQL call and correct the error.
2079 Predicate expected.		Check the SQL call and correct the error.
2080 Value specification expected.		Check the SQL call and correct the error.
2081 Single column table expected.		Check the SQL call and correct the error.
2082 Value list too long in IN predicate.		Check the SQL call and correct the error.
2083 Logical expression		Check the SQL call and correct

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
expected.		the error.
2084 Symbol data expected.		Check the SQL call and correct the error.
2085 Numeric value or date expected.		Check the SQL call and correct the error.
2086 Incorrect format syntax.		Check the SQL call and correct the error.
2087 BYTE expression expected.		Check the SQL call and correct the error.
2088 Too many parameters.		Check the SQL call and correct the error.
2089 BLOB type expected.		Check the SQL call and correct the error.
2090 Query too complex. KEYTBL overloaded.		Check the SQL call and correct the error.
2091 Query too complex. Too many security groups.		Check the SQL call and correct the error.
2092 Query too complex. Too many security levels.		Check the SQL call and correct the error.
2093 Invalid Hexadecimal value.		Check the SQL call and correct the error.
2094 Invalid time string.		Check the SQL call and correct the error.
2096 Unknown parameter or expression data type.		Use explicit definition of the NULL (CAST NULL AS type) or of the parameter (? (type))
2097 Illegal comparison.	An attempt to compare value expression to multicolumn data set	Check the SQL call and correct the error.
2098 Invalid data type.	Character data type is expected as an argument of the operation or function	Check the SQL call and correct the error.
2100 CREATE TABLE error.		Check the SQL call and correct the error.
2101 Illegal MAXROWID value.		Check the SQL call and correct the error.
2102 Illegal MAXROW value.		Check the SQL call and correct the error.
2103 Illegal PCTFILL value.		Check the SQL call and correct the error.
2104 Duplicate MAXROWID		Check the SQL call and correct the error.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
description.		
2105 Duplicate MAXROW description.		Check the SQL call and correct the error.
2106 Duplicate PCTFILL description.		Check the SQL call and correct the error.
2107 Illegal file number.		Check the SQL call and correct the error.
2108 Illegal device name.		Check the SQL call and correct the error.
2109 Illegal file size.		Check the SQL call and correct the error.
2110 Duplicate data file description.		Check the SQL call and correct the error.
2111 Duplicate index file description.		Check the SQL call and correct the error.
2112 Duplicate BLOB file description.		Check the SQL call and correct the error.
2113 Duplicate BLOBPCT parameter description – BLOB fill percentage .		Check the SQL call and correct the error.
2114 Illegal BLOBPCT parameter value – BLOB fill percentage.		Check the SQL call and correct the error.
2115 Duplicate security level description.		Check the SQL call and correct the error.
2116 Illegal security level value.		Check the SQL call and correct the error.
2117 Duplicate security level value.		Check the SQL call and correct the error.
2118 Illegal security group value.		Check the SQL call and correct the error.
2119 Duplicate password.		Check the SQL call and correct the error.
2120 Table name expected.		Check the SQL call and correct the error.
2121 Too many columns.		Check the SQL call and correct the error.
2122 Duplicate column name.		Check the SQL call and correct the error.
2123 Syntax error in		Check the SQL call and correct

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
column description.		the error.
2124 Illegal column type.		Check the SQL call and correct the error.
2125 Illegal scale value.		Check the SQL call and correct the error.
2126 Illegal length/precision value.		Check the SQL call and correct the error.
2127 Incompatible value in DEFAULT specification.		Check the SQL call and correct the error.
2128 Syntax error in DEFAULT specification.		Check the SQL call and correct the error.
2129 Syntax error in NULL limit.		Check the SQL call and correct the error.
2130 No columns are specified.		Check the SQL call and correct the error.
2131 Duplicate BLOB type or AUTOINC specification.		Check the SQL call and correct the error.
2132 Cannot create a table as another user.		Check the SQL call and correct the error.
2133 Cannot delete other user's table.		Check the SQL call and correct the error.
2134 Role specified instead of username.		Check the SQL call and correct the error.
2135 Username specified instead of role.		Check the SQL call and correct the error.
2136 Username already exists.		Check the SQL call and correct the error.
2137 Two primary keys created.		Check the SQL call and correct the error.
2138 Insertion into the primary key table or AUTOINC column or BLOB column.		Check the SQL call and correct the error.
2139 Locking mode description expected.		Check the SQL call and correct the error.
2140 Incorrect REVOKE or GRANT sentence syntax.		Check the SQL call and correct the error.
2141 Two default values		Check the SQL call and correct

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
assigned to one column.		the error.
2142 Non-unique column referenced.		Check the SQL call and correct the error.
2143 Key longer than 8 columns.		Check the SQL call and correct the error.
2144 Duplicate column description in key.		Check the SQL call and correct the error.
2145 Duplicate privileges description.		Check the SQL call and correct the error.
2146 Privileges description expected.		Check the SQL call and correct the error.
2147 Incorrect password syntax.		Check the SQL call and correct the error.
2148 Too many passwords.		Check the SQL call and correct the error.
2149 Cannot access file number.		Check the SQL call and correct the error.
2150 Index already exists.		Check the SQL call and correct the error.
2151 Index does not exist.		Check the SQL call and correct the error.
2152 Duplicate username.		Check the SQL call and correct the error.
2153 Incorrect column number in sub-query.		Check the SQL call and correct the error.
2154 Column name list must be assigned.		Check the SQL call and correct the error.
2155 Cannot create procedure for another user.		Check the SQL call and correct the error.
2156 Cannot delete other user's procedure.		Check the SQL call and correct the error.
2157 Duplicate COMMENT	COMMENT is twice used in the BACKUP statement.	Check the SQL call and correct the error.
2160 Complex query: profile buffer full.		Check the SQL call and correct the error.
2161 Incorrect profile: unexpected profile description end.		Check the SQL call and correct the error.
2162 Given profile cannot be refreshed.		Check the SQL call and correct the error.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
2163 Given operation cannot be performed on the profile.		Check the SQL call and correct the error.
2164 Given operation cannot be performed on the base table.		Check the SQL call and correct the error.
2170 Unknown node name.		Check the SQL call and correct the error.
2171 Node already exists.		Check the SQL call and correct the error.
2172 Incorrect ROWID or auto-incrementing column usage.		Check the SQL call and correct the error.
2173 Occurrence name already in use.		Check the SQL call and correct the error.
2174 Occurrence does not exist.		Check the SQL call and correct the error.
2175 Synonym already exists.		Check the SQL call and correct the error.
2176 Synonym does not exist.		Check the SQL call and correct the error.
2177 Parameter used without query execution.		Check the SQL call and correct the error.
2178 Cursor with the particular name does not exist.		Check the SQL call and correct the error.
2179 Column with such type cannot be indexed.		Check the SQL call and correct the error.
2180 Security objects cannot be deleted.		Check the SQL call and correct the error.
2181 Missing value for the maximum length of the column to be created.	Max Length for VARCHAR, VARBYTE, NCHAR VARYING columns is not specified	Specify maximum length for those columns.
2182 Empty Data base object name	Database object name or column name is not specified in the statement CREATE TABLE AS SELECT.....	Check the SQL call and correct the error.
2183 Illegal query for AUTOINC column	ALTER TABLE ALTER COLUMN SET DEFAULT is illegal for the AUTOINC column.	
2184 Wrong RANGE	Wrong ROWID RANGE values in AUTOINC WITH RANGE statement.	Check the SQL call and correct the error. Ranges must be disjoint

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		intervals in increasing order.
2185 Illegal column type	An attempt to use non AUTOINC column in the ALTER TABLE ALTER COLUMN ADD RANGE statement	Check the SQL call and correct the error.
2186 Too long Index	An attempt to build composite index longer than 255 bytes or build index for column longer than 1024 bytes.	Check the SQL call and correct the error.
2187 cannot create or drop trigger for a table of another user	An attempt to create or delete trigger on table that is owned by a different user.	Check the SQL call and correct the error.
2188 Internal error.	Database object with zero ID	Shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
2189 Illegal type of the column.	Illegal use of BLOB or EXTFILE column.	Check the SQL call and correct the error.
2190 Parameters can be used only in DML queries.		
2191 Illegal integrity constraint condition for CREATE TABLE AS SELECT statement.		
2200 Too many users.		Check the SQL call and correct the error.
2201 Too many table references.		Check the SQL call and correct the error.
2202 Nonexistent table.		Check the SQL call and correct the error.
2203 Nonexistent user.		Check the SQL call and correct the error.
2204 Table without description referenced.		Check the SQL call and correct the error.
2205 Vague table reference.		Check the SQL call and correct the error.
2206 No sub-query name.		Check the SQL call and correct the error.
2207 Nonexistent column.		Check the SQL call and correct the error.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
2208 Too many column references.		Check the SQL call and correct the error.
2209 Vague column reference.		Check the SQL call and correct the error.
2210 Column not found.		Check the SQL call and correct the error.
2211 Too many tables.		Check the SQL call and correct the error.
2212 Empty FROM specification.		Check the SQL call and correct the error.
2213 Too many sub-query.		Check the SQL call and correct the error.
2214 Too many columns.		Check the SQL call and correct the error.
2215 Column reference not allowed in this context.		Check the SQL call and correct the error.
2216 Invalid column number.	Invalid column number in ORDER BY statement.	Check the SQL call and correct the error.
2217 Wrong value list in IN predicate.		Check the SQL call and correct the error.
2218 List too short.		Check the SQL call and correct the error.
2219 Illegal reference to a table refreshed using INSERT/DELETE/UPDATE.		Check the SQL call and correct the error.
2220 Column cannot have a NULL value.		Check the SQL call and correct the error.
2221 Incompatible types assignment.		Check the SQL call and correct the error.
2222 Incompatible query unification.		Check the SQL call and correct the error.
2223 Can not use columns in function/outside function.		Check the SQL call and correct the error.
2224 Incorrect function use.		Check the SQL call and correct the error.
2225 Too many tables in query expression.		Check the SQL call and correct the error.
2226 Return message too		Check the SQL call and correct

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
long.		the error.
2227 Ordering in column not present in query return.		Check the SQL call and correct the error.
2228 Column description not found – database corrupted.		Re-launch the kernel. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
2229 Unknown procedure.		Check the SQL call and correct the error.
2230 Unknown security group.		Check the SQL call and correct the error.
2231 Unknown security level.		Check the SQL call and correct the error.
2232 Security group already defined.		Check the SQL call and correct the error.
2233 Security level already defined.		Check the SQL call and correct the error.
2234 Unknown station.		Check the SQL call and correct the error.
2235 Unknown hardware.		Check the SQL call and correct the error.
2236 Station already defined.		Check the SQL call and correct the error.
2237 Hardware already defined.		Check the SQL call and correct the error.
2238 Unknown network protocol.		Check the SQL call and correct the error.
2239 Network address too long.		Check the SQL call and correct the error.
2240 Directory name too long.		Check the SQL call and correct the error.
2241 Commentary too long.		Check the SQL call and correct the error.
2242 Duplicate profile.		Check the SQL call and correct the error.
2243 Unknown date.		Check the SQL call and correct the error.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
2244 Illegal station "limit" value.		Check the SQL call and correct the error.
2245 An attempt to create already existing procedure.		In case if you want to recreate procedure use ALTER TABLE instead of CREATE PROCEDURE.
2246 Too many arguments in procedure.		Check the SQL call and correct the error.
2247 An attempt to delete non-existent key.		Check the SQL call and correct the error.
2248 Too many user's functions.		Check the SQL call and correct the error.
2249 Stored procedure, being used as a user defined function, doesn't return a result.		Check the SQL call and correct the error.
2251 Illegal use of DISTINCT option		Check the SQL call and correct the error.
2252 Replication rule name already exists.		In case if you want to recreate replication rule, first delete it or use CREATE OR REPLACE statement.
2253 Unknown replication name.		Check the SQL call and correct the error.
2254 An attempt to create a replication rule for the table without primary key.		Create a primary key for table.
2255 Error in JOIN statement.		Check the SQL call and correct the error.
2256 Error in the hierarchical query.		Check the SQL call and correct the error.
2257 Trigger name already exists.		In case if you want to recreate trigger, first delete it or use CREATE OR REPLACE statement.
2258 Unknown trigger name.		Check the SQL call and correct the error.
2259 Too many parameters in procedure.		Check the SQL call and correct the error.
2260 Parameter expected.		Specify parameter using ? or :name.
2261 Invalid stored	Stored procedure, returning logical data	Change the returning value for

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
procedure.	type value or cursor, can not be used as user defined function	stored procedure.
2262 Invalid output parameters.	Stored procedure with output parameters can not be used in user' defined function	Use stored procedure without output parameters.
2263 Illegal statement for remote table.	ALTER TABLE, PRESS TABLE, REBUILD TABLE, LOCK TABLE, UNLOCK TABLE are prohibited for remote table.	Use statement only for local table.
2264 Illegal column to be resized.	It is impossible to resize non-character data type column or column on which index is built or column with specified DEFAULT value.	Delete all indices created on this column and DEFAULT-value. Resize the column and than create all indexes anew.
2265 Discrepancy in VIEW and TABLE column data types.	Database schema possibly was modified.	Recreate VIEW.
2266 Illegal design in the CHECK comparison		Check the SQL call and correct the error.
2267 Wrong reference.	An attempt to reference to non-existent key.	Check the SQL call and correct the error.
2268 Inconsistent column modifiers.		Check the SQL call and correct the error.
2269 Invalid cursor/connection priority.	Priority value must be in range from 0 to 255.	Check the SQL call and correct the error.
2270 Query with outer reference in UPDATE is not supported yet.		
2271 Invalid access time.		Check the SQL call and correct the error.
2272 Invalid Linter communication protocol.		Specify one of the following values: IPX, SPX, TCPIP, NETBIOS, NPIPE, DECNET, LOCAL.
2273 Missing network address.		Check the SQL call and correct the error.
2274 Unknown code alias.		
2275 Inconsistent parameter data type.	An attempt to use the same parameter with different data type.	
2276 An attempt to sort DISTINCT query using nonselected expression.		

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
2300 AUDIT command expected.		Check the SQL call and correct the error.
2301 AUDIT command parameter expected.		Check the SQL call and correct the error.
2302 Filter already exists.	An attempt to create filter which already exists.	Check the SQL call and correct the error.
2303 Filter doesn't exist.	An attempt to use filter which doesn't exist.	Check the SQL call and correct the error.
2304 Root directory in EXTFILE COLUMN is too long (max. 512B).		Check the SQL call and correct the error.
2305 Invalid filter name length.	An attempt to create external filter with filter name length < 1.	Check the SQL call and correct the error.
2306 Illegal column for function or ROOT.	Specified column must be EXTFILE	Check the SQL call and correct the error.
2307 Illegal number value.	For example, an attempt to specify maximum length of password greater than 66.	Check the SQL call and correct the error.
2350 Unknown character set.		
2351 An attempt to delete sequence of other owner.		
2252 Sequence already exist.		
2353 Sequence doesn't exist.	An attempt to use nonexistent sequence.	Check the SQL call and correct the error.
2354 Character set already exist.		
2355 Unknown conversion of character set.		
2356 Character set conversion already exist.		
2357 256-byte string expected.		
2358 512-byte string expected.		
2359 PRIOROTY definition expected.		
2360 CALCULATE definition expected.		

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
2450 Message receive error.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
2451 Message send error.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
2452 Message create error.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
2453 MBCS-string code translation error.		
2480 Internal compiler error: incorrect identifier.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
2481 Internal compiler error: incorrect move in pool.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
2482 Internal compiler error: incorrect expression element number.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		of the database needs to be restored. If that is not possible, contact tech support.
2483 Internal compiler error: incorrect expression element of type date.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
2484 Internal compiler error: error during privilege addition.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
2485 Internal compiler error: during query normalization.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
2490 Internal error.		contact Relex tech support.
2492 NULL values not yet realized.		Check the SQL call and correct the error.
2498 Possibility not yet realized.		Check the SQL call and correct the error.
2499 Possibility not yet realized.		Check the SQL call and correct the error.
2500 RANGE expected.		Check the SQL call and correct the error.
2515 Keyword VALUE expected.		
2516 Keyword NUMBERS Expected.		
2522 Keyword FILTER expected.		
2531 Keyword SERVER expected.		

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
2535 Keyword INDEXES expected.		
2545 Keyword QUANT expected.		
2700 Identifier expected.		Check the SQL call and correct the error.
2701 Literal expected.		Check the SQL call and correct the error.
2702 Comma (,) expected.		Check the SQL call and correct the error.
2704 Keysymbol '(' expected.		Check the SQL call and correct the error.
2705 Keysymbol ')' expected.		Check the SQL call and correct the error.
2706 Keysymbol '=' expected.		Check the SQL call and correct the error.
2712 Keysymbol '+' expected.		
2720 Keyword ACTION expected.		Check the SQL call and correct the error.
2724 Keyword AND expected.		Check the SQL call and correct the error.
2726 Keyword AS expected.		Check the SQL call and correct the error.
2737 Keyword BY expected.		Check the SQL call and correct the error.
2744 Keyword CHECK expected.		Check the SQL call and correct the error.
2747 Keyword COMMIT expected.		Check the SQL call and correct the error.
2752 Keyword CURSOR expected.		Check the SQL call and correct the error.
2760 Keyword DEFAULT expected.		Check the SQL call and correct the error.
2767 Keyword END expected.		Check the SQL call and correct the error.
2769 Keyword EVENT expected.		Check the SQL call and correct the error.
2777 Keyword FOR expected.		Check the SQL call and correct the error.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
2779 Keyword FROM expected.		Check the SQL call and correct the error.
2782 Keyword GRANT expected.		Check the SQL call and correct the error.
2786 Keyword IN expected.		Check the SQL call and correct the error.
2794 Keyword INTO expected.		Check the SQL call and correct the error.
2796 Keyword KEY expected.		Check the SQL call and correct the error.
2804 Keyword MODE expected.		Check the SQL call and correct the error.
2806 Keyword NODE expected.		Check the SQL call and correct the error.
2810 Keyword NULL expected.		Check the SQL call and correct the error.
2813 Keyword OF expected.		Check the SQL call and correct the error.
2814 Keyword ON expected.		Check the SQL call and correct the error.
2815 Keyword OPTION expected.		Check the SQL call and correct the error.
2823 Keyword PROCEDURE expected.		Check the SQL call and correct the error.
2828 Keyword PREFERENCES expected.		Check the SQL call and correct the error.
2831 Keyword SERVER expected.	Application error	Check the SQL query and correct the error
2835 Keyword SELECT expected.		Check the SQL call and correct the error.
2836 Keyword SET expected.		Check the SQL call and correct the error.
2842 Keyword SYNONYM expected.		Check the SQL call and correct the error.
2844 Keyword TABLE expected.		Check the SQL call and correct the error.
2845 Keyword THEN expected.		Check the SQL call and correct the error.
2847 Keyword TO		Check the SQL call and correct

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
expected.		the error.
2856 Keyword VALUES expected.		Check the SQL call and correct the error.
2861 Keyword WITH expected.		Check the SQL call and correct the error.
2916 Keyword READ expected.		Check the SQL call and correct the error.
2918 Keyword LEVEL expected.		Check the SQL call and correct the error.
2921 Keyword LIMIT expected.		Check the SQL call and correct the error.
2926 Keyword SUCCESS expected.		Check the SQL call and correct the error.
2946 Keyword LOGIN expected.		Check the SQL call and correct the error.
2955 Keyword APPEND expected.		Check the SQL call and correct the error.
2959 Keyword JOIN expected.		Check the SQL call and correct the error.
2960 Keyword REPLICATION expected.		Check the SQL call and correct the error.
2961 Keyword RULE expected.		Check the SQL call and correct the error.
2974 Keyword EACH expected.		Check the SQL call and correct the error.
2976 Keyword OLD expected.		Check the SQL call and correct the error.
2981 Keyword ONLY expected.		Check the SQL call and correct the error.
2983 Keyword UNCOMMITTED expected.		Check the SQL call and correct the error.
2986 Keyword SAVEPOINT expected.		Check the SQL call and correct the error.
2999 BASE expected.		Check the SQL call and correct the error.
3000 End of selection.	No entries found, deleted, changed, added	Correct the error in the plug-in.
3001 Realization resources exceeded.	One of the following limits has been exceeded:	

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
	<p>1) Not more than 32 variables in one operator.</p> <p>2) Not more than 32 Kb of characters in operator text.</p>	
3002 Incompatibility of types.	An attempt to select a field value into a variable of an incompatible type.	Correct the error in the plug-in.
3003 Incorrect number of variables.	The USING structure contains a different number of input variables than was declared during cursor creation, or the INTO structure contains a different number of output variables than the SELECT operator has declared.	Correct the error in the plug-in.
3004 Not enough memory.	Not enough memory reserved for run-time structures.	Increase the system pool size.
3005 Syntax error in query.	During the text analysis of the SQL sentence a syntax error is found.	Correct the error in the SQL query.
3006 Too many entries selected.	An attempt to execute the SELECT operator, which selects more entries than the holding block can contain.	Increase the size of the holding block.
3007 Incompatibility in block sizes.	Blocks of differing sizes are declared as variables for single operator.	Check the operator.
3008 Incorrect FETCH parameters.	During the selection of entries, the FETCH modifier differs from the NEXT modifier.	Correct the erroneous operator.
3010 Channel already open.	An attempt to use the CONNECT operator twice on one database.	Correct the error in the plug-in.
3011 Channel not open.	An attempt to access a channel before creating a logical connection with it using CONNECT.	Open the channel.
3012 Sentence not ready. PREPARE was not utilized.	An attempt to execute a sentence without using PREPARE first.	Correct the error in the plug-in.
3013 Cursor not open.	An attempt to access a closed cursor.	Correct the error in the plug-in.
3014 Cursor already open.	An attempt to open an already open cursor.	Correct the error in the plug-in.
3015 Sentence not ready. DESCRIBE was not utilized.	An attempt to execute the OPEN or FETCH operator with the function USING DESCRIPTOR for a descriptor which was not filled by DESCRIBE.	Correct the error in the plug-in.
3016 Descriptor too small.	The reserved number of elements in the descriptor is too small for the data in all the variables.	Increase the number of elements.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
3017 FETCH was not executed; BLOB selection impossible.	When working with a BLOB value, the entry holding the value should be accessed with FETCH first.	Correct the error in the plug-in.
3018 Incompatibility of the number of the parameters in query and descriptor.		
3019 Invalid index in descriptor.		
3020 Descriptor is not arranged.		
3021 Indicator variable is missing but NULL values is used.		
3022 No destination address to keep data		
3023 Invalid values		
3024 Parameters is not bound.		
3025 The variables is not initialized by the CONTEXT operator.		
3026 Incompatibility of stored procedure prototype declaration.		
3027 Too big value.		
3028 NULL-value is not allowed in descriptor.		
3029 Query is not a SELECT query.		
3030 Invalid input variable count.		
3031 Invalid output variable count.		
3032 Incompatible Linter version.		
3100 Internal Linter system error: Incorrect structure pointer.	Internal structure contents corrupted.	Re-launch the kernel. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		restored. If that is not possible, contact tech support.
4001 Network channel open error; socket.	Possibly, the network is not properly installed.	Check the network functionality.
4002 Ioctl error.		Contact Relex support team
4003 Setsockopt error.		Contact Relex support team
4004 BIND function error.	Possibly the network is not properly installed.	Check the network functionality.
4005 SELECT function error.	Possibly the network is not properly installed.	Check the network functionality.
4006 Error opening network connection.	Server is unreachable or the server address is incorrectly entered in the nodetab file.	Check the presence of the network driver, the server connection, and the server entry in the nodetab file.
4007 Network data transfer error.	No connection to the server.	Check the network functionality.
4008 Network data receive error.	No connection to the server.	Check the network functionality.
4009 Network connection closed by the server.	Linter kernel not running on the server.	Launch the kernel.
4010 Incompatible Linter network component version.		Verify installed Linter version
4011 Internal error.		Contact Relex support team
4050 Unknown host name.	Either the server is missing from the nodetab file or the server parameters are incorrectly entered.	Check the server entry in the nodetab file.
4051 Network connection severed.		Check the network driver.
4052 Too many database server definitions in nodetab file.		Clean the nodetab file.
4053 Initialize Linter network protocol error.		Contact Relex support team
4054 Error getting host address.	Impossible to determine the server address by its name. Possibly the DNS is not functioning properly or the server name in the nodetab file is wrong.	Check the server name in the nodetab file or use the IP address instead of the name.
4055 Erroneous network connection code (MS-DOS).	Server unreachable.	Check the network driver.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
4056 Linter network protocol disabled.		Contact Relex support team.
4057 Watch packet receive timeout expired.		
4058 Timeout of setting connection is expired.		
4059 Timeout of the answer is expired.		
4060 Too many client applications.		
4061 Connection is closed.		
4062 Network is overloaded.		
4063 Network protocol initialization error.		
4064 Network server determination error.		
4065 Timeout is expired.		
4066 Network protocol is not allowed or supported.		
4067 Too many client queries.		
4100 Only SPX protocol supported..		Contact Relex support team.
4101 Erroneous network data reception code (MS-DOS).	Connection to server severed.	Check the network functionality.
4150 Linter kernel not found.		Launch Linter.
4151 Linter send message error.		Contact Relex support team.
4152 Linter receive message error.		Contact Relex support team.
4153 Too many connections.		Contact Relex support team.
4154 LISTEN call error.		
4155 ACCEPT call error.		
4156 Network client authentication over secure		

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
channel error.		
4157 work over insecure channel is not allowed.		
4200 Error opening process (Win32).	Possibly, the user does not have the right to open the process.	Expand the privileges of the user.
4201 Error receiving process data. (Win32).	Possibly, the user does not have right to open the process.	Expand the privileges of the user.
4202 err_allocmem.		
4203 Mail box reading error.		
4204 Event opening error.		
4205 Time data retrieve error.		
4206 Process opening error.		
4250 Connection is not opened.		
4251 All high availability system servers are inactive.		
4300 Child process is completed.		
4301 Connection is active.		
6000 Incorrect ROWID.	During the rollback of an entry refresh in warm reboot mode, inconsistencies are found between the ROWID entries in the database and the journal.	Launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
6001 Incorrect row address.	During rollback of an entry addition in warm reboot mode, inconsistencies are found between the addressed page and the journal entries.	Launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
6003 Unknown command encountered.	During warm reboot, an unknown command is encountered. Rollback impossible.	Launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
6004 Can't execute		Verify the application.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
commit/rollback.		
6010 Inconsistencies between row lengths during an update operation.	During rollback of an update operation in warm reboot mode, inconsistencies are found between the length of the entries in the database and the journal.	Launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
6070 Attempt to operate on a transaction that does not exist in SYSLOG.	Kernel execution stops and kernel is locked.	Contact tech support with detailed explanation of how to reproduce error. Shutdown kernel and restart it.
6100 Internal Linter system error: Unknown type of entry encountered in the journal.		Repeat the query. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team
6111 Incorrect operating mode. (not Optimistic Concurrency Control).	Incorrect mode for COMMIT or ROLLBACK. In this mode, COMMIT and ROLLBACK are impossible.	Set the correct operating mode.
6113 Invalid transaction mode.	Invalid transaction mode for blob commands	Verify the application.
6200 Internal Linter system error: Kernel session catalogue full.		Re-launch the kernel. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
6300 Internal Linter system error: Accessing a later deleted table. (warm reboot mode).		
6500 Internal Linter system error: In the journal entry the reference to its address (N block) is incorrect.		Re-launch the kernel. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
6501 Journal internal error		Restart Linter, if problem resists,

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		restore the database or call Relex support team.
6502 Invalid database journal record.		Restart Linter or restore the database using testdb. If error resists contact Relex support team.
6503 Rollback of uncomplete last record.		
6590 Internal readonly transaction error for version under 6.1.		Cancel transaction. Repeat transaction. If the error persists, re-launch Linter kernel. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
6591 Internal readonly transaction error for version under 6.1.		Cancel transaction. Repeat transaction. If the error persists, re-launch Linter kernel. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
6592 Internal readonly transaction error for version under 6.1.		Cancel transaction. Repeat transaction. If the error persists, re-launch Linter kernel. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
6593 Internal readonly transaction error for version under 6.1.		Cancel transaction. Repeat transaction. If the error persists, re-launch Linter kernel. If the error persists, shut the

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		kernel down and launch TESTDB. If TESTDB cannot correct the error, an archived backup copy of the database needs to be restored. If that is not possible, contact Relex support team.
6595 Illegal statement.	An attempt to use statement different than SELECT over read-only cursor.	Check the SQL call and correct the error.
6600 Journal internal error.		Restart Linter or restore the database using testdb. If error resists contact Relex support team.
6700 Internal Linter system error: In the journal entry the reference to its address (N word) is incorrect.		Re-launch the kernel. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible, contact tech support.
6701 Error opening journal file.	The operating system determines the origin of the error.	Check the SysErr return code. Consult the operating system termination codes reference.
6702 Error creating journal file.	The operating system determines the origin of the error.	Check the SysErr return code. Consult the operating system termination codes reference.
6703 Journal exists.	Journal file exists	Delete the journal file or contact database administrator.
6704 Write to journal error.	The operating system determines the origin of the error.	Check the SysErr return code. Consult the operating system termination codes reference. Try shutting the kernel down and creating new journal entries using gendb. Then launch the kernel again.
6705 Internal Linter system error: Incorrect command.		Re-launch the kernel. If the error persists, shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible contact tech support.
6706 Read from journal	The operating system determines the	Check the SysErr return code.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
error.	origin of the error.	Consult the operating system termination codes reference. Try shutting the kernel down and creating new journal entries using gendb. Then launch the kernel again.
6707 Internal Linter system error: Read outside journal limits error.		Check the SysErr return code. Consult the operating system termination codes reference. Try shutting the kernel down and creating new journal entries using gendb. Then, launch the kernel again.
6708 Internal Linter system error: Inconsistencies in the control sum.		Try shutting the kernel down and creating new journal entries using gendb. Then, launch the kernel again.
6709 Internal Linter system error: Incorrect file size.		Try shutting the kernel down, creating new journal entries using gendb, and launching the kernel again.
6710 Internal Linter system error: Inconsistencies in journal parameters.		Try shutting the kernel down, creating new journal entries using gendb, and launching the kernel again.
6711 Journal internal error	Restart Linter or restore the database. If error resists contact Relex support team	
6712 Transaction too long. The journal is full	<p>The system journal size needs to be changed. The formula for calculating the size of the journal needed for a transaction in the EXCLUSIVE mode is :</p> $\text{Size} = ((60 + 30 * \text{keys} + \text{skort} * 2) * \text{rows} * 2) * \text{users} + 10000$ <p>Where:</p> <p>Size = size of journal in bytes;</p> <p>Keys = number of indexed columns in table;</p> <p>Rows = number of rows, that are being changed by the transaction;</p> <p>Skort = size of row in bytes;</p> <p>Users = number of users editing the database simultaneously.</p>	

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
	The resulting value is the size of the journal needed for the UPDATE operation. For DELETE and INSERT the size may be only half of that. For OPTIMISTIC mode the size can be once again halved. There can be any number of files. However, to avoid constant opening and closing, the files should not be too small.	
6713 Forced commit.		Contact administrator.
6714 Journal full.		See code 6712.
6715 journal file doesn't exist.		Verify the database file settings or contact database administrator.
6716 Journal internal error		Restart Linter or restore database. If error persists contact Relex support team.
6717 Internal error.	Illegal journal address	Contact Relex support team.
6718 Internal error.		Contact Relex support team.
6719 Internal error.		Contact Relex support team.
6720 Journal file contains invalid timestamp.		Restart Linter with /tcorrect option or contact Relex support team.
6721 Journal restore procedure failed.		Restore the database using testdb or contact Relex support team.
6799 Journal internal error.		Contact Relex support team.
6800 Too many concurrent requests of text search (version 6.2 and better).		Contact Relex support team.
6801 Missing functions of initialization of external handler for text search.		Contact Relex support team.
6802 Missing full set of functions of external handler for text search.		Contact Relex support team.
6803 Internal error.		Repeat query. If the error persists, re-launch the kernel. If the error persists, Contact Relex support team.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
6804 Internal error.		Repeat query. If the error persists, re-launch the kernel. If the error persists, Contact Relex support team.
6805 Internal error.		Repeat query. If the error persists, re-launch the kernel. If the error persists, Contact Relex support team.
6807 Internal error.		Repeat query. If the error persists, re-launch the kernel. If the error persists, Contact Relex support team.
6808 Internal error. Get_State return error.		Repeat query. If the error persists, re-launch the kernel. If the error persists, Contact Relex support team.
6809 Internal error.		Repeat query. If the error persists, re-launch the kernel. If the error persists, Contact Relex support team.
6810 Internal error.		Repeat query. If the error persists, re-launch the kernel. If the error persists, Contact Relex support team.
6811 Internal error.		Repeat query. If the error persists, re-launch the kernel. If the error persists, Contact Relex support team.
6812 Internal error.		Repeat query. If the error persists, re-launch the kernel. If the error persists, Contact Relex support team.
6813 Text index update error.	Text index may be corrupted or there is not enough space on hard drive or impossible to create temporary files.	Delete and create text index anew or free space on disk. If the error persists, re-launch the kernel and repeat create text index. . If the error persists, Contact Relex support team.
6814 Text index data retrieve error.	Text index may be corrupted.	Delete and create text index anew or free space on disk. If the error persists, re-launch the kernel and repeat create text index. . If the error persists, Contact Relex support team.
6815 Text index data	Text index may be corrupted.	Delete and create text index

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
retrieve error.		anew or free space on disk. If the error persists, re-launch the kernel and repeat create text index. . If the error persists, Contact Relex support team.
6816 Text index update error.	Text index may be corrupted or no enough space on disk or impossible to create temporary files.	Delete and create text index anew or free space on disk. If the error persists, re-launch the kernel and repeat create text index. . If the error persists, Contact Relex support team.
6818 Text index update error.	Text index may be corrupted or no enough space on disk or impossible to create temporary files.	Delete and create text index anew or free space on disk. If the error persists, re-launch the kernel and repeat create text index. . If the error persists, Contact Relex support team.
6820 Filter handler missing functions (Info, Open, Close, GetData, ScanData, Quant).		Re-launch the kernel and repeat query. If the error persists, Contact Relex support team.
6821 Filter initialization error.		Re-launch the kernel and repeat query. If the error persists, Contact Relex support team.
6822 Internal error.		Re-launch the kernel and repeat query. If the error persists, Contact Relex support team.
6823 Illegal data size. Internal error.		Re-launch the kernel and repeat query. If the error persists, Contact Relex support team.
6824 Internal error.		Re-launch the kernel and repeat query. If the error persists, Contact Relex support team.
6825 Missing filter, Internal error.		Contact Relex support team.
6826 Unknown return error from ScanData function.	Text Index may be corrupted.	Delete and create text index anew. If the error persists, Contact Relex support team.
6827 Unknown return error from GetData function.	Text Index may be corrupted.	Delete and create text index anew. If the error persists, Contact Relex support team.
6828 Unknown return error from Open function.	Text Index may be corrupted.	Delete and create text index anew. If the error persists, Contact Relex support team.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
6829 Unknown return error from Close function.	Text Index may be corrupted.	Delete and create text index anew. If the error persists, Contact Relex support team.
6830 Too many use filters at the same time.		Re-launch the kernel and repeat query. If the error persists, Contact Relex support team.
6900 BACKUP Internal error.	It is possible different version of Linter and LHB is used.	Repeat command. If the error persists, Contact Relex support team.
6901 Missing cursor for Backup command.		Repeat command. If the error persists, Contact Relex support team.
6902 Missing cursor for Backup command.		Repeat command. If the error persists, Contact Relex support team.
6903 Invalid object for backup.	An attempt to backup object which already deleted	Check the command call and correct the error.
6904 Table doesn't exist.	An attempt to backup table properties of table which already deleted.	Check the command call and correct the error.
6906 Internal error, no memory for backup procedure.		Re-lunch lhb. . If the error persists, Contact Relex support team.
6907 Backup procedure doesn't exist	An attempt to continue backup over the cursor where procedure backup doesn't exist.	Re-lunch lhb. . If the error persists, Contact Relex support team.
6908 Missing journal file (SYSLOG).	The journal file probably was deleted or control point has been canceled and Journal has been reused.	Restart incremental archiving, using –startinc option.
6909 Table cannot be backed up as standalone table.	Internal restriction for operation	Check the command call and correct the error.
6910 Table doesn't exist.	At attempt to restore trigger over the table, which doesn't exist.	Check the command call and correct the error.
6911 Stored procedure already exists.	An attempt to restore stored procedure which already exists.	Check the command call and correct the error.
6912 Trigger already exists.	An attempt to restore trigger which already exists.	Check the command call and correct the error.
6913 Stored procedure or trigger restore failed.	An unsuccessful attempt to restore stored procedure or trigger.	Repeat command. If the error persists, restore the database using testdb or free space on hard drive. If the error persists, contact Relex support team.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
6914 Table access denied.	An attempt to restore table that is owned by a different user.	Check the command call and correct the error.
6915 Procedure access denied.	An attempt to restore procedure that is owned by a different user.	Check the command call and correct the error.
6916 Table SYSTEM.SERVER S backup failed.		Re-launch the kernel. If the error persists, Contact Relex support team.
6917 Replication rule table backup error.		Re-launch the kernel. If the error persists, Contact Relex support team.
6918 Restore SYSTEM.SERVER S table error.	It is possible there is no enough space on the hard drive or database is corrupted.	Make certain that sufficient space for restoration is available on the output device or restore the database using testdb. If the error persists contact Relex support team.
6919 Replication rule table restore error.	It is possible there is no enough space on the hard drive or data base is corrupted.	Make certain that sufficient space for restoration is available on the output device or restore the database using testdb. If the error persists contact Relex support team
6920 Server doesn't exist.	An attempt to restore replication rule for server which doesn't exist.	Create the appropriate server and restore replication rules of it.
6931 Table for in-kernel backup missing.	An attempt to launch in-kernel backup process when \$\$\$INKERBACK table is missing.	Create the \$\$\$INKERBACK table using DICT. Re-launch the kernel
6932 Backup file access error.	It is possible there are wrong security properties or file is already opened.	
6933 Backup file is missing.	It is not enough handlers.	
6934 Backup file access error.	Internal error. It is not enough handlers.	Re-launch the kernel and repeat command. If the error persists, Contact Relex support team
6935 Illegal backup command	An attempt to create already existing file without REWRITE option.	Re-launch the kernel and repeat command. If the error persists, Contact Relex support team
6936 In-kernel backup open file unknown error.		Re-launch the kernel and repeat command. If the error persists, contact Relex support team
6937 Archive file can not be deleted.	System error or illegal user.	Check the command call and correct the error. If the error

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		persists, contact Relex support team
6939 Archiving process stopped.	Asynchronous backup process is stopped by user over the other cursor.	
6940 Backup process doesn't exist.	An attempt to stop backup process which doesn't exist.	Check the command call and correct the error. If the error persists, contact Relex support team.
6941 Illegal user privileges.	User must have DBA privileges to use in-kernel backup statement	
6942 In-kernel backup termination code read error.		
6943 Backup process already stopped.	An attempt to stop backup procedure which is already stopped.	Check the command call and correct the error. If the error persists, contact Relex support team.
6944 Backup file read error	The backup file possibly corrupted.	
6945 Invalid end of backup file.	The backup file possibly corrupted.	
6946 Invalid backup file name.		Check the backup file name and correct the error. If the error persists, contact Relex support team.
6947 Invalid device name.		Verify backup device name.
7000 Server table missing.	The SERVERS table is missing.	Before continuing work, the kernel should be relaunched and the table created.
7001 Server description not found.	Server name not found in the SERVERS table.	Check the server name in the query.
7002 Remote server unreachable.	The operating system is responsible for this error.	Check the SysErr return code. Consult the operating system termination codes reference.
7003 Hardware table missing.	\$\$\$DEVICE table missing.	Before continuing work, the kernel should be relaunched and the table created.
7004 Station table missing.	\$\$\$STATION table missing	Before continuing work, the kernel should be relaunched and the table created.
7005 Relation table missing.	\$\$\$RELATION table missing.	Before continuing work, the kernel should be relaunched and

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		the table created.
7030 LOLTP message send error.	The operating system is responsible for this error.	Check the SysErr return code. Consult the operating system termination codes reference.
7031 LOLTP message receive error.	The operating system is responsible for this error.	Check the SysErr return code. Consult the operating system termination codes reference.
7032 LOLTP message create error.	The operating system is responsible for this error.	Check the SysErr return code. Consult the operating system termination codes reference.
7033 User identifier not found.	User registered on a local node could not be found on the remote node.	Add the user to the remote node.
7100 Procedure table missing.	\$\$\$PROC table missing.	Before continuing work, the kernel should be relaunched and the table created.
7101 Security group table missing.	\$\$\$GROUP table missing.	Before continuing work, the kernel should be relaunched and the table created.
7102 Security level table missing.	\$\$\$LEVEL table is missing.	Before continuing work, the kernel should be relaunched and the table created.
7103 Security group already defined.	An attempt to create an already existing security group.	Correct the error in the plug-in.
7104 Security level already defined.	An attempt to create an already existing security level.	Correct the error in the plug-in.
7105 Security group table full.	The maximum number of security groups is 250.	Correct the error in the plug-in.
7106 Backup system table missing.	\$\$\$INKERNBACK system table missing.	Create \$\$\$INKERNBACK system table using DICT. Re-launch the kernel and repeat command.
7107 Trigger system table missing.	\$\$\$TRIG system table is missing	Create \$\$\$TRIG system table using DICT. Relaunch the kernel and repeat command.
7108 Sequence table missing.	\$\$\$SEQUENCE system table is missing	Create \$\$\$SEQUENCE system table using DICT. Re-launch the kernel and repeat command.
7109 Charset table missing.	\$\$\$CHARSET system table is missing.	Create \$\$\$CHARSET system table using DICT. Re-launch the kernel and repeat command
7110 Translate table missing.	\$\$\$TRANSL system table is missing	Create \$\$\$ TRANSL system table using DICT. Re-launch the

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		kernel and repeat command
7200 Stored procedure execution error.	Syntax error in stored procedure.	Correct the error in the body of the procedure.
7201 Procedure terminated with an exception error.	The procedure terminated with an exception error which cannot be rectified by the user.	Correct the error in the body of the procedure.
7202 Invalid procedure.	An attempt to execute non-compiled procedure	Compile procedure using, for example, SPMAN or correct the error in the body of the procedure and recompile it anew.
7203 Not enough memory for procedure execution.	Not enough free RAM for procedure execution.	Free up more memory. Re-launch the kernel and repeat procedure. If the error persists, contact Relex support team
7204 Internal error.		Recompile procedure for debugging or contact Relex support team.
7205 Error in procedure code.	Procedure text corrupted.	Repeat the procedure.
7206 Invalid usage NEW and OLD variables in trigger.		Check the statement and correct the error. If the error persists, contact Relex support team
7207 Procedure already deleted or completed.		Check the statement and correct the error. If the error persists, contact Relex support team
7208 Too long procedure.	Procedure size greater than 64K	Split the procedure on several procedures.
7209 Conflict versions of kernel.	Procedure was compiled non-current version of the kernel.	Recompile procedure for current version of the kernel.
7211 Translator busy.		Repeat command for translation later.
7212 Procedure is active	An attempt to delete active procedure.	
7272 Procedure is not translated.		
7400 Filter table missing.	\$\$\$FILTER system table is missing	Create \$\$\$FILTER system table using DICT. Relaunch the kernel and repeat command.
7401 Extension table missing.	\$\$\$EXTENSION system table is missing	Create \$\$\$EXTENSION system table using DICT. Re-launch the kernel and repeat command.
7402 Wrong internal filter		Check the statement and correct

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
parameters.		the error. If the error persists, contact Relex support team.
7403 External file name already exists as internal filter name.		Check the statement and correct the error. If the error persists, contact Relex support team.
7404 Filter number already exists.		Check the statement and correct the error. If the error persists, contact Relex support team.
7405 Internal error.		Contact Relex support team.
8001 Audit already started.	An attempt to use AUDIT START twice.	Correct the error in the plug-in.
8002 Audit table missing.	\$\$\$AUDIT table is missing.	Before continuing work the kernel should be relaunched and the table created.
8003 Audit already halted.	An attempt to use AUDIT STOP twice.	Correct the error in the plug-in.
8004 Audit not active.	An attempt to access audit operations when audit is inactive.	Use AUDIT START.
8005 Audit description not found.	Possibly, the \$\$\$AUDIT table is corrupted.	Re-create \$\$\$AUDIT table.
8100 Conflict between data and converter. (Version 6.1 and better).		Shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible contact tech support.
8101 Unknown transaction isolation level.		
8102 Invalid operation. (Version 6.1 and better.).	Row was already updated over the other cursor.	
8103 Record was modified or deleted.		
8104 Row already deleted.	An attempt to update row which already is deleted by other transaction. (version 6.1 and better)	
8105 Internal error (version 6.1 and better)		Re-launch Linter and repeat procedure. If the error persist contact tech support.
8106 Internal error (version 6.1 and better).		Re-launch Linter and repeat procedure. If the error persist

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
		contact tech support.
8107 Too many cursors in Snapshot mode (version 6.1 and better).		Decrease number of active cursors.
8108 Error_assertion failed.		
8109 Internal error (version 6.1 and better).		Contact tech support team.
8110 Updated row chain corrupted (version 6.1 and better).		Shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible contact tech support.
8111 Internal error (version 6.1 and better).		Contact tech support team.
8112 Illegal transaction mode (version 6.1 and better).	Transaction journal is missing or Illegal transaction mode	Contact tech support team.
8113 Table for PP is busy (version 6.1 and better).		
8114 Table is already scheduled for purging.		
8115 Initialization of the purging process failed.		
8116 Deleted row discovered as undeleted by rollback (version 6.1 and better).		Shut the kernel down and launch TESTDB. If TESTDB cannot correct the errors, an archived backup copy of the database needs to be restored. If that is not possible contact tech support.
8888 Too long cursor name.	Length of cursor name for version 5.9 and better is 66 characters, for version under 5.9 18 characters.	Correct cursor name.
10000 Not enough memory.	The procedure translator requires more memory.	Decrease the number of translated objects (names, cursors, constants, etc.) inside the procedure body.
10001 Syntax error.		Correct the text of the stored procedure.

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
10002	Type incompatibility error.	
10003	[needed.	
10004] needed.	
10005	} needed.	
10006	Divide by zero.	
10007	\$ needed.	
10008) needed.	
10009	Operand missing.	
10010	Illegal operation using a NULL value.	
10011	(needed.	
10012	Incorrect function parameter.	
10013	Incorrect index expression.	
10014	Incorrect numeric value.	
10015	Incorrect identifier.	
10016	String not finished.	
10017	Incorrect hexadecimal code of symbol.	
10018	Incorrect date.	
10019	Error in expression.	
10020	Logical expression needed.	
10021	Symbol expression needed.	
10022	Warning: divide by zero attempt.	
10023	%d incomplete IF blocks.	
10024	Operator too long.	
10025	; needed	
10026	GOTO: %s mark not found.	
10027	IF missing.	
10028	WHILE missing.	
10029	Illegal use of DECLARE.	
10030	Illegal use of CODE.	
10031	Illegal use of EXCEPTIONS.	
10032	Illegal use of END.	
10033	Description is outside the DECLARE block.	
10034	Operator cannot be used in this context.	
10035	GOTO marker name missing.	

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
10036	LOOP missing.	
10037	THEN missing.	
10038	Marker with this name already exists.	
10039	Undefined marker '%s'.	
10040	Expression missing.	
10041	Duplicate ELSE.	
10042	Illegal ELSEIF after ELSE.	
10043	Illegal variable name.	
10044	Incorrect type specifier.	
10045	Number of DEFAULT expressions exceeds the number of variables.	
10046	Numeric expression needed.	
10047	Illegal use of cursor.	
10048	Cannot assign the default value to the cursor.	
10049	Incorrect field name.	
10050	Illegal exception name.	
10051	Exception already defined.	
10052	FOR missing.	
10053	Incorrect exception type.	
10054	Exception handling outside the Exceptions block.	
10055	Exception not defined.	
10056	Exception handling already defined.	
10057	No exceptions for OTHERS.	
10058	Illegal use of RESIGNAL outside the EXCEPTIONS block.	
10059	: needed.	
10060	No handler for exception %s defined	
10061	Procedure header missing.	
10062	Incorrect procedure name.	
10063	Illegal parameter modifier.	
10064	Illegal object for TYPE OF.	
10065	Incorrect object for INTO.	
10066	Cursor variable needed.	
10067	Incorrect orientation specification for FETCH.	
10068	Symbol constant needed.	

<u>Code and Cause</u>	<u>Message description</u>	<u>Recommendations</u>
10069	Illegal use of INTO.	
10070	Incorrect type of query for a cursor.	
10071	CASE missing.	
10072	Incorrect constant for WHEN.	
10073	Incompatible type in WHEN.	
10074	Illegal use of WHEN after WHEN OTHERS.	
10075	Duplicate constant in WHEN.	
10076	CASE does not contain cases.	
10077	Incompatible type in RETURN operator.	
10078	Too many errors.	
10079	%d blocks of WHILE incomplete.	
10080	%d blocks of CASE incomplete.	
10081	Variable too large.	
10082	Illegal ATTRIBUTE type in trigger.	

Linter ODBC driver result codes

<u>Code Number</u>	<u>Description</u>
25001	Handle memory allocation error.
25002	Parameter length pointer is NULL.
25003	Length pointer is NULL.
25004	Invalid default SQL type.
25005	Error c type for null terminated string.
25006	Invalid default parameter.
25007	Invalid data detected while query execution.
25008	Invalid data length.
25009	Invalid parameter number.
25010	Blob parameter error.
25011	Feature doesn't supported.
25012	Feature doesn't supported.
25013	NULL pointer.
25014	AUTOCOMMIT failed.
25015	Data is out of range.
25016	Invalid length.
25017	Column error.
25018	Conversion SQL data type to C data type failed.
25019	Database connect is not opened.
25020	Data truncated.
25021	Row blob update operation failed.
25022	Invalid data type.
25023	Invalid pointer.
25024	Can't find ODBC tables: run INL -u SYSTEM/MANAGER -f catalog.sql.
25025	Data truncated.
25026	Option value changed.
25027	Function sequence error.
25028	Error blob select.
25029	Invalid lock row option.
25030	Row data out of range.
25031	Not updatable recordset.
25032	Not supported data type

<u>Code Number</u>	<u>Description</u>
25033	Invalid use of description autoallocation.
25034	Modify error.
25035	Statement is not prepared.
25036	Invalid descriptor index.
25037	Invalid descriptor identifier field.
25038	Version incompatibility
25039	Invalid identifier attribute.
25040	Option not implemented.